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.

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 231.

<table>
<thead>
<tr>
<th>Advising Services for Each Faculty</th>
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</thead>
<tbody>
<tr>
<td><strong>Faculty of Business</strong></td>
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<tr>
<td><strong>Faculty of Education</strong></td>
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<tr>
<td><strong>Faculty of Engineering</strong></td>
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<tr>
<td></td>
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<tr>
<td><strong>Faculty of Fine Arts</strong></td>
</tr>
<tr>
<td><strong>Faculty of Graduate Studies</strong></td>
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<tr>
<td><strong>Faculty of Human and Social Development</strong></td>
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<tr>
<td><strong>Faculty of Humanities</strong></td>
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<tr>
<td><strong>Faculty of Law</strong></td>
</tr>
<tr>
<td><strong>Faculty of Science</strong></td>
</tr>
<tr>
<td><strong>Faculty of Social Sciences</strong></td>
</tr>
</tbody>
</table>
WHERE CAN I GET ADVICE ABOUT MY STUDIES?
If you are still trying to settle on your academic goal or decide what you want to do after university, the UVic Career Resource Centre can help. Visit their website at <www.coun.uvic.ca/career/> to get an idea of the services available, or drop by their office in the Campus Services Building.

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

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

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

HOW MUCH WILL IT COST?
The answer depends on your faculty or program, how many courses you take, your transportation costs, and your living arrangements. Here are the typical costs for the 2007-2008 academic year for a student taking 15 units of courses.

- Tuition fees ........................................ $491
- Student society fees ............................... $132
- Athletics and recreation fee ....................... $140
- UVSS health plan .................................. $135
- UVSS dental plan ................................... $120
- UPass bus pass ..................................... $138
- Books and supplies, up to ......................... $1000
- Board and room for 8 months
  - on-campus, single (average) ............... $6604
  - on-campus, double (average) .............. $5800
  - off-campus ....................................... $5830-6830

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

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

Here are some of the options worth exploring.

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

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

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

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

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

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

UVic's Co-op Education Program is 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 2008 New Student Orientation, please visit our website: <www.uvic.ca/orientation>.

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

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

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

Good luck with your studies.
And again, welcome to UVic!
### 2008-2009 Academic Year Important Dates

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

#### Winter Session—First Term

<table>
<thead>
<tr>
<th>September 2008</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Monday</td>
<td>Labour Day*</td>
</tr>
<tr>
<td>2 Tuesday</td>
<td>First-year and opening assembly for Faculty of Law</td>
</tr>
<tr>
<td>3 Wednesday</td>
<td>First-term classes begin for all faculties</td>
</tr>
<tr>
<td>11 Thursday</td>
<td>Last day for course changes in Faculty of Law</td>
</tr>
<tr>
<td>16 Tuesday</td>
<td>Last day for 100% reduction of tuition fees for first-term and full-year courses</td>
</tr>
<tr>
<td>19 Friday</td>
<td>Last day for adding courses that begin in first term</td>
</tr>
<tr>
<td>30 Tuesday</td>
<td>Last day for paying first-term fees without penalty</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>October 2008</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Friday</td>
<td>Senate meets</td>
</tr>
<tr>
<td>7 Tuesday</td>
<td>Last day for 50% reduction of tuition fees. 100% of tuition fees will be assessed for courses dropped after this date.</td>
</tr>
<tr>
<td>13 Monday</td>
<td>Thanksgiving Day*</td>
</tr>
<tr>
<td>22 Wednesday</td>
<td>Senate Committee on Academic Standards and Deans meet to approve convocation list</td>
</tr>
<tr>
<td>31 Friday</td>
<td>Last day for withdrawing from first-term courses without penalty of failure</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>November 2008</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>7 Friday</td>
<td>Senate meets</td>
</tr>
<tr>
<td>10-12 Mon-Wed</td>
<td>Reading Break (except Law)*</td>
</tr>
<tr>
<td>10, 12 Mon-Wed</td>
<td>Fall Convocation</td>
</tr>
<tr>
<td>11 Tuesday</td>
<td>Remembrance Day*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>December 2008</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Monday</td>
<td>Deadline to apply for Spring convocation</td>
</tr>
<tr>
<td>2 Tuesday</td>
<td>Last day of classes in Faculty of Law</td>
</tr>
<tr>
<td>3 Wednesday</td>
<td>Last day of classes in first term, except Faculty of Law and Faculty of Human and Social Development**. National Day of Remembrance and Action on Violence Against Women. Classes and exams cancelled 11:30-12:30</td>
</tr>
<tr>
<td>5 Friday</td>
<td>Senate meets</td>
</tr>
<tr>
<td>6 Saturday</td>
<td>First-term examinations begin, except Faculty of Human and Social Development**</td>
</tr>
<tr>
<td>20 Saturday</td>
<td>First-term examinations end for all faculties</td>
</tr>
<tr>
<td>25 Thursday</td>
<td>Christmas Day*</td>
</tr>
<tr>
<td>26 Friday</td>
<td>Boxing Day*</td>
</tr>
<tr>
<td>25 Dec-1 Jan</td>
<td>University closed</td>
</tr>
</tbody>
</table>

#### Winter Session—Second Term

<table>
<thead>
<tr>
<th>January 2009</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Thursday</td>
<td>New Year’s Day*</td>
</tr>
<tr>
<td>5 Monday</td>
<td>Second-term classes begin in all faculties</td>
</tr>
<tr>
<td>9 Friday</td>
<td>Senate meets</td>
</tr>
<tr>
<td>15 Thursday</td>
<td>Last day for course changes in Faculty of Law</td>
</tr>
<tr>
<td>18 Sunday</td>
<td>Last day for 100% reduction of second-term fees</td>
</tr>
<tr>
<td>21 Wednesday</td>
<td>Last day for adding courses that begin in second term</td>
</tr>
<tr>
<td>31 Saturday</td>
<td>Last day for paying second-term fees without penalty</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>February 2009</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Friday</td>
<td>Senate meets</td>
</tr>
<tr>
<td>8 Sunday</td>
<td>Last day for 50% reduction of tuition fees. 100% of tuition fees will be assessed for courses dropped after this date.</td>
</tr>
<tr>
<td>16-20 Mon-Fri</td>
<td>Reading Break for all faculties.</td>
</tr>
<tr>
<td>28 Saturday</td>
<td>Last day for withdrawing from full-year and second-term courses without penalty of failure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>March 2009</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>6 Friday</td>
<td>Senate meets</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>April 2009</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Friday</td>
<td>Last day of classes for all faculties except Faculty of Law and Faculty of Human and Social Development**</td>
</tr>
<tr>
<td>6 Monday</td>
<td>Examinations begin for all faculties except Faculty of Law and Faculty of Human and Social Development**</td>
</tr>
</tbody>
</table>

### May-August 2009

#### Summer Studies Calendar for complete dates

<table>
<thead>
<tr>
<th>May 2009</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Friday</td>
<td>Senate meets</td>
</tr>
<tr>
<td>4 Monday</td>
<td>May-August courses begin, except Faculty of Law***</td>
</tr>
<tr>
<td>6 Wednesday</td>
<td>May-August courses begin in Faculty of Law***</td>
</tr>
<tr>
<td>11 Monday</td>
<td>May and May-June courses begin</td>
</tr>
<tr>
<td>13 Wednesday</td>
<td>Last day for course changes (Faculty of Law only)***</td>
</tr>
<tr>
<td>18 Monday</td>
<td>Victoria Day*</td>
</tr>
<tr>
<td>20 Wednesday</td>
<td>Senate Committee on Academic Standards and Deans meet to approve convocation list</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>June 2009</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Wednesday</td>
<td>May courses end</td>
</tr>
<tr>
<td>4 Thursday</td>
<td>June courses begin</td>
</tr>
<tr>
<td>15-18 Mon-Thur</td>
<td>Spring Convocation</td>
</tr>
<tr>
<td>26 Friday</td>
<td>May-June and June courses end</td>
</tr>
<tr>
<td>29-30 Mon-Tues</td>
<td>Reading Break, “K” sections only</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>July 2009</th>
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</thead>
<tbody>
<tr>
<td>1 Wednesday</td>
<td>Canada Day*</td>
</tr>
<tr>
<td>6 Monday</td>
<td>July and July-August courses begin</td>
</tr>
<tr>
<td>28 Tuesday</td>
<td>July courses end</td>
</tr>
<tr>
<td>29 Wednesday</td>
<td>August courses begin</td>
</tr>
<tr>
<td>29-31 Wed-Fri</td>
<td>Supplemental and deferred examinations for Winter Session 2008-2009 (except in BEng programs)</td>
</tr>
<tr>
<td>31 Friday</td>
<td>May-August classes end</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>August 2009</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Monday</td>
<td>British Columbia Day*</td>
</tr>
<tr>
<td>4 Tuesday</td>
<td>May-August examinations begin, except Faculty of Law***</td>
</tr>
<tr>
<td>5 Wednesday</td>
<td>Last day of classes for Faculty of Law***</td>
</tr>
<tr>
<td>7 Friday</td>
<td>Examinations begin, Faculty of Law only***</td>
</tr>
<tr>
<td>14 Friday</td>
<td>May-August examinations end, including Faculty of Law</td>
</tr>
<tr>
<td>21 Friday</td>
<td>July-Aug, and Aug. courses end</td>
</tr>
</tbody>
</table>

* 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.

*** See Faculty of Law for more details regarding Summer 2009 important dates.

#### 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, or one term in winter session.

General
A program which requires 9 units at the 100 level, or 15 or more units in a discipline and requires 12 or more units in that discipline at the 300 or 400 level.

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 of ideas and material of other persons 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 continued enrolment is in question.

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 that are approved for transfer to the University of Victoria.

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>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EARLY ADMISSION – BC APPLICANTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current graduating BC secondary school applicants only, all faculties</td>
<td>September</td>
<td>February 28</td>
<td>May 15 (For all documents other than final grades.)</td>
</tr>
<tr>
<td><strong>EARLY ADMISSION – OUT OF PROVINCE</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<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>May 15 (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>
</tr>
<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>
</tr>
<tr>
<td>Domestic and International students</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International students only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EDUCATION</strong> (Official in-progress transcripts are required at time of application)</td>
<td>September</td>
<td>April 30</td>
<td>May 31</td>
</tr>
<tr>
<td>Secondary Teacher Education Programs Post Degree Program (PDPP)</td>
<td>July</td>
<td>December 31</td>
<td>January 1</td>
</tr>
<tr>
<td>Secondary Teacher Education Programs PDPP Internship Option (if available)</td>
<td>May</td>
<td>December 31</td>
<td>January 1</td>
</tr>
<tr>
<td>Secondary Teacher Education Programs Five-Year BEd (Art, Music, PE)</td>
<td>September</td>
<td>Jan 31 (with transcripts)</td>
<td>May 31</td>
</tr>
<tr>
<td>School of Exercise Science, Physical and Health Education (BA, BSc, BEd)</td>
<td>September</td>
<td>Jan 31 (with transcripts)</td>
<td>May 31</td>
</tr>
<tr>
<td><strong>ENGINEERING</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BEng and BSENG</td>
<td>September</td>
<td>April 30</td>
<td>May 31</td>
</tr>
<tr>
<td>BSc (Computer Science)</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
</tr>
<tr>
<td>Engineering Bridge (Applicants contact Camosun College)</td>
<td>January</td>
<td>February 15</td>
<td>March 15</td>
</tr>
<tr>
<td><strong>FINE ARTS</strong> (Official in-progress transcripts are required at time of application)</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
</tr>
<tr>
<td>History in Art</td>
<td>September</td>
<td>October 31</td>
<td>November 30</td>
</tr>
<tr>
<td>Music*, Writing</td>
<td>September</td>
<td>March 31</td>
<td>May 31</td>
</tr>
<tr>
<td>Theatre*, Visual Arts*</td>
<td>September</td>
<td>February 28</td>
<td>May 31</td>
</tr>
<tr>
<td><strong>HUMAN &amp; SOCIAL DEVELOPMENT</strong> (Official in-progress transcripts are required at time of application)</td>
<td>September</td>
<td>February 28</td>
<td>April 1</td>
</tr>
<tr>
<td>Child and Youth Care*</td>
<td>September</td>
<td>February 28</td>
<td>May 1</td>
</tr>
<tr>
<td>Pre-Child and Youth Care (distance only)*</td>
<td>September</td>
<td>June 15</td>
<td>August 15</td>
</tr>
<tr>
<td>Health Information Science*</td>
<td>September</td>
<td>March 31</td>
<td>January 1</td>
</tr>
<tr>
<td>Nursing*</td>
<td>September</td>
<td>March 31</td>
<td>May 15</td>
</tr>
<tr>
<td>Social Work*</td>
<td>September</td>
<td>December 1</td>
<td>January 15</td>
</tr>
<tr>
<td>Pre-Social Work (on and off campus)</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
</tr>
<tr>
<td>Public Sector Management, Local Government Management Diploma, Professional Specialization Certificates*</td>
<td>September</td>
<td>May 15</td>
<td>July 15</td>
</tr>
<tr>
<td><strong>HUMANITIES/SCIENCE/SOCIAL SCIENCES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New and reregistering students</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
</tr>
<tr>
<td>Humanities Diploma</td>
<td>January</td>
<td>September 30</td>
<td>September 30</td>
</tr>
<tr>
<td><strong>LAW</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Year</td>
<td>September</td>
<td>February 1</td>
<td></td>
</tr>
<tr>
<td>Upper Levels</td>
<td>Sept./Jan.</td>
<td>June 30</td>
<td></td>
</tr>
<tr>
<td>Summer Session</td>
<td>May</td>
<td>March 31</td>
<td></td>
</tr>
<tr>
<td><strong>CONTINUING STUDIES DIPLOMAS &amp; CERTIFICATES:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For programs, entry points and deadlines, contact the Division of Continuing Studies.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* These programs require supplemental materials; please contact the faculty/department directly.
Known for excellence in teaching, research, and service to the community, the University of Victoria serves nearly 19,000 students. It is favoured by its location on Canada’s spectacular west coast, in the capital of British Columbia.
Information for All Students

Academic Sessions
The Winter Session is divided into two terms: the first, September to December; the second, January to April. The period May through August is administered under Summer Studies. The Summer Studies Calendar is published separately (see page 6 for information).

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

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

<table>
<thead>
<tr>
<th>Number of Units</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Below 12 units</td>
<td>First Year</td>
</tr>
<tr>
<td>12 to 26.5 units</td>
<td>Second Year</td>
</tr>
<tr>
<td>27 to 41.5 units</td>
<td>Third Year</td>
</tr>
<tr>
<td>42 units or above</td>
<td>Fourth Year (4-year programs)</td>
</tr>
<tr>
<td>42 to 56.5 units</td>
<td>Fourth Year*</td>
</tr>
<tr>
<td>57 units or above</td>
<td>Fifth Year*</td>
</tr>
</tbody>
</table>

* 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 interception 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 advisement 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 in the Calendar.

Protection of Privacy and Access to Information
All applicants are advised that both the 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 Registrar and Enrolment Services website <registrar.uvic.ca>.

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

Excep't in special circumstances, students must be at least 16 years of age to be admitted to first year, and at least 17 to be admitted to second year.

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

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

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

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

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

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

The University of Victoria is committed to providing an environment that affirms and promotes the dignity of human beings of diverse backgrounds and needs. The Policy prohibits discrimination and harassment and affirms that all members of the University community—its students, faculty, staff, and visitors—have the right to 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 (including gender identity), sexual orientation, age, or conviction of a criminal offence when unrelated to employment. It also addresses personal harassment, sometimes called workplace 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 provison in the University Calendar, or a violation of provincial law or a law of Canada. In particular, a student may be reported for unlawfully entering a building or restricted space on University property, providing false information on an application for admission or other University document, or participating in hazing, which is prohibited by University regulation.

Academic Services

ACADEMIC ADVISING

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

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

UNIVERSITY SYSTEMS

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

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

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

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

USYS 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.

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

The UVic Computer Store in the Cleardhue Building, Room C143, sells educational discounted software, hardware and accessories to students, faculty and staff (some restrictions apply - see store staff for details.) The UVic Computer Store provides hardware repair services for computers both in and out of warranty. The UVic Computer Store co-ordinates site-license agreements and volume discounts for specialized academic software. More information on products and services is available at cstore@uvic.ca.

To provide online access, USYS operates the campus backbone network, a number of local area networks connected to it, a growing wireless network and connections to the Internet. Bcnet and Ca’net. High speed access to our services is available via Shaw cable, telus ADSL, and other service providers.

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

Computer Help Desk

Clearhue A004
Phone: 721-7687
Web: <helpdesk.uvic.ca>

Computer Store

Clearhue C143
Phone: 721-8321
Web: <cstore.uvic.ca>

ENGLISH AS A SECOND LANGUAGE COURSE

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

LIBRARIES

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

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

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

Collectively, the libraries house over 1.9 million print volumes, 2.2 million microform items, 198,000 cartographic items, 40,000 serials including 7,400 current print journals and 20,700 current electronic journals, 64,500 sound recordings, 35,000 music scores, 8,200 films and videos
GENERAL INFORMATION

and 2,200 linear metres of manuscripts and archival material.

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

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

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

UNIVERSITY PUBLICATIONS

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

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

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

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

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

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

Malahat Review An international quarterly of contemporary 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 biannually by the Division of External Relations and the UVic Alumni Association, and mailed to alumni free of charge.

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>.

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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 (CWUA), as Independents in the National Association of Intercollegiate Athletics (NAIA) and in various high-level leagues in southwest British Columbia.

Recreation

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

Recreation Facilities

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

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

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

BOOKSTORE

Campus Services Building Hours: Mon-Fri, 8:30-5:30
(Sept-Apr: Wed, 8:30-7:00) Saturday: 11:00-5:00
Phone: 721-8311
Web: <www.uvicbookstore.ca>

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

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

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

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

Finnerty Express

Campus Services Building
Hours: Mon-Fri 7:30am-8:00pm
Sat-Sun: 11:00-5:00
Phone: 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 support students success through career development expertise and by
facilitating connections among students, alumni, employers and other community members.

Services Offered
• individual coaching and group sessions on exploring career options, connecting with career and work opportunities and managing career transitions
• tips on resume, CV and cover letter preparation; interviews and work search
• online postings for part-time, summer, career and on-campus opportunities
• career resource library
• career fairs, career forums and employer information sessions
• assistance to recent graduates through our Applied Career Transitions Program 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: <childcare.uvic.ca>
Three full-time centres for children of students, staff and faculty are located on campus in Complex A. These centres are licensed to take children between the ages of 18 months and 5 years. Complex B houses a licensed out-of-school program for children aged 6 to 12. Complex C opened in September 2001 to care for infants in one centre and toddlers in a second centre. The provincial government pays subsidies, based on income, toward the fees of these non-profit centres, which are staffed by trained personnel. Students who are not eligible for a government subsidy or whose subsidy does not cover child care costs should contact the office of Student Awards and Financial Aid on campus.

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

COUNSELLING SERVICES
Room 135 Campus Services Building
Hours: Mon-Fri 8:30-4:30
Phone: 721-8341
Web: <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 interests, skills and career goals. In addition, we provide assistance in selecting other post-secondary institutions, graduate programs or professional schools. For specific course advising, students are directed to their faculty's advising office.

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

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

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

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

2008-09 UVIC CALENDAR
Counselling for Personal Issues
Professional counsellors provide a confidential atmosphere in which students can explore any topic or situation and discuss any concerns they may have. Some of the personal problems that students bring to Counselling Services are shyness, lack of self-confidence, difficulty communicating with and relating to others, inability to speak up and express themselves, family and relationship conflicts, loneliness, grief, sexual concerns or abuse, depression, anxiety, stress, suicidal thoughts, sexual orientation issues, alcohol and drug concerns, loss of interest, difficulty in making decisions and coping with the university experience. Students are helped to work through their problems, develop self-awareness and overcome problems by using new coping strategies.

Wellness Groups and Workshops
In addition to individual counselling, counsellors offer a number of group programs such as:
• Anger Management
• Anxiety and Panic Attacks
• Assertiveness
• Body Image/Relationship with Food
• Career Exploration/Planning
• Depression Management
• Grief and Loss
• Personal Growth
• Social Anxiety
• Surviving Relationship Breakup
See our website for current group offerings.

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

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

Peer Helping
Room B005 Student Union Building
Hours: Mon Fri 8:30-4:30
Phone: 721-8343
Web: <web.uvic.ca/~peerhelp>
Peer helpers are trained, supervised volunteers who offer confidential support to other students. They participate in a variety of outreach programs. Contact the Peer Helpers either at the Drop-In Centre located in SUB B005, the Learning Help Centre in the C. W. Lui Learning Commons on the main floor of the Mearns Centre for Learning, or through the Peer Helping Coordinator at Counselling Services.
**Family Centre**

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

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

**Food Services**

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

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

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

**British Columbia Residents**

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

**Residents of Other Provinces**

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

**Non-residents of Canada**

Students who are not residents of Canada must arrange for private sickness and hospital insurance coverage within the first 10 days of class. Private medical insurance provides coverage for three months until the student is eligible to participate in the BC Medical Services Plan. Once eligible, students should maintain their 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: 472-4037  

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**

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 designated for persons with disabilities.
- Units are unfurnished. Utilities are paid 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 2007/2008 were:
- Residence Housing
  Single room with
  starter* meal plan ..................................$3302/term
  Double room with
  starter* meal plan .................................$2900/term
- Cluster Housing
  Individual rate
  (no meal plan).................................$1985/term

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

Payment Due Dates
The remaining accommodation payments are due by the following dates:
- August 1: balance of first-term fees
- November 1: $500 second-term deposit
- January 15: balance of second-term fees
A room assignment will be cancelled if the student fails to meet an acceptance or payment deadline.

Payment Procedure for Family Housing
To confirm acceptance of a family housing unit, students must sign a tenancy agreement, pay a damage deposit ($250) and provide a post-dated cheque for the first month's rent.
Rent is due on the last day of each month. Rental rates for the various types of accommodation will be confirmed at the time an offer of accommodation is made.

Moving In
Residence and cluster housing assignments are available from August 31, 2008. Accommodation before August 31 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.

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

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

FMU
More than 100 exchange opportunities in over 30 countries exist at UVic through various faculties and departments, including International and Exchange Student Services (IEWS). The IESS Exchange Program has partner universities offering undergraduate courses of interest primarily to students enrolled in the areas of

General Information

General Information

International and Exchange Student Services

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

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

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2008-09 UVIC CALENDAR

International and Exchange Student Services

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

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

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

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

International and Exchange Student Services

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

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The UVic Students’ Society is an active member (Local 44) in the Canadian Federation of Students (CFS), Canada’s national students organization. The CFS provides students with a united voice at both the provincial and national levels. The CFS advocates for a high-quality and accessible system of public post-secondary education by conducting research, mobilizing members and lobbying provincial and federal governments. As well, the Federation provides a series of services designed to save students money while supporting their everyday needs. These include the International Student Identity Card (ISIC), Studentsaver, the National Student Health Network, Homes4Students.ca, the Student Work Abroad Program (SWAP) and Travel CUTS.

The activities of the UVic Students’ Society are carried out by a Board of Directors. The Board consists of eleven volunteer directors-at-large and four full-time executive directors—the Director of Services, the Director of Academics, the Director of Finance and the Chairperson. Elections for these positions take place in March. As well, the Women’s Centre, the Pride Collective, the Native Students’ Union, the Students of Colour Collective and Access UVic each have a representative on the Board. The Board meets twice each month throughout the year and all students are welcome to attend.

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

The UVic Students’ Society operates the Student Union Building (SUB), run by students for students. The SUB offers a wide range of services and programs, including the following:
- UVSS Resource Centre—Students’ Society Board offices; get information and pick up dayplanners/handbooks and Studentsaver
- Food services: Health Food Bar, International Grill, Bean There coffee shop, Munchie Bar
- Felicita’s Pub
- Cinecenta movie theatre
- Zap Copy Shop
- SUBText used books
- SUB Info Booth: administers the Universal Bus Pass (U-Pass) and the Student Health and Dental Plan
- Back in Line Chiropractic and Massage Clinic
- Campus Medecine Centre Pharmacy that also houses a Canada Post outlet
- On the Fringe Hair Design
- Travel CUTS
- Campus Dental Centre
- Also located in the SUB are the following important services:

- Campus Dental Centre
- SUB Text used books
- Zap Copy Shop
- SUB Text used books
- SUB Info Booth: administers the Universal Bus Pass (U-Pass) and the Student Health and Dental Plan
- Back in Line Chiropractic and Massage Clinic
- Campus Medecine Centre Pharmacy that also houses a Canada Post outlet
- On the Fringe Hair Design
- Travel CUTS
- Campus Dental Centre

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

Native Students’ Union
Student Union Building B023
Phone: (250) 472-4394
E-mail: nsu@uvss.uvic.ca
Web: <www.uvss.uvic.ca/nsu>

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

ACCESS UVic!
Student Union Building B102
Phone: (250) 472-4389
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 all 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 B20
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.
The 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 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, 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
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 Students’ 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 magazine, the bulletin list-serve and special events planning, in addition to other services. These services are funded by membership fees, collected by the university on behalf of the Society. Grad students are eligible to use rooms in the Grad Centre free of charge for academic-related meetings and events. The Society, in collaboration with the Faculty of Graduate Studies, funds travel grants, administered by the Faculty, to assist graduate students wishing to attend professional meetings and conferences. Grad students are encouraged to enjoy the excellent food at IQ Bistro in the Grad Centre. For more information, visit the General Office in the Grad Centre, or call 472-4543.

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

2008-09 UVIC CALENDAR
CANADIAN FORCES UNIVERSITY TRAINING PLANS
Canadian Forces Recruiting Centre
827 Fort Street, Ground Floor
Victoria BC V8W 1H6
Phone: 1-800-856-8488
Web: <www.forces.ca>
The Canadian Forces provide opportunities for young Canadians to obtain a bachelor’s degree while training for the career of a military officer. The Regular Officer Training Plan (ROTP) is based on four components of success: Academic, Leadership and Management Skills, Second Language Training, and Fitness. The plan is fully subsidized for up to five years of university leading to undergraduate degrees in Engineering, Sciences, Arts or Administration. Specialist degrees in Physiotherapy, Pharmacy and Nursing are also subsidized. Medicine and Dentistry are subsidized under separate plans called MOTP and DOTP respectively. Because of its full subsidization, the plan includes an obligation to serve in the Canadian Forces as an officer for a fixed period after graduation.

The Reserve Entry Training Plan (RETP) is similar, but applicants attend Canadian Forces Military Colleges, paying their own tuition. Current tuition fees are approximately $6000 a year, but students are offered summer employment with the military to assist them in meeting tuition fees. RETP graduates have an obligation (moral) to serve on a part-time basis with the Canadian Forces Primary Reserve if there is a unit available in their geographical area.

UVIC ALUMNI ASSOCIATION
Alumni House
Phone: 721-6000 or 1-800-808-6828
Web: <alumni.uvic.ca>
All graduates of UVic automatically become members of the alumni association. The alumni association strives to enhance the quality of life on campus through:
• scholarship and bursary awards
• support for student orientation and recruitment programs
• grants for student and department projects
• support for an active Student Alumni Association (SAA)
• Excellence in Teaching Awards

After graduation, the alumni association encourages a lifelong relationship among alumni and the University. An engaging alumni magazine, The Torch, is published twice a year, and networking opportunities are provided through alumni branches worldwide. The alumni association provides a number of benefits, services and recognition to its members, including:
• the UVic Online Community
• “Plan A!” alumni-supported student programs
• a grad welcome program
• an Alumni Benefits Card
• affinity programs
• career services and programs
• Distinguished Alumni Awards

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

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

Indigenous Student Services

OFFICE OF INDIGENOUS AFFAIRS
Fran Hunt-Jinnouchi, BSW (UVic), M.Ad.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. The Director has an influential role in developing policy related to Indigenous education. (franhj@uvic.ca and 721-6326)

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

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 Lehr, BA (BC Open University), MBA (University of London), Assistant Director
David Wang, MBA (UVic), Coordinator, Special Projects

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.
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Programs Offered

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

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

Degrees Awarded

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

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

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

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

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

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

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

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

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

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

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

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

Professional Specialization Certificates
- Collections Management*
- Cultural Sector Leadership**
- Heritage Conservation Planning*
- 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 223.
- See School of Public Administration, page 130.

Island Medical Program
- See Division of Medical Sciences, page 225.

Undergraduate Admission

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

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

Important Application Information

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

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

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

Normally, grounds for appeal are limited to:

- significant physical affliction or psychological distress documented by a physician or other health care professional
- evidence of serious misconduct 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 admisibility (for example, calculation of Grade Point Average, evaluation of English proficiency) or failure to meet published deadlines will not be considered grounds for appeal.

The Senate Committee on Admission, Reregistration and Transfer will consider all the documentation presented and will make a final decision on the application, subject to review by the Senate Committee on Appeals on the grounds of specific procedural error (see Appeals, page 40). A student who has a marginal record upon admission may be placed on probation by the Senate Committee on Admission, Reregistration and Transfer.

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.
- completion of a recognized degree program from an accredited university in which the primary language of instruction is English, in one of the countries listed in the paragraph above.
- completion of Grade 12 English or its equivalent in Canada with a grade of 86% or higher within the last three years prior to admission.
- a score of 86% or higher on the BC Provincial Grade 12 English Examination within the last three years prior to admission.
- completion of 1.5 or more units of transfer credit for university-level English courses (excluding ENGL 181 and 182)
- Test of English as a Foreign Language (TOEFL)* with a score of 233 or higher on the computerized version, or a score of 575 or higher on the paper test, or a score of 90 or higher on the internet-based test— with no less than 20 out of 30 in any of the reading, listening, writing, or speaking sections.
- Michigan English Language Assessment Battery (MELAB)* with a score of 90 or higher
- International English Language Testing System (Academic IELTS)* with a score of 7 or higher
- Canadian Academic English Language Assessment (CAEL)* with a score of 70, with no subtest result below 60.
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</table>

1. Graduation from a secondary school as prescribed by the British Columbia Ministry of Education (or equivalent).
2. The actual average required for Winter Session 2008-2009 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.
Applying for Admission

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

English Proficiency: Exchange Students
Applicants must take the Test Of English as a Foreign Language (TOEFL) or other approved scores to meet the English language proficiency requirement. Students in exchange programs who later apply for regular admission to the University must meet all admission requirements and demonstrate English language proficiency above.

English Proficiency: Visiting Students
Students whose first language is not English and who have not studied in Canada or another English-speaking country for four recent academic years in an acceptable program from an approved secondary or post-secondary institution must take the Test Of English as a Foreign Language (TOEFL) or other approved test with minimum results as outlined above.

Applying for Admission

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

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

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

Applicants from Secondary School

1. British Columbia/Yukon

The table on page 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.

 roof: 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 secondary schools of any impact on the admissions requirements.

Approved Grade 11 and 12 Courses

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

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

Approved Academic 12 Courses

- Arabic 12
- BC First Nations Studies 12
- Biology 12
- Calculus 12
- Chemistry 12
- Comparative Civilizations 12
- Computer Programming 12
- English 12
- English Literature 12
- Farsi 12
- French 12
- Geography 12
- Geology 12
- Geometry 12
- German 12
- Heiltsuk 12
- History 12
- ICT: Applied Digital Communications 12
- ICT: Computer Programming 12
- Information Technology 12
- Italian 12
- Japanese 12
- Korean 12
- Latvian 12
- Mandarin 12
- Nsilxcen (Okanagan Language) 12
- Physics 12
- Principles of Mathematics 12
- Punjabi 12
- Russian 12
- Secwepemctsin 12
- Shashishalhem 12
- Sim’algaxhi Nisga’a 12
- Sm’algax 12
- Spanish 12
- Upper St’atl’imctcets 12

Approved Science 12 Courses

- Biology 12
- Chemistry 12
- Geography 12
- Geology 12
- Physics 12

Approved Fine Arts 12 Courses

- Art Foundations 12
- Choral Music 12: Concert Choir
- Choral Music 12: Vocal Jazz
- 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
2. Expanded Qualifications
Academic performance is the main criterion for admission and is used exclusively in the majority of cases.
However, the University recognizes that some candidates have other attributes that demonstrate an ability to succeed at university.
To be considered for admission under this policy, applicants must complete the personal information profile for the faculty to which they are applying.
This admission category is currently available in the Faculties of Humanities, Social Sciences, Human and Social Development (Child and Youth Care only), and Engineering.
Faculties 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 Classes (or grade 13 courses) with an overall average of at least 67% calculated on OAC English and five additional OAC courses. Transfer credit will not be awarded for OAC 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. Accelerated Entry for 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 admission to the University. If the student is currently in grade 10, then a list of expected grade 11 and 12 courses is required. Except in special circumstances, students must be at least 16 years of age to be admitted to first year, and at least 17 to be admitted to second year.

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

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

9. BC Adult Graduation Diploma
Applicants with a BC Adult Graduation Diploma (the Adult Dogwood) may apply for admission if they meet the following minimum requirements are met:
1. The applicant is at least 19 years of age.
2. Successful completion of English, Mathematics (academic), a laboratory Science, and Social Studies 11 or equivalent at the advanced or grade 11 level. Courses done through the secondary system must each be worth 4 credits.
3. Successful completion of English plus three approved academic subjects at the grade 12 level. Courses done through the secondary system must each be worth 4 credits, and provincial examinations must be written if mandatory in the subject not taken. All courses presented for admission must be graded. A minimum average of 67% is required for consideration.
All applicants must have the appropriate prerequisites for the program to which they have applied. Admission requirements for the Faculty of Engineering, the Faculty of Science and the Health Information Science program parallel those for BC secondary school graduates.

10. Applicants with Credit for Secondary School Calculus

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

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

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

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

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

11. Applicants with College Board Advanced Placement Credits

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

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

12. Applicants to the Canadian University International Study Abroad Program

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

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

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

13. Home-Schooled Applicants

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

- It is an admission requirement to be a secondary school graduate. Therefore, home-schooled applicants must be able to present proof of completion of a program that has met graduation requirements from a recognized educational jurisdiction and also faculty-specific minimum subject and academic average requirements.
- All applicants are required to take provincial exams, or equivalent, for all courses in which they are mandatory. Therefore, if a home-schooled student is participating in a program with provincial examinations, or equivalent, those courses with mandatory examinations must be taken.
- In cases where applicants do not meet the above-mentioned requirements, they must 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. The Senate Committee on Admission, Reregistration and Transfer considers each applicant's needs and circumstances, and demonstrates the impact of these on their educational achievements.

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

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.

Applicants for admission 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, and Social Sciences. Admission requirements for other faculties are stated in the appropriate faculty section in the Calendar.
Note that applicants who have failed their previous year or who have a weak 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.

**Note: Transfer Applicants to the Faculty of Science**

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

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

**Limitations on Transfer Credit**

Students who plan to begin their studies at another institution and transfer to UVic should ensure that the courses they take are eligible for transfer credit in their planned program at UVic. Transfer credit granted in a degree program is limited and may not normally be applied to the final 30 units of the program. Exceptions to this regulation require the approval of the Dean of the faculty concerned.

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

Applicants to the School of Nursing must contact the Admission/Liaison Officer regarding regulations specific to the School (see Minimum Degree Requirements, page 129.)

**Transfer Credit**

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

**Universities and Colleges**

Applicants require successful completion of at least 12 units of transferable courses with a minimum overall average equivalent to C at UVic; the average is calculated from the grades for the most recent 12 units of university-level courses attempted and includes repeated and failed courses. Applicants with less than 12 transferable units must have a minimum GPA of C on any post-secondary record, and 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 fulfil 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.*

Certificate programs are not considered for admission or transfer credit.

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

**CEGEPs**

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

**Canadian Bible Colleges**

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

**International Baccalaureate Credits**

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

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

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

**Second Bachelor’s Degree**

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

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

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

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

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

**Visiting Students**

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

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

Visiting students whose first language is not English must meet the requirements on page 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 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/subject 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: <register.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) + TER
- Qld: Senior Certificate (SEP) + OP & EP
- 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: Tawjihiya/National Secondary School Education/Leaving Certificate

Bangladesh: Higher Secondary Certificate

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

Bolivia: Bachillerato

Brazil: Certificado de 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 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 GCE 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: Studenterexamen/Højere Forberedelseseksamen

Ecuador: Bachillerato

France: Baccalauréat de l’Enseignement du Second Degré

Germany: Abitur/Reifezeugnis/Zeugnis der Allgemeinen Hochschulreife


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: Erettség Matura

India: All India Senior School Certificate awarded by CBSE/Indian School certificate (awarded by CISCE)/Higher Secondary School Certificate (awarded by State boards)

Indonesia (since 1994): Surat Tanda Tamat Bejarian 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 24 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 but must be eligible under another category. 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 Metevasethi/National High School Diploma and pre-university certificate

Iraq: Sixth Form Baccalauréat (Adadiyah)

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

Italy: Diploma di Eseame di Stato

Japan: Kotosogakko Sotsugyou Shomeisho (academic curriculum) OR Second Year at a recognized junior college (academic curriculum) with 70% (B) overall

Jordan: Tawjibi (General Secondary Education Certificate)

Kazakhstan: Svietdet’s’tvojo Srednom Obrazovanii and Unified National Test

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

Korea, South (R.O.K.): Immungye 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 Persekolahlan 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, New Zealand Certificate of Educational Achievement (level 3)

Nigeria: Senior School Certificate/West African Senior School Certificate. Results from the UME (National Entrance Examination) will be considered

Norway: Vitnemal fra den Videregående Skolen/Examens Artium

Oman: Thanawiya Amma (National Secondary School Education/Leaving Certificate)

Panama: Bachillerato

Philippines: Second-year standing in appropriate academic subjects at a recognized university

Russian-Patterned Education: Minimum requirement for admission consideration is the Svidetel’stvo/Attestat o Srednom Obrazovanii/Attestat o Srednom (polnom) Obshchem Obrazovanii after 1991, with very good results overall and in appropriate subjects.

Saudi Arabia: Tawjihiyah (General Secondary Education Certificate)

Scotland: Scottish Certificate of Education at the Higher Level (4 subjects); see also United Kingdom and Commonwealth
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 winter or summer 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 or summer session. Applications received after the published deadline may be charged a $35 late fee. Applications to reregister are available from the Undergraduate Records website: registrar.uvic.ca.

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

APPLICATIONS FOR REREGISTRATION

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.

APPELLING 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 accessing uSource <usource.uvic.ca>, will be informed about the procedures for registration.
- Letters of Admission or Authorizations to Reregister are valid only for the term and session to which they apply.
- Students who are required to withdraw or denied reregistration will not be permitted to register until they have met the conditions outlined in the section Minimum Sessional Grade Point Average and Academic Standing, page 36, or the University English Requirements/Placement in Linguistics/English 099.
- A department may cancel the registration of a student who cannot demonstrate that all course prerequisites have been met or who fails to attend a course within the following period:
  - **Winter Session courses**
    - first 7 calendar days from the start of the course
  - **May-August courses**
    - first 7 calendar days from the start of the course
  - **May-June courses**
    - first 2 class meetings
  - **July-August courses**
    - first 2 class meetings
- Not all department instructors will choose to exercise the option to drop classes. If you do not attend classes, do not assume that you have been dropped from a course by a department or instructor. Courses that are not formally dropped will be given a failing grade. You may be required to withdraw, and you will be required to pay the tuition fee for the course.

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

**Course Selection Responsibility**

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

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

**Registration for Both Terms in Winter Session**

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

**Registration for One Term Only**

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

**Adding and Dropping Courses**

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

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

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

**Concurrent Registration at Another Institution**

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

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**2008-09 UVIC CALENDAR**

**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)
- a score of 4 or higher on the Advanced Placement Exam in English Language and Composition
- a score of 4 or higher on IB Higher Level English
- 1.5 or more units of transfer credit for university level English courses (excluding ENGL 181 and 182)
- a degree from an accredited English-speaking university
- while attending as a visiting student on a Letter of Permission

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

**The Language Proficiency Index**

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

Students applying to the Bachelor of Science in Nursing post-diploma Option B program are advised to contact the School of Nursing Adviser prior to writing the LPI.
Students should arrange to write the LPI at least six weeks before registration to allow time for the results to be processed. The Language Proficiency Index is available nationally and internationally.

For dates, locations and further information, contact the LPI office at UBC:
LPI Office
Neville Scarfe Building
University of British Columbia
2125 Main Mall, Room 6
Vancouver BC V6T 1Z4
Fax: (604) 822-9144
E-mail: tests@ares.ubc.ca
Web: <www.lpi.ubc.ca>

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

Placement following the LPI

Placement Test Results

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

Placement in Linguistics 099

Students placed in LING 099 (a non-credit course) must successfully complete the course and are then placed in either ENGL 099 or ENGL 115, based on the results of an exam taken at the completion of LING 099. Students who fail LING 099 must repeat the course in each subsequent term until they are placed in either ENGL 099 or ENGL 115. Students are allowed four attempts, normally over two Winter Sessions, to complete the required remedial course work for LING 099 and/or ENGL 099. The attempts must occur in consecutive terms. Students who do not register in LING 099 in consecutive terms or who fail after their allotted attempts will normally be denied permission to return to the University until they have demonstrated the required level of competence in English. Students may appeal the decision to the Senate Committee on Admission, Reregistration and Transfer.

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 29 for the address).

Registration as an Auditor

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

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

Individually Supervised Studies

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

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

Preparing for Future Studies Outside UVic

Students who plan to complete a year or two of studies at UVic and then transfer to another institution should design their program at UVic so that they will meet the requirements of the other institution. The University offers first-year courses in Humanities, Science and Social Sciences that will prepare students to enter the first year of Forestry, and the second year of Agriculture, Physical Education or Pharmacy at certain other universities. Students can also prepare for studies elsewhere in Medicine, Dentistry, Architecture, and other professions.

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

Biography, Chemistry, English, Human Anatomy, Human Physiology

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.

Vernery Medicine

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

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

Undergraduate Academic Regulations

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

Attendance

Students are expected to attend all classes in which they are enrolled. A department may require a student to withdraw from a course if the student is registered in another course that conflicts with it in time.

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

Instructors must inform students at the beginning of the term, in writing, of the minimum attendance required at lectures and in laboratories in order to qualify to write examinations. Students who are absent because of illness, an accident or family affliction should report to their instructors upon their return to classes.

Course Load

Minimum Course Load

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

<table>
<thead>
<tr>
<th>Session/Term</th>
<th>Maximum course load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter Session</td>
<td></td>
</tr>
<tr>
<td>September-April</td>
<td>18 units</td>
</tr>
<tr>
<td>September-December</td>
<td>9 units</td>
</tr>
<tr>
<td>January-April</td>
<td>9 units</td>
</tr>
<tr>
<td>Summer Studies</td>
<td></td>
</tr>
<tr>
<td>May-August</td>
<td>9 units</td>
</tr>
</tbody>
</table>

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:

1. Students who are unclassified or have non-degree status may not challenge a course.
2. 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.
3. Credit by course challenge is limited to 15 units or, for students in a diploma program, a maximum of 3 units.
4. 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.
5. A student who receives credit in a course at one level may not challenge its prerequisite in the same subject.
6. A specific course may be challenged only once.
7. The result of the course challenge examination or assessment will be entered on the student’s academic record whether or not the challenge is successful. The grade received will be used in determining the student’s sessional standing. For more information, or a course challenge application form, contact Undergraduate Records.

Students are urged to complete challenge examinations before the end of the period for adding courses, so that they can make any course changes needed for that session.

**Duplicate and Mutually Exclusive Courses**

A course may be taken only once for credit unless the course description states that it may be taken more than once for credit. Students are solely responsible for checking calendar descriptions, including those for assigned transfer credit, prior to and after registration, for any reference to duplicate, mutually-exclusive or cross-listed relationships.

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

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

The grade received for a duplicate or mutually exclusive course will be used in calculating a student’s sessional Grade Point Average, but credit for the course will not be granted a second time.

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

**Credits in Established International Exchange Programs**

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

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

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

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

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

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

**Program Requirement Change**

1. Subject to paragraphs 3 and 4, students’ programs will normally be governed by the regulations of the faculty in effect at the date of their first registration in the faculty.
2. Where faculty regulations change program requirements before the student has completed her or his degree, diploma or certificate, the student, with the approval of the faculty, may elect to be governed by the new regulations.
3. Where an academic unit does not propose to provide access to courses necessary to satisfy previous program requirements for at least five years, that unit must provide a transition program for any student registered in the faculty at the date of the program change who demonstrates that satisfying the new program requirements will extend the length

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**Canadian University International Study Abroad Program (CUSAP)**

CUSAP is offered at the International Study Centre, located at Herstmonceux Castle in East Sussex, UK (for more information, see note 12 on page 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 271 (or 371A or 371); Statistics 100-level or 200-level transfer credit; one of STAT 252, 254, 255, 260 (or 250). No more than 4.5 units of credit may be obtained from 100-level physics courses.

**Repeating Courses**

This regulation applies to students in all courses except Law, 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.
2008-09 UVIC CALE N DAR

POLICY ON ACADEMIC I NTEGRITY
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 PDA’s in their possession, will be
considered to be in violation of the University
Policy on Academic Integrity.

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

Procedures for Dealing with Violations
of Academic Integrity
Procedures for determining the nature of
alleged violations involve primarily the course
instructor and the Chair or Director of the unit
concerned (or, in the case of undepartmental-

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

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

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

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

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

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

Rights of Appeal
Students must be given the right to be heard at
each stage, and have the right to appeal decisions in accordance with University policy. A
student may:
• appeal a decision made by an instructor to the
Chair of the department in which the student
is registered
• appeal a decision made by the department
Chair to the Dean of the faculty in which the
student is registered
• appeal a decision made by the Dean or by the
President under the provisions of section 61 of
the University Act to the Senate Committee on
Appeals

UNDERGRADUATE INFORMATION

of time (number of terms) that the student
requires to complete her or his current program within the faculty.
4. An academic unit has no obligation to provide access to courses necessary to satisfy
previous program requirements or to provide
transitional programs for more than five
years after the date of the program change.
5. Where a student believes that a program requirement change has unfairly prejudiced her
or him due to special circumstances, and that
these regulations do not apply to the
student’s situation, the student may request
the Chair or Director or Associate Dean (in a
Faculty without schools or departments) to
establish a transition program. A student
may appeal a negative decision to the Dean or
the Dean’s designate. The decision of the
Dean or designate is final.3
1. In some faculties (particularly Education), accreditation requirements may not permit a change
in regulations midway through a student’s program.
2. The change to five years reflects the number of
years some faculties allow to complete their degree
program.
3. Because it is impossible to foresee all situations
in which unfairness may arise (for example, a
student transferring in with advanced standing
from a program affiliated with a UVic program),
this general regulation will allow for special circumstances.

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

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

Violations Relating to Undergraduate or Graduate Course Work
The following guidelines apply to undergraduate and graduate students.

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

Multiple Submission Without Prior Permission
If a substantial part of an assignment submitted for one course is essentially the same as part or all of an assignment submitted for another course, this should result in a grade of zero for the assignment in one of the courses. If the same assignment is submitted for two courses, this should result in a grade of F for one of the courses. The penalty normally will be imposed in the second (i.e., later) course in which the assignment was submitted.

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

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

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

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

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

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

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

Keeping Records
Violations of academic integrity are most serious when repeated. Records of violations of university policy are kept to ensure that repeat offenders can be identified and appropriately sanctioned. Access to these records is restricted to protect students’ right to privacy.

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

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

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

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

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

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

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

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

• Final examinations, other than language orals or laboratory examinations, will be administered during formal examination periods.

• Tests counting for more than 15% of the final grade may not be administered:
  • in any regular 13-week term, during the last two weeks of classes or in the period between the last day of classes and the first day of examinations
  • in any 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 more than one course without prior written permission of the departmental Chair and the students in the course.
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 <registrat.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 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, BScEng, 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 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 through uSource <uSource.uvic.ca>.

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

**Review of an Assigned Grade**

Reviews of assigned grades, for either part 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

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<th>Undergraduate Grading</th>
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<td><strong>Passing Grades</strong></td>
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<td>Grade</td>
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STANDING

Sessional Grade Point Average
The sessional Grade Point Average is based on all courses completed in a session which have a unit value. Courses bearing the grade COM, N/X, or F/X are not included in the calculation of the Grade Point Average. (A Grade Point Average is found by multiplying the grade point value of each final grade by the number of units, totalling the grade points for all the grades, and dividing the total Grade Points by the total number of units.)

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

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

Minimum Sessional Grade Point Average and Academic Standing
The following regulations apply in all faculties and all sessions, including 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) to remain in good academic standing.

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.

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

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

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

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

Requirement to Withdraw from the University
A student who is on academic probation 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 cleared 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;
2. since their last registration at UVic, completed a minimum of 6.0 units of transferable non-duplicate course work with a C+ (3.0) average in ALL transferable courses attempted, including currently in-progress course work. All students returning after a requirement to withdraw will be placed on probation for the next session attended.

Students who have grounds for appeal as noted under Appealing Admission/Reregistration Decisions, page 21, may appeal to the Senate Committee on Admission, Reregistration, and Trans-

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 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.

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.

Undergraduate Records, normally within 21 days of the release of grades.

• Students must keep all written work returned to them by the instructor during the term and make any work available that forms part of the grade to be reviewed. Undergraduate Records will make available completed final examinations when necessary.

• Undergraduate Records will send all materials involved in the grade review to the department Chair/Director, who will then arrange an independent evaluation of the grade (see individual faculty procedures).

• The grade determined by means of a review will be recorded as the final official grade, regardless of whether it is the same as, higher than or lower than the original grade.

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

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

Grades for Term Work
In addition to the above, students who achieve a sessional Grade Point Average of 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.

Grades for Term Work
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. These students will be required to withdraw regardless of the registered unit total, normally for one academic year.

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

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

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

Students who have grounds for appeal as noted under Appealing Admission/Reregistration Decisions, page 21, may appeal to the Senate Committee on Admission, Reregistration, and Trans-

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fer, stating why they should be considered for reregistration.

A student who is permitted to reregister following a requirement to withdraw will be on academic probation for the duration of the session in which UVic studies are resumed. A student who is required to withdraw a second time will not be permitted to register for credit courses at the University for at least five academic years.

Accumulation of Failing Grades

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

Withdrawal

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

Withdrawal for Unsatisfactory Progress

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

Voluntary Withdrawal

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

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

Students must obtain clearance from the University, to the satisfaction of Undergraduate Records, before being recommended, where applicable, for a fee refund. Summer 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 <registar.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 129.)

• 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 500 level may be included in the graduating average if they are accepted as credit towards the undergraduate degree.

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

With Distinction

The notation “With Distinction” will appear on the degree parchment, the convocation program and the transcript for those students whose 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 BSEng 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.

Graduates become members of the Convocation of the University as soon as their degrees are granted by the Senate, which generally occurs several weeks before the convocation ceremony.

Students who require proof of degree completion before degrees have been conferred by the Senate can obtain a letter from Undergraduate Records.

Second Bachelor’s Degrees

Students with a bachelor’s degree from UVic or another recognized institution may be admitted to a second bachelor’s degree program if they meet the admission requirements (see Second Bachelor’s Degree, page 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 Ombuds-person (see page 17). A student seeking a formal review of an assigned grade should consult the regulations on page 37.

Appeals to the Senate
Once all the appropriate recourses have been exhausted, a student may have the right of final appeal to the Senate. 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) 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.
- b) Prior to filing an appeal, a student must have pursued and exhausted all other reviews, appeals and/or other remedies provided by the University Calendar or by the Appellant’s faculty.

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

The membership of the Committee shall consist of:
- i) Nine (9) faculty members, one from each faculty other than the Faculty of Graduate Studies, at least six (6) of whom shall be members of Senate,
- ii) One (1) graduate student,
- iii) Three (3) undergraduate student senators from at least two different faculties, and
- iv) One (1) of the Senators elected by Convocation or appointed by the Lieutenant Governor-in-Council.

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

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

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

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

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

- b) Composition of Hearing Panels
  - Each Hearing Panel shall normally consist of five (5) members of the Senate Committee on Appeals composed as follows:
    i) The Chair or Vice-Chair of the Senate Committee on Appeals who shall serve as the Chair of the Hearing Panel,
    ii) At least one (1) student. Participation by a second student is desirable; if a second student is available and willing to attend, the number of panelists will then be six.
    iii) At least two (2) Faculty members, of whom one will normally be either from an area of study that is related to the area of study to which the appeal relates or from an academic unit which has a program that comprises practices or procedures that are similar to the program to which the appeal relates,
    iv) One additional member, and, when it is formed, at least three (3) members of each Hearing Panel shall be Senators. Except for the Chair of the Hearing Panel, the University Secretary shall select the members for each Hearing Panel at random in a manner that satisfies the preceding composition of the Hearing Panel.

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

4. Hearing Panel Procedural Guidelines
The Committee shall adopt Procedural Guidelines that will govern the conduct of hearings by Hearing Panels, and the Committee may, where a majority of all the members of the Committee 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 if 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,
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).

**GENERAL REGULATIONS**

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

### Student Responsibilities
- Students become responsible for their course or program fees upon registration. These fees may be adjusted only if a student officially drops courses, withdraws, cancels registration or changes status.
- Students are responsible for knowing in which courses they are registered. Students are required to formally drop courses, most often by using the web registration system (WebReg), rather than rely upon instructors to drop them due to non-attendance.
- Students waitlisted for courses are responsible for monitoring their registration status with both instructors and 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 also responsible for determining their fees, either from the Calendar and any calendar supplements or through the UVic website (see address below).
- See also Duplicate and Mutually Exclusive Courses, page 32.

### Fee Accounts
The fees for a term comprise:
1. full tuition for term courses taken that term
2. one half tuition for full year courses/programs taken that term
3. any other fees assessed for that term

Statements of account are not mailed to students. Students may view their account balances at <usource.uvic.ca>.

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

### General Information

<table>
<thead>
<tr>
<th>Fee Account</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>$4,581.00</td>
<td>$6,258.00</td>
<td>$4,581.00</td>
<td>$5,023.80</td>
<td>$8,017.20</td>
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<tr>
<td>Athletics/Recreation Fees</td>
<td>$143.00</td>
<td>$143.00</td>
<td>$143.00</td>
<td>$143.00</td>
<td>$143.00</td>
</tr>
<tr>
<td>UVic Students' Society Fees</td>
<td>$132.68</td>
<td>$132.68</td>
<td>$132.68</td>
<td>$132.68</td>
<td>$132.68</td>
</tr>
<tr>
<td>Other Students' Society Fees</td>
<td>$50.00</td>
<td>$15.00</td>
<td>$60.00</td>
<td>$180.00</td>
<td></td>
</tr>
<tr>
<td>UVic Students' Society Extended Health Plan</td>
<td>$160.20</td>
<td>$160.20</td>
<td>$160.20</td>
<td>$160.20</td>
<td>$160.20</td>
</tr>
<tr>
<td>UVic Students' Society Dental Plan</td>
<td>$125.40</td>
<td>$125.40</td>
<td>$125.40</td>
<td>$125.40</td>
<td>$125.40</td>
</tr>
<tr>
<td>U-Pass Bus Pass</td>
<td>$138.50</td>
<td>$138.50</td>
<td>$138.50</td>
<td>$138.50</td>
<td>$138.50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$5,280.78</strong></td>
<td><strong>$7,007.78</strong></td>
<td><strong>$5,295.78</strong></td>
<td><strong>$5,783.58</strong></td>
<td><strong>$8,896.98</strong></td>
</tr>
<tr>
<td>First payment</td>
<td><strong>$2,783.19</strong></td>
<td><strong>$3,646.69</strong></td>
<td><strong>$2,790.69</strong></td>
<td><strong>$3,034.59</strong></td>
<td><strong>$4,591.29</strong></td>
</tr>
<tr>
<td>Second payment</td>
<td><strong>$2,497.59</strong></td>
<td><strong>$3,361.09</strong></td>
<td><strong>$2,505.09</strong></td>
<td><strong>$2,748.99</strong></td>
<td><strong>$4,305.69</strong></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.

6. Full year Health Plan fees are charged in the first term.
7. The $200.00 acceptance deposit paid by new students is applied towards the amount due September 30.
Making Payments
Students are asked to make their payments by Internet or telephone banking, or debit card. Due to commission rates, tuition fee payments cannot be made by credit card.

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

Students may also send their payment by mail, with the cheque or money order (do not mail cash) made payable to the University of Victoria to: University of Victoria Accounting Services Box 3040 STN CSC Victoria BC V8W 3N7

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

Students should ensure that their student number and the term (e.g., 2009-01) 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%

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):

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

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

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- On or before: January 16 100%
- February 6 50%

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.

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Faculty of Education: Teacher Education Programs (Elementary and Secondary)
An acceptance fee of $150.00 is required from all students upon their acceptance of a place in the teacher education programs. This fee will be credited towards student fees at the beginning of the program. A student who withdraws from the program more than 30 days before the start date of the program will be refunded $100.00 of the acceptance deposit. A student who withdraws from the program within 30 days of the start date of the program will receive no refund.

Undergraduate Tuition (except Faculties of Law, Business and Engineering)
Per credit unit
- Domestic .......................... $335.40
- International ........................ $988.20

Course challenge: per credit unit
- Domestic ............................. $152.70
- International ........................ $494.10

Co-op program, per 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) .......................... $560.00

1. May be waived for students who have completed a non-credit diploma program and paid equivalent credit program fees; students should apply to Continuing Studies.

Law Tuition
Full time, per term
- Domestic ............................. $4008.60
- International ........................ $10660.60

Part time, per credit unit
- Domestic ............................. $534.50
- International ........................ $1421.40

Co-op program, per work term
- Domestic ............................. $612.00
- International ........................ $1020.00

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

Business Tuition
0.5 credit units
- Domestic ............................. $208.60
- International ........................ $641.00

1.5 credit units
- Domestic ............................. $625.80
- International ........................ $1922.98

2.0 credit units
- Domestic ............................. $834.30
- International ........................ $2564.00

3.0 credit units
- Domestic ............................. $1251.60
- International ........................ $3845.96
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 ...................................... $507.30
- International .................................. $1599.70

ELEC 395, ENGR 446 (1.0 credit unit)
- Domestic ...................................... $335.90
- International .................................. $1087.00

CSC 390 (6.0-7.5 credit units)
- Domestic ...................................... $1981.50
- International .................................. $2476.80

UVic Undergraduate Students’ Society

Extended Health and Dental Plans

The UVSS provides a mandatory extended health and dental plan for undergraduate students, voted in by student referendum. The premium for students taking on-campus courses or on a co-op work term is:

3.0 or more credit units in the first term (or on a co-op work term)

Extended Health Plan 12 months ................................. $160.20*
Dental Plan 12 months .............................................. $125.40*

3.0 or more credit units in the second term (or on a co-op work term) AND not assessed this fee in the first term

Extended Health Plan 8 months ................................. $106.80*
Dental Plan 8 months .............................................. $83.60*

*Premiums and plan details subject to change from year to year.

The coverage offered by the UVSS Student Extended Health Plan is supplementary to that provided by provincial medical services. It does not replace coverage provided by provincial medical plans.

Students are initially assessed the premium for the UVSS Extended Health and Dental Plan. Students who carry acceptable alternative coverage may opt out of the plans by 4 pm September 30, 2008 and receive a credit. For students registered in 3 or more units whose studies commence January 2009, the opt out deadline is 4 pm January 31, 2009. 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 membership card, showing the name of the insurance company and the policy number, to the Student Union Building (SUB) Info Booth by the deadline OR opt out on-line at <www.uvic.ca/healthservices/>. If you enter incomplete or inaccurate information, you will not be opted out of the UVSS Extended Health and Dental Plan. Should you choose to opt out on-line, it is your responsibility to check your Tuition Fee Statement to confirm reversal of fees up to and including the deadline. Students must opt out each year.

More information about the plan is available online 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 referendum in 1999.

The U-Pass fee is $69.25 per term. The U-Pass provides students unlimited access to all Greater Victoria BC Transit buses and HandyDart services. Only the following students may opt-out from the U-Pass plan:

• students with a BC Bus Pass
• students with mobility disabilities which prevent them from using BC Transit or HandyDart services
• students taking both Camosun College and UVic courses

The deadline for opting-out is Sept 30 (for first term) and Jan 31 (for second term).

New students can obtain their UVic ID cards at the University Centre. Returning students can validate their student card and receive a new U-Pass sticker at the University Centre, Student Union Building or Graduate Student Society.

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

Other Undergraduate Fees

UVic Students’ Society fees:

Students taking on-campus courses, per term
1. membership fees ...................................... $66.34
2. activity fees .......................................... $53.34
3. building fund ......................................... $13.00
4. Athletics and Recreation fees ........................ $71.50
5. Education Students’ Association* .................. $7.50
6. Engineering Students’ Society ........................ $30.00
7. Commerce Students’ Society ......................... $25.00
8. U-Pass, per term ...................................... $69.25

Students applying to graduate:

Graduation fee (includes $10.00 for UVSS graduating class fee) .............. $50.00
Late Graduation fee (includes $10.00 for UVSS graduating class fee) .............. $60.00
1. Students registered in less than 4.5 units pay half this amount.
2. Students may request a refund of the EdSA fee by applying to the EdSA Executive during the first two weeks of classes of each term.
3. Students may request a refund of the ESS fee in November and March by applying directly to the appropriate professional development union.

FEES FOR INTERNATIONAL STUDENTS

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

Undergraduate international students are required to pay an international student application fee of $100.00.

UNDERGRADUATE INFORMATION

FEES FOR AUDITORS

Audit fees per credit unit:
Under age 65
- Domestic ......................................... $152.50
- International ...................................... $490.50
Age 65 or over
- Undergraduate ..................................... $51.70
- Graduate .......................................... $87.10

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 ................................. $16.00
Returned cheque ........................................ $15.00
Supplemental examination, per paper
- on campus ........................................... $50.00
- off campus .......................................... $60.00
Transcripts, per copy ..................................... $10.00*
Transcripts (priority), per copy ....................... $17.00*
Education Deduction and Tuition Certificate replacements and fee payment confirmations ...................................... $4.28*
Calendar mailing charges - overseas .......... $14.00
- USA ..................................................... $10.00
- inside Canada ....................................... $8.00
Language 11 Equivalency Test ....................... $162.00
Graduation certificate - replacement ............ $75.00
- certified copy ....................................... $15.00
Photocopy - per page .................................. $3.00*
Final grade review fee (refundable if grade review successful) ...................... $25.00
Application for second degree or for change of degree status ......................... $8.00
Degree completion letter ......................... $10.00*
Degree completion letter (priority) ............... $15.00*
Miscellaneous letters ................................... $10.00
Letters of Permission to undertake studies elsewhere, per application, per institution ...................... $10.00*

* Includes Goods & Services Tax (GST)

Undergraduate Financial Aid

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

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

Detailed information on financial aid awards and application procedures is available through the Student Awards and Financial Aid website at <registrat.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 entering Uvic require application by October 15. A number of bursaries are awarded on the recommendation of Student Awards and Financial Aid and/or the student's academic unit. Students should contact their faculty, school or department for information on nomination procedures.

- To be eligible for a bursary, students must maintain registration in a minimum of 60% of a full course load (4.5 units or more) for credit in each term for which they receive a bursary. Students with a permanent disability must maintain registration in a minimum of 40% of a full course load (3.0 units or more) for credit in each term to qualify for bursary assistance.

Grants

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

Loans

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

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

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

Work Study

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

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

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

Undergraduate Scholarships, Medals and Prizes

Scholarships, medals and prizes are awarded to students on the basis of academic merit or excellence. Awards for undergraduate study are administered by Student Awards and Financial Aid.

Detailed information on undergraduate awards and application procedures is available through the Student Awards and Financial Aid website at <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 15 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 registered in 12 or more units of study to receive the award.

- Deferral of an award for up to one year (except in the Faculty of Law, where up to two years may be permitted) may be granted on written application to the Senate Committee on Awards.

- Students who enroll as a full-time student and subsequently withdraw from courses, so that they fall below 12 units, will have the value of their award reduced accordingly if the amount exceeds their assessed fees, and should note that they will only be eligible for part-time awards in the following year.

- The University reserves the right to limit the amount of money awarded to any student, and, if necessary, to reassign awards to other students by reversion. The Faculty of Law students are eligible to receive scholarships, awards and prizes to a maximum of $10,000.

- Except where the donor directs otherwise, the proceeds of awards issued by or through the University will be applied towards the student's tuition fees for the academic year. If the award a student receives exceeds this amount, the balance will be paid to the student if the student maintains registration as a full-time student.

- Other awards, such as medals or book prizes, if not presented directly by the donors or their agents, will be forwarded to the winners upon receipt.

- An award may be withheld or cancelled if there is a lack of suitable candidates or a donor withdraws the award, or if the student receiving the award withdraws from Uvic or fails to meet the terms and conditions of the award.

Entrance Scholarships

A large number of entrance scholarships, with yearly values of between $250 and $6500, are offered to students entering Uvic from secondary schools and community colleges. Detailed information about entrance awards and application procedures are available at the Student Awards and Financial Aid website: <registrar.uvic.ca/safa>.

Undergraduate Awards

Undergraduate students who attend Uvic in the regular Winter Session are eligible for a number of awards made available through contributions from corporate and individual donors as well as from the University operating budget. The majority of these awards do not require application; they are assigned on the basis of merit or on nomination by departments. Others require application. Except where the terms and conditions of an undergraduate award specifically state otherwise, award winners must normally return to Uvic in the next Winter Session and 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 Exercise Science, Physical and Health Education: Recreation and Health Education, Kinesiology
- Faculty of Engineering
  - Computer Engineering
  - Computer Science
  - Electrical Engineering
  - Mechanical Engineering
  - Software Engineering
- Faculty of Fine Arts
  - Humanities, Fine Arts and Professional Writing Co-operative Education Program (available in all programs)
- Faculty of Human and Social Development
  - Health Information Science
- Faculty of Humanities
  - Humanities, Fine Arts and Professional Writing Co-operative Education Program (available in all programs)
- Faculty of Law
- Faculty of Science
  - Biochemistry/Microbiology
  - Biology
  - Chemistry
  - Earth and Ocean Sciences
  - Mathematics and Statistics
  - Physics and Astronomy
- Faculty of Social Sciences
  - Anthropology
  - Economics
  - Environmental Studies
  - Geography
  - Political Science
  - Psychology
- Sociology

Admission

Admission, retention, and graduation requirements for Co-operative Education Programs are determined by the individual departments. Consult the calendar entries in these areas for further information.

Students must apply to the appropriate department for admission to the Co-op Program. 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.

Work Term Credit By Challenge

Certain Co-op programs allow students to challenge a work term on the basis of relevant work experience undertaken prior to their first work term. Students should discuss any potential challenge with the Co-op Coordinator for their program. Not all programs permit Work Term Challenge; where it is permitted, it is subject to the following regulations:

1. Students must be registered in the session in which the work term challenge is to be recorded.
2. Application forms for Work Term Challenge may be obtained from and submitted to the Co-op Program Coordinator for approval to challenge, after which the Challenge fee is assessed.
3. Normally, work term credit by Challenge is limited to one work term; exceptions require recommendation by the Program coordinator and the approval of the Executive Director of the Co-operative Education Program.
4. Assessment of Work Term Challenge will be carried out by the appropriate Co-op Program, based on the following:
   a) an aggregate of 455 hours (minimum) relevant work experience not previously counted toward work term credit
   b) where possible, written confirmation of employment and evaluation of performance from the employer
   c) an outline by the student of the prior work experience, providing evidence that he/she has acquired professional and personal knowledge and skills appropriate to the discipline or interdisciplinary field
   d) a work report appropriate to the discipline or interdisciplinary field
5. Once the assessment has been administered, the result will be entered on the student’s academic record.

General Regulations: Undergraduate Co-op

1. Students must register for each work term by completing the Work Term Registration form, which is provided by the Co-op Coordinator and which is normally completed when the student accepts an offer of employment for the work term and must be completed prior to start date. Students must be registered for the entire duration of the work term employment and, once registered, are not permitted to withdraw from the work placement without penalty of failure, unless specific written permission has been granted by the department/Director. Where permission is granted, an entry of WNF (Withdrawn No Fault) will be entered on the transcript. Students must contact the appropriate Coordinator for recommendation on procedure.
2. Undergraduate students must successfully complete the University English Requirement prior to undertaking their first work term; this
does not apply to students enrolled in the Faculty of Law.
3. Each work term is evaluated on the basis of the student’s performance of assigned work term tasks and a written work term report. The work term period and evaluation (grading: COM, F, or N) are recorded on the student’s official academic record. A failing grade (F or N) will be assigned if a student fails to complete satisfactorily the requirements for the work term; the requirements include 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 41.

6. In the undergraduate programs, students are required to complete satisfactorily the number of work terms specified by the academic program; normally at least four work terms are required, and in the Faculty of Business, the School of Health Information Science and the BSc Major in Kinesiology there will be no less than three. After admission to the program, students are required to register for all Co-op work terms.

7. Work terms are normally of four months duration and alternate with academic terms. For continuous co-op work experience of eight months or longer with the same employer, credit for more than one work term will only be granted if the requirements for an equivalent number of individual work terms are met. For example, the student must register for a second work term, pay additional fee assessments, complete a second work report and receive a second performance evaluation. Normally the second work term should also incorporate an increase in the student’s responsibilities at the 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 transfer 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.

**Criminal Records Check**

UVic students employed in co-operative work terms, placed in practica or enrolled as student members in their professional organizations may be required to undergo criminal records reviews by legislation (e.g., BC Criminal Records Review Act), or because of the risk management policies of their organization with which the student will be associated. Students are responsible for providing authorization for the review to the employer, practice agency or professional organization upon request and cooperating in the conduct of the review as needed. Without this authorization or cooperation, an organization may revoke its offer of employment or placement. Usually, the student must pay for the review, although some employers will absorb the costs. Some units on campus, where students are frequently placed in situations requiring a review, may have standard information or practices regarding the procedure. However, the University has no responsibility to involve itself in this process. Students should check the administrative office in their own unit for any discipline-specific information.

**Student Appeal Procedures**

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

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

3. If the student is not satisfied with this decision, the student may appeal to the Senate Committee on Appeals. This appeal process is governed by the Regulations on Appeals, page 40. Decisions of the Senate Committee on Appeals are final and may not be appealed to the Senate. In cases that do not fall under the jurisdiction of the Senate Committee on Appeals, the decision of the Dean and the Executive Director of Co-operative Education is final.
Faculty of Business

Vision Statement

We will be recognized locally and globally for excellence in research and business education, and for leadership in our chosen areas of specialization.

We will deliver to our students an outstanding education that is international, integrative, innovative, and experiential.

We will be open, fair, respectful, involved, and passionate in all that we do.
Members of the Faculty of Business

Ali Dastmalchian, BSc (Iran), MSc, PhD (U of Wales), Professor, Dean
Dale Beckman, BSc (Alberta), MBA (Western Ontario), PhD (Michigan State), Professor Emeritus
David A. Boag, BA (Laur), MBA, PhD (U of Toronto), Professor
Ralph W. Huenemann, BA (Laur), MBA, PhD (Harvard), Professor Emeritus
Ignace Ng, BA, MA, PhD (SFU), Professor
Craig Finder, BA (UBC), MA (Minnesota), PhD (Cornell), Professor & UVic Distinguished Professor
J. Brock Smith, BCom (UBC), MBA, PhD (W Ont), Professor and Francis G. Winspear Scholar, Champion Entrepreneurship Specialization
Stephen S. Tax, BCom (Man), MBA, PhD (Arizona State), Professor and Francis G. Winspear Scholar
Kenneth Wm. Thorncroft, LLB (UBC), PhD (Case Western Reserve), Professor
Roger N. Woff, BSc, MBA (U of A), DBA (Indiana), Professor
Mark Colgate, BSc, PhD (U of Ulster), Associate Professor, Champion Hospitality Services Management Specialization
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, Associate Dean, Director International Programs
Carmen Galang, BSc, MA (U of Philippines), PhD (U of Illinois), Associate Professor
Anthony Goerzen, HBBA (Winfried Laurier), PhD (W Ont), Associate Professor and Francis G. Winspear Scholar, Champion Faculty Research
Rebecca Grant, BS (Union College), MBA (McGill), PhD (W Ont), Associate Professor
Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Professor, Lansdowne Chair, Champion International Business Specialization, Director Executive Programs
Paul M. McCutcheon, BEng (RMC of Can), MBA, PhD (W Ont), Associate Professor, Director Undergraduate Programs
Sang H. Nam, BBA (Seoul), MBA (Bowling Green St), PhD (Oregon), Associate Professor
Ana Maria Peredo, BS (Inca Garcilazo de la Vega University of Peru), MA, PhD (Calgary), Associate Professor
Monika Winn, MA (Tuebingen), MBA, PhD (Calif, Irvine), Associate Professor
Hao Zhang, BEng (People's U of China), MBA, PhD (Concordia), Associate Professor
Jan Bagga, BA (U of Alberta), MA, PhD (UBC), Assistant Professor
Vivien Carwin, BA (U of Toronto), PhD (UBC), Assistant Professor
Dale Ganley, BA (Cornell University), MSc (Boston U), MA (U of Arizona), PhD (U of California), Assistant Professor

Aegean Leung, BA (Chinese University of Hong Kong), MA in International Affairs (U of Tsukuba, Japan), MSc (National University of Singapore), PhD (NUS Business School), Assistant Professor
Basma Majerbi, BCom (HEC), DESS (ISG), MSc (HEC), PhD (McGill), Assistant Professor
Linda Hui Shiai, BFinance (Zhongshan U), PhD (Michigan State U), Assistant Professor
Lynne Siemens, BA (U of Waterloo), MPM (U of A), MBA (U of Toronto), PhD (U of Hertfordshire), Assistant Professor, Limited Term
Michael Valente, HBComm (Laurentian U), MBA (Wilfrid Laurier U), PhD (York), Assistant Professor
Christopher Graham, BA (Queens), MBA (W Ont), CGA, Senior Instructor; Champion of Management
Margaret Klatt, MBA (Wilfrid Laurier University), Certified Management Accountant (CMA BC), Senior Instructor
Paul Levy, BA (U of Western Ontario), CA (Institute of Chartered Accounts BC), Senior Instructor
Heather Ranson, BA (UBC), MBA (U of Guelph), Certified Meeting Professional (Camosun College), Senior Instructor

Visiting, Adjunct and Limited Term Appointments
Robin Dyke, BA (UBC), MBA (SFU), Adjunct Professor (2003-2009)
Chris Janssen, BA, MBA (U of Goteborg), PhD (Copenhagen), Adjunct Professor (2003-2008)
Mansour Javidan, BSc (Sharif 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)
Victor Lotto, BA (Political Science), Management Training Program (Diploma), Foreign Service Officer (Retired), Adjunct Professor (2003-2008)
Richard Mimick, BSBA (Creighton U), MBA (U of Nebraska), Adjunct Professor (2003-2009)
Martin Murenbeeld, BSc, MSc (Alta), PhD (U of California), Adjunct Professor (2003-2008)
Dom Rowland, BCom (Saskatchewan), MA, PhD (Princeton), Professor and Assistant Dean (1999-2009)

Centre and Program Managers
Timothy Craig, BA (Wabash Col), MA (Indiana), MIM (AGSIM), PhD (U of Washington), Director Graduate Programs
A.R. Elangovan, BCom (Madras), MBA (St Mary's), PhD (U of Toronto), Associate Professor, Director International Programs
Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Professor, Lansdowne Chair, Champion International Business Specialization, Director Executive Programs
Leslie Liggett, BA, MA (UVic), Non-profit Sector Management Certification (Vancouver Community College), Manager Business Co-op & Career Program
David McCutcheon, BEng (RMC of Can), MBA, PhD (W Ont), Associate Professor, Director, Undergraduate Programs

General Information

PROGRAMS OFFERED

The Faculty of Business offers a full-time program leading to the degree of Bachelor of Commerce (BCom). A Master of Business Administration (MBA) program is also offered (see UVic Graduate Calendar).

The BCom program provides students with a broad education in business, together with exposure to the liberal arts and specialization in one of the following areas: International Business, Entrepreneurship or Services Management. The opportunity to pursue a degree in Management without a specialization in any particular area is also available. The BCom program is a mandatory co-operative education program which requires students to complete three co-operative education work terms.

The Faculty of Business Bachelor of Commerce degree program consists of two years (30 academic units) of liberal arts course work, including required and elective courses, followed by two years (30 academic units) of required and elective courses offered by the Faculty of Business and three co-operative education work terms. Students must apply to be admitted to the BCom program. There are several admission points that students may select to apply to the BCom program.

Limitation of 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 83 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 90 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 203.

Business Minor

Students pursuing a non-Business degree may elect to take a Business Minor. The Business Minor program consists of 9 units including COM 220, 240, 250, 270 with a minimum grade of C+ in each course, plus at least 3.0 units of 300-
or 400-level COM, ENT or IB courses. Students must declare the Minor with the advising centre of their originating faculty. Required courses at the 200-level or higher in the Business Minor Program cannot form part of the requirements towards other programs or options.

Permission to register in courses and related prerequisites will be considered on a case-by-case basis and is at the discretion of the Faculty of Business.

**ACADEMIC ADVICE**

Information on 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.unic.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.

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**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 (Domestic and International Baccalaureate).”

Applicants from High School and First Year Admission requirements as described under the admission section entitled First Year College or University Students (Canadian or Landed Immigrant) or the section entitled Direct Admission. Transfer credit will be limited to 4.5 units of Commerce credit for the purposes of calculating the cumulative Pre-Commerce Grade Point Average and calculating the applicant’s pre-Commerce course units. Students transferring from BC community colleges or university colleges should consult the BC Transfer Credit Guide at <www.bccat.bc.ca> for assistance in determining the transferability of courses. Students attending any business or business administration diploma programs will be considered along with all other applicants and must have completed the requirements for admission as outlined below.

**ADMISSION FROM OTHER UNIVERSITIES**

Applicants from other universities must first be admitted to UVic. Students must have a minimum of 12 units of transferable credit to be considered for admission to UVic. Transfer credit should address the admission requirements as described under the 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.

**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 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.

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.

**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 additional information under the heading BCI Entry program. All students are encouraged to consult the University Calendar to meet the pre-requisites for the required courses.

**Co-op Work Term Requirements for Admission**

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

- Students are normally required to complete one co-op work term (Pre-Commerce co-op) prior to commencing the BCom program core in the High School or Year One admission category. International students should refer to BCI Entry Requirements.
- Students will have the ability to challenge one co-op work term if they have sufficient relevant work experience. See details regarding criteria and regulations for co-op challenges under the Business Co-op Program section or consult the Business Co-op and Career Centre.
- Students can transfer in a successfully completed work term through an accredited co-op program and receive credit for one of the BCom Co-op work terms.

Credit for only one work term will be permitted through the above-mentioned options. Students must register in and complete two work terms through the Business Co-op and Career Centre as part of their BCom program. Students who do not complete a Pre-Commerce co-op work term will be expected to complete this requirement during the BCom program, which will normally add an additional term to their program.

**ADMISSION CATEGORIES AND DEADLINES**

High School and First Year Admission

The Faculty of Business will offer admission to high school and college/university transfer students who demonstrate a high level of academic achievement and other qualitative considerations such as leadership, school and community involvement, participation in extra-curricular activities, and work experience and career aspirations.

Admission from high school or first year to the Faculty of Business guarantees access to the
The BCom program if the student maintains the level of academic and co-op performance prescribed in any conditions set out by the BCom Program Director and BCom Admissions Officer as part of the admissions process. High school and first year admission students will be eligible to register in their pre-commerce co-op work term during the summer term prior to starting the BCom program core classes. High school and first year admission students who are not registering in a pre-commerce co-op during that summer term are not permitted to register in any courses that are considered part of the BCom degree program.

<table>
<thead>
<tr>
<th>Pre-Commerce Courses Including Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Economics:</strong> 1.5 units</td>
</tr>
<tr>
<td>ECON 103 (Introductory Microeconomics): 1.5 units</td>
</tr>
<tr>
<td>Math 12 is a prerequisite to the above mentioned course</td>
</tr>
<tr>
<td><strong>English:</strong> 3 units</td>
</tr>
<tr>
<td>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).</td>
</tr>
<tr>
<td><strong>Math:</strong> 1.5 units</td>
</tr>
<tr>
<td>MATH 151 (1.5 units) and STAT 252 (1.5 units) OR</td>
</tr>
<tr>
<td>ECON 245 (1.5 units) and ECON 246 (1.5 units) OR</td>
</tr>
<tr>
<td><strong>Statistics:</strong> 1.5 units</td>
</tr>
<tr>
<td>STAT 255 (1.5 units) and STAT 256 (1.5 units) OR equivalents.</td>
</tr>
</tbody>
</table>

**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.

**Computer Literacy:**

Applicants must have demonstrated competence in the use of word processing, database and spreadsheet software packages (such as Microsoft Office).

**Courses in other disciplines to make up 30 units of Pre-Commerce work**

Non-Business courses in other disciplines to make up 30 units of Pre-Commerce course work (maximum of 4.5 units of Commerce course work). COM 220, 240, 250, 270 May not be used as Pre-Commerce course work.

Students may wish to consider including courses in languages, other cultures and other political or economic systems.

**Notes about Language Requirement**

Students who intend to specialize in the International Business specializations are required to complete a minimum of 3.0 units of a foreign language as part of their Pre-Commerce course work. Students who intend to apply to participate in an academic exchange through the 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 150: Public Speaking

**One Co-op work term**

Applicants will need to have completed (or be able to challenge) one co-op work term before entering the program or complete a third co-op term during the program. For details, please see "Co-op Work Term Requirements for Admission".

**High School (Grade 12) (Domestic and International Baccalaureate)**

**Application Deadline:** February 28

**Documentation Deadline:** March 15

The documentation deadline refers to the documents that the student is responsible for submitting as described below. Upon receipt of grades from Undergraduate Admissions (as reported in BC and the Yukon by the BC Ministry of Education or as an interim high school transcript elsewhere), conditional offers will be made. Upon receipt of final grades, conditional offers will be confirmed.

Students who wish to be considered for admission must have a minimum GPA of 80% on required high school courses. Meeting the minimum GPA requirement does not guarantee admission to the BCom program.

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 Business. 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).
- 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.

**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 the remaining required courses.
• Students must maintain an overall GPA average of at least 5.0 (B) on the remainder of their Pre-Commerce course work (Year 2). GPA will be reviewed after December 30 of the academic year.
• Students must complete all required and elective courses (30 units) by the end of the Spring (January-April) term of their Year 2 prior to commencement of BCom core.
• Students must complete their first co-op work term prior to commencing the BCom program 3rd year core.

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

Students are required to submit the following documents:
• University of Victoria Application Form (non-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 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. Applicants must maintain an overall 30-unit GPA of 5.0.

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. Applicants must maintain an overall 30-unit GPA of 5.0.

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
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 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 U Vic 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 U Vic and registration forms for returning students are available at the Undergraduate Admissions and Records website: <registrar.uvic.ca/undergrad>

Current and returning U Vic students must submit:
1. BCom Application and Experience Form
2. U Vic 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. U Vic 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 sessions address given to U Vic 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 E may apply for a supplemental exam (see Supplemental Exam regulations under the appropriate section below). Students who do not apply for a supplemental exam by the published deadline will be considered to have failed the course, the opportunity to apply for a supplemental is rescinded, and the student must repeat the course in the next academic term that the course is offered.

**SUPPLEMENTAL EXAMS**

Supplemental examination privileges in Faculty of Business courses are granted to Bachelor of Commerce students who have a satisfactory standing in the program. Satisfactory standing for the purpose of supplemental examinations is defined as achieving the minimum academic standard of 3.0 in their most recent academic term. The maximum number of units of supplemental examinations allowed for any one student is normally three during their Bachelor of Commerce degree program. In addition, students may not apply for more than ONE supplemental examination during a given academic term.

Students must apply in writing for permission to write a supplemental examination. Students are eligible to take the supplemental examination in a course only if they have completed all the course work, written the final examination and received a grade of E in the course. Supplemental examinations cover only the course work covered by the written final examinations - they will not compensate for, or replace, project or assignment grades. If there was no written final examination in the course, or if a student did not have a passing grade on the course elements exclusive of the final exam, the student will not be eligible for the supplemental examination.

A passing grade obtained on a supplemental examination will be shown on the student’s academic record with a grade point value of 1, corresponding to a D, and will be included as such in the calculation of the GPA for review of academic performance at the University and in determining the student’s graduating average and standing at graduation. However, for the purpose of academic review and standing within the Faculty, the actual grade received on the supplemental examination, together with the E grade that gave rise to the supplemental examination, will be used. A student who fails to pass a specific course after a supplemental examination must repeat the course or replace it with an alternative course approved by the Director of the Bachelor of Commerce program.

The fee for each supplemental examination is $45.00. In certain unique situations, students may apply for an off-campus supplemental examination. The testing locations for off-campus supplemental examinations outside British Columbia are restricted to universities and colleges, and the fee for an off-campus supplemental examination is $55.00. The Bachelor of Commerce program office must receive applications for supplemental examinations, accompanied by the necessary fees, by the following dates:

- for courses taken during the September-December term: January 31
- for courses taken during the January-April term: May 31
- for courses taken during the May-August term: September 30

No applications for supplemental exams will be accepted past these deadlines. Students will normally be notified of whether their application has been accepted or refused within approximately three weeks of the appropriate application deadline. Fee payments will normally be returned to students only in the case of rejected applications. The Faculty of Business schedules supplemental examinations.

**LETTERS OF PERMISSION**

Students in the Faculty of Business who are planning to take a course at another institution for credit toward the Bachelor of Commerce degree are required to contact the 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 email address.

Students must drop themselves from waitlisted classes where the class is no longer wanted or needed during that term. Students waitlisted for courses are responsible for monitoring their registration status through the registration system (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 online. Students are advised to consult the on-line exam schedules before making arrangements for their personal schedules. It is the responsibility of all students to be present for the exam period for both midterms and finals. The Faculty of Business is not responsible for conflicts between the final exam schedule and personal schedules of students. Requests to write an exam on a day other than the date designated by the official exam schedule will not be entertained. For academic regulations regarding deferred exams, please see page 36 of the Calendar.

Commerce courses with more than one section may have a common midterm exam scheduled by the Faculty of Business. Students will be advised of the dates and times of the exams by the Faculty of Business and may be expected to attend midterm exams outside the regular class schedule which may include Saturdays.

**WITHDRAWAL FROM THE BCom PROGRAM**

A student who does not register for any courses offered by the Faculty of Business during the first academic term after admission, or during any subsequent academic terms while not on a co-op work term, will be considered to have withdrawn. Any student who is considered withdrawn must re-apply for admission and will be considered in competition with all other applicants. A student who has been admitted to the Faculty of Business and subsequently registers for courses applicable only to another department during an academic term must have the written permission of the Faculty of Business. Students who voluntarily withdraw from the BCom program and later re-apply for admission must do so by the standard deadlines and will be considered in competition with all other applicants. The Faculty of Business is under no obligation 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
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

Open Commerce Electives

Please note that in addition to the 18 units of core courses and the required courses within the chosen specialization (4.5-6.0 units), students are required to complete an additional 6.0-7.5 units of open Commerce electives (prerequisites and corequisites still apply). Note that students who have entered the BCom program with a Hospitality Management Diploma block transfer are required to complete 3.0 units of non-business electives and 3.0 to 4.5 units of open Commerce electives.

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

Specializations

There are three specializations:

- International Business Management
- Entrepreneurship
- Hospitality and Services 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

Management Program

Students may elect to complete a program in Management.

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

International Exchange Program

The International Exchange Program (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)

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, 240, 250, and 270 with a minimum grade of C+ in each course, plus a least 3 units of 300- or 400-level COM, ENT or IB courses.

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

Business Co-op Program

The University regulations with respect to Co-operative Education Programs (see page 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 15 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 30 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 area 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 pre-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 Site 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 41.

While on Co-operative Education work terms students are subject to the provisions of the Principles of Professional Behaviour and the Standards for Professional Behaviour documents developed for the Faculty of Business.

Academic and Work Term Sequencing

Work terms are normally of four months duration and should be integrated within the student’s academic program such that they alternate with academic terms, as designated by their area of concentration, until graduation.

The Faculty of Business may make amendments to a student’s academic and work term sequencing during the course of the program.

Students are expected to remain in the prescribed academic and work term sequencing. Priority will be given to placing students who are scheduled to go on a work term, as defined by their area of concentration. Students not scheduled to go on a work term will not be eligible to participate in the placement process.

Assessment of Work Term Performance

The requirements for a pass grade in a Co-op Work Term include the satisfactory completion of the following items:

- the student’s work term expectation form
- Work Site Visit by the Co-op Coordinator
- the student’s work term final evaluation
- the employer’s work term evaluation
- a work term report as assessed by the Coordinator and submitted by the deadlines specified below:
  - Full 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.
Faculty of Education

Studies in Education lead students toward an understanding of the nature of knowledge, its interpretations and how it is shared. Through individual and group work, instruction, and supervised experiences in the field, students in the Faculty develop their professional knowledge and skills as well as their ability to share their knowledge and experience. In this way, students learn how to be leaders not only in the classroom but in the community as well. Students in the Faculty may pursue bachelor programs in elementary or secondary education, kinesiology or recreation and health education. The Faculty also offers graduate programs at the master's and doctoral levels.
Faculty Members
Theodore (Ted) J. Riecken, B.A., M.Ed. (U. Sask.), EdD (UBC), Dean of the Faculty
Jillian Roberts, BA (Waterloo), BEd (Dalhousie), MEd (OISE Tor), PhD (Calgary), RPsych, Associate Dean Administration
Katherine Sanford, BEd, MEd, EdD (U of A), Associate Dean Teacher Education

DEPARTMENT OF CURRICULUM AND INSTRUCTION
Deborah L. Begoray, BA (U of A), MA (Calg), PhD (UBC) Professor
Thomas Fleming, BA, MA (UVic), PhD (Ore), Professor
Robert J. Graham, MA (Glasgow), MA (Toronto), MEd (OISE), PhD (Calgary), Professor
Budd L. Hall, BA, MA (Michigan State), PhD (UCLA), Professor, Director, Office of Community-based Research
Margie I. Mayfield, BA (Macalester Coll), MA, PhD (Minn), Professor
Wolf-Michael Roth, MSc, (Germ), PhD (Mississippi), Professor and Lansdowne Chair
Gloria J. Snively, BSc (Portland St), MA (SFU), PhD (Mississippi), Associate Professor
Lorna Williams, BGS, MEd (SFU), PhD (Vancouver), Assistant Professor, Canada Research Chair

INSTRUCTION
Katherine Sanford, BEd, MEd, EdD (U of A), Associate Professor
Theodore J. Riecken, BA (Waterloo), BEd (Dalhousie), MEd (OISE Tor), PhD (Calgary), RPsych, Associate Dean Administration
Katherine Sanford, BEd, MEd, EdD (U of A), Associate Dean Teacher Education

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND LEADERSHIP STUDIES
John O. Anderson, BSc, BEd, MEd (Man), PhD (Alta), Professor
M. Honoré France, BSc (Tenn), MEd, EdD (Mass), Professor
Brian Harvey, BA (Brun), MA, PhD (Ohio St), Professor
E. Anne Marshall, BA (Bishop’s), MA, PhD (OISE Tor), RPsych, Professor
W. John C. Walsh, BGS, MA, PhD (Simon Fraser), RPsych, Professor
Wanda Boyer, BEd (Calg), MEd (S. Mississippi), Associate Professor
Darlene Clover, BA (Torr), MEd, EdD (York), PhD (OISE Tor), Associate Professor
Allison Hadwin, BEd, BAH, MEd, (Queens), PhD (Simon Fraser), Associate Professor
Jillian Roberts, BA (Waterloo), BEd (Dalhousie), MEd (OISE Tor), PhD (Calgary), Assistant Professor
Robinder (Rob) P. Bedi, BA Honors, MEd (Simon Fraser), PhD (Brit Col), RPsych, Assistant Professor
Geoffrey G. Hett, BEd (UVic), MS, PhD (Oregon), Assistant Professor

SCHOOL OF EXERCISE SCIENCE, PHYSICAL AND HEALTH EDUCATION
Douglas R. Nichols, BA (Hope Coll), MS (Ont), PhD (Calgary), Associate Professor

2008-09 UVIC CALENDAR
1.0 General Information

1.1 Undergraduate Degree Programs

The Faculty of Education comprises the Department of Curriculum and Instruction, the Department of Educational Psychology and Leadership Studies and the School of Exercise Science, Physical and Health Education. The faculty offers programs leading to the degrees of Bachelor of Arts in Recreation and Health Education, Bachelor of Education (Elementary Curriculum), Bachelor of Education (Secondary Curriculum) and Bachelor of Science in Kinesiology. The faculty also offers diploma programs in co-operation with the Division of Continuing Studies.

1.2 Co-operative Education Programs

Please refer to page 45 for information about Undergraduate Co-operative Education at the University of Victoria.

In the Faculty of Education, the School of Exercise Science, Physical and Health Education offers Co-operative Education Programs in Kinesiology and Recreation and Health Education. Admission to and completion of co-operative education programs are governed by the individual program requirements. Refer to section 15 for more information.

1.3 Joint Programs

Bachelor of Science (Mathematics Education)
A program offered by the Department of Mathematics and Statistics in the Faculty of Science, in co-operation with the Faculty of Education, is under development.

1.4 Interfaculty Programs

In the Faculty of Education, students in the School of Exercise Science, Physical and Health Education have the option to complete courses for a program in another faculty. Students in a teacher education program do not have this option.

Recreation and Health Education Program (BA)
An undergraduate student enrolled in this program may complete courses prescribed in the UVic calendar for a minor program in another faculty. A major or honours program in another faculty is not an option. Students interested in completing an interfaculty minor should refer to section 15.1.2 and consult an adviser in the Education Advising Centre.

Kinesiology Program (BSc)
An undergraduate student enrolled in this program may also complete courses prescribed in the UVic calendar for a minor, major or honours program in another faculty. Students interested in completing an interfaculty minor, double honours or major should refer to section 15.2.6, and consult an adviser in the Education Advising Centre.

1.5 Diploma Programs

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 practicing teachers to design and develop programs integrating information technologies into instruction.

Diploma in Intercultural Education and Training
This 18-unit program is designed for students and professionals working or planning to work in a multicultural or cross-cultural environment. It

<table>
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<th>Faculty of Education Programs</th>
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<tr>
<td></td>
<td>Bachelor of Education (Elementary Curriculum)</td>
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<td></td>
<td>Bachelor of Education Post-Degree Professional Program (Elementary)</td>
<td>BEd</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Education (Secondary Curriculum)</td>
<td>BEd</td>
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<tr>
<td></td>
<td>Bachelor of Education Post-Degree Professional Program (Secondary)</td>
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<td></td>
<td>Kinesiology</td>
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**NB:** All degree programs are subject to quota

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may be taken on a part-time or full-time basis. Students interested in this program should consult the Division of Continuing Studies.

1.6 Graduate Programs
Graduate degrees in education are offered through the Faculty of Graduate Studies. Inquiries about graduate degrees should be directed to the Dean of the Faculty of Graduate Studies or the Education Departmental Graduate Advisers. Students seeking teacher certification should refer to the descriptions of the post-degree professional programs (elementary), section 11.0, and (secondary), section 13.0.

2.0 Academic Advice
Students needing advice about any of the undergraduate courses or programs offered in the Faculty of Education (including the post-degree professional programs and School of Exercise Science, Physical and Health Education programs) should consult an academic adviser in-person at the Education Advising Centre, Room A250 MacLaurin Building or by telephone at (250) 721-7877.

3.0 Aboriginal Advisory Board
Programs in the Faculty of Education have the benefit of advice and guidance from the Aboriginal Education Advisory Board whose members are stakeholders in the field of Aboriginal Education. The members are from the First Nations, urban First Nations, and Métis communities as well as the Faculty of Education and university community. Further information is available from the Aboriginal Education Office.

4.0 Availability of Courses to Students in Other Faculties
Faculty of Education courses required for an elementary or secondary teacher education program, kinesiology program or recreation and health program are normally restricted to students admitted to one of these programs.

A student who is not enrolled in the Faculty of Education may register for any course or section of a course that is not restricted to Faculty of Education students provided that the student has the prerequisites for the course and there are places available in the course when the student attempts to register.

Students in other faculties who propose to take courses in the Faculty of Education are responsible for determining if the courses can be used in their degree program.

In certain cases, other students may be registered as non-degree students to provide them with the opportunity to establish their qualifications for entry or re-entry to a program offered by the faculty or to re-establish their qualifications with the BC College of Teachers.

5.0 Limitation of 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.

6.0 Faculty Admissions
New applicants to the University of Victoria should read the regulations regarding undergraduate admission starting on pages 20-26.

Applicants for admission to the Faculty of Education must meet general faculty and specific program admission requirements.

APPLICATION AND DOCUMENT SUBMISSION DEADLINES
Applications for admission to the faculty, transcripts and all other related documentation must be received by the dates displayed in the table on page 8 under the Faculty of Education heading.

For application deadlines for other degree programs and diploma programs offered by the faculty, please check with Undergraduate Admissions.

6.1 General Faculty Admission Requirements
The specific admission requirements for individual programs within the Faculty of Education are given under each program's description.

The general requirements for admission to the Faculty of Education are:
1. at least 12 units of credit, including 3 units of English
2. a sessional grade-point average of at least 3.0 on the most recent session, and if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units
3. an admission interview, if required by program (see 6.3) *This requirement will be waived for 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.

Recommended Pre-Admission Courses

Elementary Teacher Education:
Although high school prerequisites are not required for entrance to teacher education programs, students are recommended to take the following courses:
- English Literature 12,
- at least French 11,
- at least Principles of Math 11 and
- two grade 11 science courses

Kinesiology
Although high school prerequisites are not required for entrance to the BSc Kinesiology program, many of the courses required in this program have secondary school prerequisites, including a minimum of Biology 11, Chemistry 11 (Chemistry 12 recommended), Math 12 and Physics 11 (Physics 12 strongly recommended).

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

Admission Interview Requirement
Following the review of an application, an interview (in addition to the program interview) may be required. This interview will be conducted by the 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.

Secondary Teacher Education:
Although high school prerequisites are not required for entrance to teacher education programs, students are recommended to take the following courses:
- English Literature 12 and
- for those wishing to become secondary art education teachers, Art 12
- for those wishing to become secondary music education teachers, Choral Music 12, Instrumental Music 12, Music Composition and Technology 12
- for those wishing to become physical education teachers, Biology 11, Biology 12, Chemistry 11, Physical Education 11 and Physics 11

Recommended Pre-Admission Courses

Elementary Teacher Education:
Although high school prerequisites are not required for entrance to teacher education programs, students are recommended to take the following courses:
- English Literature 12,
- at least French 11,
- at least Principles of Math 11 and
- two grade 11 science courses

Kinesiology
Although high school prerequisites are not required for entrance to the BSc Kinesiology program, many of the courses required in this program have secondary school prerequisites, including a minimum of Biology 11, Chemistry 11 (Chemistry 12 recommended), Math 12 and Physics 11 (Physics 12 strongly recommended).

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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.
7.3 Course Regulations

Practicum Courses
All courses that have a practicum component are governed by the practica regulations, section 9.3. No course containing field experience practica may be challenged. Students who wish to repeat any practica courses must obtain permission from the manager of field experience.

Prerequisites
It is the responsibility of all registrants to ensure that all prerequisites for the courses in which they register have been met. Prerequisites may be waived if the student has completed equivalent work, or in other exceptional cases. Consult 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, 320, 321, 402, 420, 421. These courses may be taken by first- or second-year students with appropriate backgrounds.

Students in a teacher education program 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.

Probation. Students must obtain a GPA of 4.0 in all sessions attended while on probation and will be reinstated only when they have accumulated a minimum of 6 units at the 4.0 level or better. Students who fail to obtain a sessional GPA of at least 4.0 in the probationary session will be required to withdraw from the faculty.

Re-admission. To re-enter the faculty, students must meet the admission requirements prevailing at the time of their re-application. In programs with quotas, this may mean considerable course work will be necessary to raise the GPA sufficiently. In programs not subject to quotas, the application for readmission is subject to approval by the manager 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 re-admitted to an elementary teacher education program after having been required to withdraw and whose sessional GPA again falls below 4.0 will be required to withdraw from the program for a period of five years. An appeal process is available to address student concerns about the application of any of the above procedures. Please refer to 7.9.

Secondary Teacher Education Programs
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.

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
7.6 Currency Requirement for Degree and Program Completion

The Faculty of Education reserves the right to impose currency requirements for degree/program completion. Course work more than 10 years old will be subject to a review to determine whether its content is outdated. Students whose course work is considered outdated by the manager of teacher education programs, in consultation with the departments or the school, or by the director of the School of Exercise Science, Physical and Health Education, will be required to replace or update the course work concerned.

7.7 Declaring a Program

All undergraduate students registered in the faculty are required to make a commitment to a particular program. Students should request a record of degree program (RDP) from the Education Advising Centre as soon as possible following admission to the faculty. The purpose of the RDP is to ensure that proposed courses will meet the requirements for the degree program selected. RDPs will be based on current faculty regulations. All previously completed course work will be considered in relation to the student's choice of program and, in the case of students in a secondary teacher education program, teaching areas. The faculty reserves the right to review any program or course work that is deemed to be outdated.

Students may confirm program requirements with an academic adviser before registering in any session.

7.8 Graduation

7.8.1 Minimum Degree Requirements for Graduation

Students should refer to page 39 for the graduation regulations that apply to all UVic students. Students registered in a teacher education program should also refer to Section 9.5.

7.8.2 Standing at Graduation

Graduating Average

The graduating average of a student in the Faculty of Education will be determined as the weighted average of the grade point values of the letter grades (other than COM) assigned to 300-, 400- and 700-level courses taken at the university and acceptable within the degree program.

With Distinction

The designation of "With Distinction" will be granted to the top 20% of students graduating from an undergraduate Faculty of Education program provided they have a GPA meeting or exceeding 6.5. In the event that the top 20% in a program represents a fractional number, the number shall be rounded up to the nearest whole number.

This policy is not yet effective. Please see "With Distinction" on page 39.

7.9 Appeals

Students should refer to the university regulations regarding appeals starting on page 40.
FACULTY OF EDUCATION

vidually reviewed by the manager of teacher education.
3. Completion of the English 115 Equivalency Test (EET) at a level of 4.0 or better.

Students who wish to have other work considered may appeal to the faculty appeals and adjudication committee (FAAC).

8.2 Acceptance Deposit
An acceptance fee of $150.00 is required from all students upon their acceptance of a place in a teacher education program. This fee will be credited towards student fees at the beginning of the program. A student who withdraws from the program at least 30 days before the start date of the program will be refunded $100.00 of the acceptance deposit. A student who withdraws from the program within 30 days of the start date of the program will receive no refund.

8.3 Teacher Applicants
Qualified teachers, whose initial preparation led to teacher certification but not to an undergraduate degree, who now wish to complete a Bachelor of Education degree at the University of Victoria should consult an academic adviser in the Education Advising Centre.

Existing programs can be modified on the basis of previous university-level course work and experience. The manager of teacher education programs will determine what credit, from UVic or other institutions, may be applied to the degree program. Those whose studies commenced more than 10 years ago are also referred to Limitations of Credit for Certificated Teachers.

Applications must be made in the normal manner to UVic Undergraduate Admissions or Records.

8.4 Criminal Record Check
While not a requirement for admission, students must complete a Criminal Record Check in compliance with the BC Criminal Record Review Act before they can be placed in a field experience. Students are responsible for providing authorization for the review to the Field Experience Office upon request. Students who do not complete the review will be not permitted to undertake field experience. Costs related to the review are the responsibility of the individual student.

Contact the Field Experience Office for more information.

Students with criminal convictions are advised to contact the manager of field experience and the BC College of Teachers for clarification of their status before undertaking a teacher education program.

9.0 Teacher Education Program Regulations

9.1 Guidelines for Professional Conduct
Students in the faculty are expected to adhere to the Faculty of Education's Code of Professional Conduct as the basis of their relationship with peers, faculty members, teachers and the students they serve. In a field setting, students are subject to the provisions of the Faculty of Education's Code of Professional Conduct.

The Faculty of Education's Code of Professional Conduct includes, but is not limited to:
- The exercise of self-discipline, accountability and judgement in academic and professional relationships;
- Acceptance of personal responsibility for continued academic and professional competency and learning;
- Acceptance that one's professional abilities and personal integrity, and the attitudes one demonstrates in relationships with others, are measures of professional conduct;
- Ability to communicate effectively with members of faculty, peers, practising professionals, parents and students:
  - Ability to write, speak and present well.

9.1.1 Unprofessional Conduct
Students enrolled in a teacher education program are responsible for understanding the provisions of the BC School Act, the BC Teachers' Federation's Code of Ethics (BCTF), as well as the Faculty of Education's Code of Professional Conduct. A student may be required to withdraw for violation of any part of these.

9.2 Withdrawal from Teacher Education
The Faculty of Education reserves the right at any time to require any student to withdraw from the faculty when, after consideration of scholarship and/or professional conduct, it concludes that the student is unsuitable for the teaching profession.

a) The faculty expects students to complete satisfactorily all required courses as evidence of scholarship.

b) Students in the faculty are expected to adhere to the Faculty of Education's Code of Professional Conduct. Students should refer to 9.1.

The manager of teacher education programs and/or field experience shall notify a student whom he/she considers unsuitable for the profession; the managers will also make a recommendation to the associate dean of teacher education that the student be required to withdraw from the faculty.

The managers shall meet with the student and give reasons for the recommendation. The managers shall tell the student of the right of appeal to the faculty appeals and adjudication committee (FAAC). The appeal should be written and should be delivered to the manager of teacher education programs.

Upon appeal the FAAC shall give the student an opportunity to be heard. Before the hearing, the student shall be fully informed of the case against him/her, of the date, time and place of the meeting, and that they may wish to consult the UVSS 0mbudsperson.

The FAAC, having heard from the student, shall then make the decision in a fair and unbiased manner. It may do any of the following:
- approve the recommendation for withdrawal
- deny the recommendation

Where it approves withdrawal, it shall inform the student of the right of an appeal to the associate dean of teacher education who shall make an independent decision.

If the student does not appeal after two weeks, the managers may forward the recommendation to the associate dean of teacher education.

Where the associate dean of teacher education denies the appeal he/she shall inform the student of the right of an appeal to the dean of the faculty.

Where the dean of the faculty denies the appeal he/she shall inform the student of the right of an appeal to the UVic senate.

9.3 Practica Regulations

9.3.1 General
Field experience, student teaching and seminars form an integral part of the elementary and secondary teacher education programs.

Students should be aware that all arrangements for field experience and student teaching are made through the Field Experience Office, located in the MacLaurin Building.

Through the Faculty of Education, the university reserves the right to approve any agency or school that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

While the university accepts a responsibility to provide a sufficient number of practicum opportunities to serve the needs of all registered students, a student may be required to withdraw from a practicum course if none of the available practicum agencies will accept the student, or the student refuses to accept the assigned placement.

Students must successfully complete all required course work before they will be allowed to undertake a practicum. Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the manager of field experience.

Students undertaking field experience must be prepared to travel. Extra expenses will be involved; students should budget accordingly.

9.3.2 Practica Dates
The dates of practica will be established for each program and will be announced to the students involved at the beginning of each term.

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

9.3.4 Unethical or Unprofessional Behaviour
Students should refer to the guidelines for Professional Conduct in 9.1.

Students in the Faculty of Education's teacher education programs are responsible for understanding the provisions of the BC School Act.

Students who are placed in schools for teaching practica are required to observe the Faculty of Education's Code of Professional Conduct as
well as the BC Teachers' Federation's (BCTF) Code of Ethics. A student may be required to withdraw from a practicum at any stage of the experience for violation of any part of these codes or upon a written order from the school principal or the board of school trustees of the district in which the student is placed.

Teachers or administrators who refuse a student's continued participation in a practicum for misconduct or repeated absences, or where the educational progress of the student is in jeopardy, must immediately discuss the matter with the manager of field experience. The manager will then either inform the student of the conditions under which he or she may resume participation in the practicum or require the student to withdraw from the practicum and inform the student in writing of the reason.

9.3.5 Practicum Denial and Withdrawal

Practicum Denial Preprofessional

a) Practicum Denial

Students will be denied the practicum experience if their preparation in required course work and/or practicum planning is deemed unsatisfactory by their instructor(s) and/or the manager of field experience.

b) Required Withdrawal

Students may be required to withdraw from the practicum with a failing grade if their performance in the practicum or their practicum preparation is considered unsatisfactory by one of: course instructor, mentor teacher, supervisor, or the manager of field experience.

c) Voluntary Withdrawal

Students seeking voluntary withdrawal during a practicum, whether permanent or temporary, must receive permission to do so from the manager of field experience. Their request must be in writing and contain the reasons for the request. Students whose performance is deemed unsatisfactory at the time of withdrawal will receive a failing grade.

9.3.6 Reassignment to a Practicum

Students who have withdrawn from a practicum for any reason who later wish to re-enter the practicum must apply in writing to the manager of field experience for reassignment. Please note that reassignment is not guaranteed.

A student who fails a practicum may be granted permission to re-take the practicum. If the student subsequently fails on the second attempt, he/she may be required to withdraw from the teacher education program and the Faculty of Education. A student will not normally be permitted to attempt the practicum a third time.

9.4 Limitations of Credit For Certificated Teachers

Applicants for admission or acceptance in a degree program who have completed basic professional training may be granted up to 18 units of credit for that professional training towards the Bachelor of Education degree. This is granted at the discretion of the manager of teacher education programs, in consultation with the departments or school of the faculty.

All accepted candidates are referred to the regulation concerning currency of course work at 7.6.

Teachers who have not taken any courses applicable to their programs in the last 10 years must submit the following for consideration:

1. a resume of all teaching experience including dates, locations and grade levels, and indicating whether full time, part time, or substitution. A resume of teaching experience form is available at the Education Advising Centre.
2. copies of the most recent superintendent's and/or principal's reports
3. letter(s) from principal(s) attesting to teaching effectiveness in substitution roles if applicable
4. a copy of their teaching certificate, as issued by the BC College of Teachers

9.5 Graduation Requirements for Bachelor of Education Degree Programs

Students should refer to the university regulations concerning graduation on page 39.

To be eligible for a Bachelor of Education degree, the candidate must normally have earned:
1. a passing grade in each of the courses in the degree program
2. 21 units of courses at the 300 and 400 levels*

Elementary Programs

Candidates having completed an elementary program must have a grade-point average of at least 4.0 on each session. Failed courses will be counted in computing the grade-point average.

Secondary Programs

Candidates having completed a secondary program must have a grade-point average of at least 4.0 in each of the teaching areas and a grade-point average of at least 3.0 on the work of the professional year. Failed courses will be counted in computing the grade-point average.

Candidates completing the Bachelor of Education Post Degree Professional Program (Secondary) must have a grade-point average of at least 3.0 on all course work taken subsequent to the professional year.

* In exceptional cases, when candidates do not include enough 300- or 400-level courses to satisfy 21 units in the degree, the dean may approve the inclusion of courses at the 700 level.

9.6 Teacher Certification

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

9.6.1 The BC College of Teachers (BCTC)

Current legislation requires that every person appointed or retained as a teacher in a public school in British Columbia be a member of the College of Teachers and hold a valid certificate of qualification issued by the college.

It is the responsibility of the teacher to make application to the Registrar of the College of Teachers for initial certification, or for a change in certification, and to provide all necessary documents.

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Credentials are issued only to qualified people who have established residence in British Columbia. Applicants who are otherwise eligible for certification but who are not Canadian citizens are required by the College of Teachers to provide evidence of landed immigrant status or to hold a valid work authorization to teach in Canada before they may be issued a BC teaching credential.

Persons convicted of a criminal offense and considering a teaching career should write to the BC College of Teachers for clarification of their status before undertaking a teacher education program.

9.6.2 The Teacher Qualification Service (TQS)

Salary categories for teachers are established by the Teacher Qualification Service upon application, and only when a BC teaching credential has already been granted by the College of Teachers. Categories are assigned on the basis of completed years of academic and professional preparation. Partial years are not considered.

9.6.3 Applications and Documentation

Application forms for the College of Teachers and the Teacher Qualification Service are available from Undergraduate Records or from the Field Experience Office, as well as directly from the agencies.

Transcripts in support of applications to these bodies should be ordered on the report application card available from Undergraduate Records, the Education Advising Centre or the Field Experience Office.

10.0 Bachelor of Education (Elementary Curriculum)

10.1 General Information

This five-year elementary degree program provides course work and practicum experience designed to produce a well-qualified elementary school teacher. The program has been designed as a co-ordinated, sequenced balance of course work and integrated school observational and practica experiences. In addition to school visits, there are three practica: three weeks in year three; five in year four; and eight in year five.

Students are eligible for a professional teaching certificate and the Bachelor of Education (BED) degree upon successful completion of this program.

10.1.1 Off-Campus Programs

East Kootenay Elementary Teacher Education Program

The Bachelor of Education (Elementary Curriculum) degree program is also offered at the College of the Rockies in Cranbrook, BC. Consult an adviser in the Education Advising Centre for more information.

Aboriginal Language and Culture

This Bachelor of Education (Elementary Curriculum) degree program is also offered with an Aboriginal Language and Culture focus in a va-
10.2 Program Admission

Initial admission to the Bachelor of Education (Elementary Curriculum) degree program may be granted only after completion of at least two years of university-level studies acceptable to the Faculty of Education.

10.2.1 Admission Requirements

The requirements for admission to the elementary program are:

1. admissibility to the university
2. at least 30 units of credit that include:
   a. 3.0 units of approved English
   b. 3.0 units of approved Canadian studies
   c. 3.0 units of approved laboratory science
   d. 3.0 units of approved mathematics with a minimum grade-point average of 3.0 (C+)
   e. 3.0 units of approved introductory academic elective
   f. MATH 360
   g. One of EDCI 371, 372 or 373; EDCI 373 is strongly recommended
   h. 12.0 units of approved senior academic elective
3. demonstrated competency in written English (see 8.1)
4. a sessional grade-point average of at least 4.0 (B-) on the most recent session and, if that session is less than 12 units, a grade-point average of at least 4.0 on the most recent 12 units. Grades for duplicate course work taken during the most recent session are not normally included.

Additional information about the admission requirements, years one and two, can be found at 10.3 (b) and online at <www.educ.uvic.ca>.

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.

1. Students unable to register in MATH 360 and/or EDCI 371, 372 or 373 in their second year should consult an academic adviser in the Education Advising Centre.

10.2.2 Application and Document Submission Deadlines

An application package is available online at <www.educ.uvic.ca> by mid-October. The application(s), applicable application fees, and all supporting documents must be received at Undergraduate Admissions and Records by January 31. Transcripts showing completion of coursework taken in the January to April period must be received by May 31.

10.2.3 Early Offers of Admission

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.

10.3 Elementary Program Formats

a) BEd Professional Degree Program

Students admitted to this program in 2004, 2005, and 2006 will follow this program format.

<table>
<thead>
<tr>
<th>Years One and Two</th>
</tr>
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<tbody>
<tr>
<td>(at UVic or another recognized post-secondary institution)</td>
</tr>
<tr>
<td>Two of ENGL 115 or 135, ENGL 125, 145 (or other approved English)</td>
</tr>
<tr>
<td>Approved Canadian Studies (HIST 130 or other approved course)</td>
</tr>
<tr>
<td>MATH 160A and 160B (or other approved mathematics)*</td>
</tr>
<tr>
<td>Approved Laboratory Science</td>
</tr>
<tr>
<td>Approved Electives</td>
</tr>
<tr>
<td>Approved Academic Elective(s)*</td>
</tr>
<tr>
<td>Total</td>
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</table>

<table>
<thead>
<tr>
<th>Year Three</th>
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<tbody>
<tr>
<td>ED-P 200 School Experience</td>
</tr>
<tr>
<td>ED-D 301 Learners and Learning Environments</td>
</tr>
<tr>
<td>EDCI 302 Literacy and Language in the Elementary School</td>
</tr>
<tr>
<td>EDCI 303 Historical and Philosophical Foundations of Canadian Education</td>
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<tr>
<td>PE 304 Physical Education for General Classroom Teachers</td>
</tr>
<tr>
<td>EDCI 306 Music in the Elementary Classroom</td>
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<td>Approved Senior Academic Electives (300- or 400-level)</td>
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<thead>
<tr>
<th>Year Four</th>
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<tbody>
<tr>
<td>EDCI 402 Reading: Instructional Principles and Strategies</td>
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<tr>
<td>EDCI 403 Curriculum and Instruction in Elementary Science</td>
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<tr>
<td>EDCI 404 Curriculum and Instruction in Elementary Social Studies</td>
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<tr>
<td>EDCI 405 Curriculum and Instruction in Elementary Mathematics</td>
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<tr>
<td>EDCI 406 Instructional Technology</td>
</tr>
<tr>
<td>EDCI 305 Drama Education: A Medium for Learning</td>
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<tr>
<td>EDCI 307 Art in the Elementary Classroom</td>
</tr>
<tr>
<td>ED-D 420 Learning Support: Context and Key Issues</td>
</tr>
<tr>
<td>EDCI 450 Community, Culture and Environment</td>
</tr>
<tr>
<td>EDCI 460 Contemporary Literacies and Creative Expression</td>
</tr>
<tr>
<td>ED-P 300A School Experience</td>
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<td>Total</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year Five</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-D 407 Evaluating and Reporting Student Progress</td>
</tr>
<tr>
<td>ED-D 408 Promoting Prosocial Behaviour</td>
</tr>
<tr>
<td>EDCI 409 Constructing Mathematical Understanding</td>
</tr>
<tr>
<td>EDCI 410 Teacher as Leader: The Professional Role</td>
</tr>
<tr>
<td>Strand Option (Choose 1 of 3 strands)</td>
</tr>
<tr>
<td>ED-P 400A or 400D School Experience</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

Eligible for PROFESSIONAL CERTIFICATE

| Total Units for Degree | 78.0 |

Notes:

1. Math courses more than 10 years old are not acceptable.
2. Courses in astronomy, biology, chemistry, earth and ocean sciences, and physics with an average of one and a half hour of lab time each week are normally acceptable. EOS 120 is strongly recommended. Courses completed more than 10 years prior to the year of application are not normally accepted. Human anatomy and physiology courses are not acceptable.
3. Choose from the following recommended courses: anthropology*, art, biology, chemistry, computer science, earth and ocean sciences, English, Greek and Roman Studies*, French, geography, history, kinesiology/physical education*, linguistics*, mathematics, music, physics, sociology*, theatre*, visual arts.
4. A 200-, 300- or 400-level course taken in an approved academic discipline (see Note 3), after 3.0 units of introductory course work in that discipline have been completed. 15.0 units of approved senior academic electives are required for the degree. No more than 6.0 units may be taken in any one discipline marked *(see Note 3).

Strand Options

Learning Support (6 units)

| ED-D 421 (1.5) | Recognition and Analysis of Learning Needs |
| EDCI 424A and 424B (3.0) | Adaptation of Curriculum and Instructional Strategies |
| ED-D 422 (1.5) | Management and Adaptation of the Classroom Environment |

Community, Culture and Environment (6 units)

<table>
<thead>
<tr>
<th>EDCI 451 (1.5)</th>
<th>Community and Culture</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 452 (1.5)</td>
<td>Cultural Studies in Education</td>
</tr>
<tr>
<td>EDCI 453 (1.5)</td>
<td>Ecology for Teachers</td>
</tr>
<tr>
<td>EDCI 454 (1.5)</td>
<td>Environmental Education</td>
</tr>
<tr>
<td>EPHE 435 (1.5)</td>
<td>Cultural and Outdoor Physical Activity</td>
</tr>
<tr>
<td>EDCI 455 (1.5)</td>
<td>Evolution of Educational Ideas</td>
</tr>
</tbody>
</table>
EDCI 456 (1.5) Community Development Project
EDCI 457 (1.5) English as a Second Language
Contemporary Literacies and Creative Expression
(6 units)
EDCI 470 (1.5) Literacies and Expression: Professional Integration
and three of
EDCI 461 (1.5) Language for Higher Thought
EDCI 462 (1.5) Creative Thought and Expression Through Music
EDCI 463 (1.5) Visual Thinking
EDCI 464 (1.5) Learning Through Drama
EPHE 439 (1.5) Creative Movement
EDCI 465 (1.5) The Art of Mathematics
EDCI 466 (1.5) Scientific and Technological Literacy
EDCI 469 (1.5) Teaching Oral French

b) BEd Professional Degree Program (revised for 2007)

Students admitted to this program after 2006 will follow this program format. Some modifications may be required for students admitted in 2007, 2008, and 2009.

Year One
(at UVic or another recognized post-secondary institution)
Approved English: Two of ENGL 115 or 135, ENGL 125, 145 .............................................3.0
Approved Canadian Studies HIST 130 or HIST 131 and 132 .............................................3.0
Approved Mathematics: MATH 160A and 160B .................................................................3.0
Approved Laboratory Science4 ..................................................3.0
Approved Introductory Academic Electives5 ........................................3.0
Total ........................................................................15.0

Year Two
Approved Senior Mathematics: MATH 3606 ........................................1.5
Approved Senior Aboriginal Studies7 ..............................................1.5
Approved Senior Academic Electives8 ........................................12.0
Total ........................................................................15.0

Year Three
ED-D 301 Learners and Learning Environments .........................................................1.5
ED-P 250 Elementary Field Experience Seminar .....................................................1.5
ED-P 251 Three-Week Practicum .................................................................1.5
EDCI 302 Literacy and Language in the Elementary School ......................................1.5
EDCI 303 Historical & Philosophical Foundations of Canadian Education ..........1.5
EDCI 305A Drama Education: A Medium for Learning .........................................1.5
EDCI 306A Music in the Elementary Classroom .....................................................1.5
EDCI 307A Art in the Elementary Classroom ...........................................................1.5
EDCI 336 Information and Communication Technologies in Education ................1.5
EPHE 310 Physical Education for General Classroom Teachers (A) ......................1.5
EPHE 311 Physical Education for General Classroom Teachers (B) .....................1.5
Total........................................................................16.5

Year Four
ED-D 407 Evaluating and Reporting Student Progress ...........................................1.5
ED-D 408 Promoting Prosocial Behaviour .................................................................1.5
ED-D 420 Learning Support: Context and Key Issues ..............................................1.5
ED-P 350 Elementary Field Experience Seminar .....................................................1.5
ED-P 351 Five-Week Elementary Practicum ...............................................................1.5
One of EDCI 305B, 306B or 307B .................................................................1.5
EDCI 402 Reading: Instructional Principles and Strategies ........................................1.5
EDCI 403 Curriculum and Instruction in Elementary Science ..................................1.5
EDCI 404 Curriculum and Instruction in Elementary Social Studies ......................1.5
EDCI 405 Curriculum and Instruction in Elementary Mathematics .........................1.5
EDCI 457 English as a Second Language or EDCI 469 Teaching Oral French .........1.5
Total ........................................................................16.5

Year Five
ED-D 410 Teacher as Leader: The Professional Role .................................................1.5
ED-P 451 Eight-Week Elementary Practicum ...........................................................3.0
ED-P 490 Professional Development Inquiry Project ................................................1.5
Education Electives ........................................................................6.0
Total ........................................................................12.0

Eligible for PROFESSIONAL CERTIFICATE

Total Units for 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 hours each week, may also be accepted. Consult an academic adviser if you have completed laboratory science courses not listed here. Geography, human anatomy, kinesiology and 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 & 200 OR FREN (175 or 185) & 195 OR GEOG 101A & 101B OR GRS 100* or H A 120* or LING 100A & 100B* or PSYC 100A & 100B* or SOC 100 & 103*.
6. Students unable to enroll in MATH 360 in second year should consult an academic adviser in the Education Advising Centre.
7. EDCI 371 or 372 or 373; EDCI 373 is strongly recommended. Students unable to enroll in one of these courses in second year should consult an academic adviser in the Education Advising Centre.
8. This 200, 300 or 400-level course work 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 website at www.educ.uvic.ca or consult an adviser before selecting "senior" courses.

2008-09 UVIC CALENDAR

c) BEd Professional Degree Program - Aboriginal Language & Culture

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

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

Year One
Two of English (115 or 135), 125 or 145 (or other approved English) .............................3.0
EDCI 302 Literacy & Language in the Elementary School ..............................................1.0
ED-P 200 School Experience Seminar & 3-Week Practicum or ED-P 250 (School Experience) and 251 (Practicum) .................................3.0
LING 159 First Nations Language I ...........................................................................1.5
LING 159 First Nations Language II ........................................................................1.5
LING 359 First Nations Language III .......................................................................1.5
LING 359 First Nations Language III .......................................................................1.5
LING 359 First Nations Language III .......................................................................1.5
LING 359 First Nations Language III .......................................................................1.5
Total ..................................................................................14.5-16.5

Eligible for BC College of Teachers First Nations Language Certificate upon completion of all LING 159 and 359 courses.

Year Two
Approved Canadian Studies ...................................................................................1.5
EDCI 372 / IS 372 Aboriginal Ways of Knowing ............................................................1.5
ED-D 301 Learners & Learning Environments ...........................................................1.5
ED-D 408 Promoting Prosocial Behaviour ...................................................................1.5
LING 180 Language Revitalization Principles & Practice ...........................................3.0
LING 181 Introductory Linguistics for Language Revitalization ....................................1.5
LING 182 Language Learning & Teaching in Situations of Language Loss .................1.5
LING 401 Salish or LING 405 Wakashan .................................................................1.5
LING 461 Linguistic Field Methods ..............................................................................1.5
Total ..................................................................................15.0

Eligible for UVic’s Certificate in Aboriginal Language Revitalization upon completion of LING 180, 181, 182, 401/405, and 461.

Year Three
EDCI 305A Drama Education - A Medium for Learning ..........................................1.5
EDCI 371 / IS 371 The History of First Nations Education in Canada .................................1.5
EDCI 336 Information and Communication Technologies in Education ....................1.5
EDCI 487 Special Topics: Immersion Language Teaching ...........................................1.5
ED-P 350 Field Experience Seminar ...........................................................................1.5
ED-P 351 Five-Week Elementary Practicum ..............................................................1.5
IS 400 Special Topics Seminar in Indigenous Studies .......................................................1.5
LING 459 First Nations Language IV ........................................................................1.5
LING 459 First Nations Language IV ........................................................................1.5
Approved mathematics or approved elective1 ................................................................1.5
11.0 Bachelor of Education Post-Degree Professional Program (Elementary)

11.1 General Information

This second degree program provides course work and practicum experience designed to produce a well-qualified elementary school teacher. The program has been designed as a coordinated, sequenced balance of course work and integrated school observational and practical experiences. In addition to school visits, there is a five-week practicum at the end of the first year and an eight-week practicum in the final term.

The program is designed to be taken over four terms: two academic years or 16 months.

11.1.1 Off-Campus Program

Subject to enrolment, the Bachelor of Education Post-Degree Professional Program (Elementary) is also offered at the College of the Rockies in Cranbrook, BC.

The off-campus program is scheduled over two academic years. The 16-month option is not available.

Students interested in the East Kootenay Elementary Teacher Education Program should contact an advisor in the Education Advising Centre for more information.

11.2 Program Admission

Initial admission to the Bachelor of Education Post-Degree Professional Program (Elementary) may be granted only after completion of an undergraduate degree at an accredited university and 3.0 units of approved course work in each of English, Canadian studies, laboratory science and mathematics.

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

11.2.1 Admission Requirements

The requirements for admission to this program are:

1. admissibility to the university
2. a degree from an accredited university
3. 3.0 units of approved English
4. demonstrated competency in written English
5. 3.0 units of approved Canadian studies
6. 3.0 units of approved mathematics with a minimum grade-point average of 3.0 (C+)2
7. 3.0 units of approved laboratory science3
8. a sessional grade-point average of at least 4.0 (UVic B-) on the most recent session (if that session is less than 12 units, a grade-point average of at least 4.0 on the most recent 12 units) and on the most recent two years (30 units) attempted to December 31. Grades for duplicate course work are not normally included.

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

All requirements for admission must be completed by April 30 and documented by May 31. Students of exceptional ability who do not meet the stated admission requirements may appeal to the faculty appeals and adjudication committee (FAAC) for consideration. “Exceptional” may be considered in terms of high grade-point average, relevant work experience, or unique academic qualifications.

Maximum 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.

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 8.1.
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. Geopgraphy, human anatomy, kinesiology and physiology courses are not acceptable.
4. The teaching certificate (professional or standard) issued by the BC College of Teachers will be determined by the content of the applicant’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.

11.2.2 Application and Document Submission Deadlines

An application package is available online at <www.educ.uvic.ca> by mid-October. The application(s), applicable application fees and all supporting documents must be received at Undergraduate Admissions and Records by January 31. Transcripts showing completion of course work taken in the January to April period must be received by May 31.

11.2.3 Conditional Offers of Admission

Students offered admission prior to April 30 who do not meet the course work or whose grade-point average during the January to April term subsequently drops below the minimum will lose their eligibility and the offer will be withdrawn.

11.3 Program Format

BEd Post-Degree Professional Program (Elementary)

This program is designed to be taken over two academic years. An option is available to take the program over 16 months.

Year One

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-D 301</td>
<td>Learners and Learning Environments</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-P 360</td>
<td>Elementary Field Experience Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 302</td>
<td>Literacy and Language in the Elementary School</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 303</td>
<td>Historical and Philosophical Foundations of Canadian Education</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 336</td>
<td>Information and Communication Technologies in Education</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 373</td>
<td>TELENIWT and Aboriginal Education</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 403</td>
<td>Curriculum and Instruction in Elementary Science</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 405</td>
<td>Curriculum and Instruction in Elementary Mathematics</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 312</td>
<td>Overview of Elementary School Physical Education</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 409</td>
<td>Curriculum and Instruction in Physical Education</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 410</td>
<td>Five-Week Elementary Practicum</td>
<td>1.5</td>
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<tr>
<td>EDCI 490</td>
<td>Professional Development Inquiry Project</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 492</td>
<td>Reading: Instructional Principles and Strategies</td>
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<tr>
<td>EPHE 312</td>
<td>Overview of Elementary School Physical Education</td>
<td>1.5</td>
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<tr>
<td>EDCI 410</td>
<td>Five-Week Elementary Practicum</td>
<td>1.5</td>
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Total: 16.5

Year Two

(an option is available to take Year Two July - December)

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<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-D 407</td>
<td>Evaluating and Reporting Student Progress</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 408</td>
<td>Promoting Prosocial Behaviour</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 410</td>
<td>Teacher as Leader: The Professional Role</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 420</td>
<td>Learning Support: Context &amp; Key Issues</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-P 461</td>
<td>Eight-Week Elementary Practicum</td>
<td>3.0</td>
</tr>
<tr>
<td>ED-P 490</td>
<td>Professional Development Inquiry Project</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 402</td>
<td>Reading: Instructional Principles and Strategies</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 404</td>
<td>Curriculum and Instruction in Elementary Social Studies</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total: 13.5

Eligible for CERTIFICATION and DEGREE Total Units for Degree: 30.0
12.0 Bachelor of Education (Secondary Curriculum)

12.1 General Information
This is a five-year program for students who wish to teach art, music or physical education in a secondary school.

Students preparing to teach art may enter this program in year two or may first complete a degree in visual arts before applying for the Bachelor of Education Post-Degree Professional Program (Secondary). Refer to 13.0 for information about the secondary PDPP.

Students preparing to teach music may enter this program in year two or may first complete a music degree before entering a teacher education program. Students preparing to teach music normally complete the Bachelor of Music (Secondary Music Education) degree within the Faculty of Fine Arts before applying for the secondary PDPP. Refer to 13.0 for information about the secondary PDPP and to page 108 for information about the Bachelor of Music degree.

Students preparing to teach physical education may enter this program in year two. This is the only program available to prospective secondary physical education teachers.

Those who wish to teach other subjects will take a degree in another faculty and apply for the Bachelor of Education Post-Degree Professional Program (Secondary). Information about the secondary PDPP can be found at 13.0.

12.1.1 Program Details
The first four years of the program are mainly concerned with academic preparation in the teaching subjects. The fifth year, professional year, prepares students for teaching these subjects.

Teaching Areas
Art
Students may take art as a single teaching area (expanded art) or in combination with another approved teaching area.

Music
Students may take music as a single teaching area (music expanded) or may take choral music or instrumental music in combination with another approved teaching area.

Physical Education
Physical education must be taken in combination with an approved second teaching area. Neither German nor theatre/drama in education may be taken in combination with physical education.

Students are eligible for a professional teaching certificate and the BEd degree upon successful completion of this program.

12.2 Program Admission
Initial admission to this program may be granted only after completion of at least one year of university-level studies acceptable to the Faculty of Education and acceptance into at least one of the teaching areas of art, music or physical education.

12.2.1 Admission Requirements
Art Teaching Area
The requirements for admission to the secondary program with an art teaching area are:
1. admissibility to the university
2. at least 12 units of credit that include
   a. 3.0 units from ENGL 115 or 135, 125, 145
   b. AE 103 with a minimum grade point of 5.0 (UVic B)
3. a sessional grade-point average of at least 3.0 on the most recent session and, if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units.
4. Approval of the Department of Curriculum and Instruction

Music Teaching Area
The requirements for admission to the secondary program with a music teaching area are:
1. admissibility to the university
2. at least 12 units of credit that include
   a. 3.0 units from ENGL 115 or 135, 125, 145
   b. ME 101 with a minimum grade point of 5.0 (UVic B)
3. a sessional grade-point average of at least 3.0 on the most recent session and, if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units.
4. Approval of the Department of Curriculum and Instruction

Physical Education Teaching Area
The requirements for admission to the secondary program with a physical education teaching area are:
1. admissibility to the university
2. at least 12 units of credit that include
   a. 3.0 units from ENGL 115 or 135, 125, 145
   b. EPHE 141
   c. EPHE 143
3. a sessional grade-point average of at least 3.0 on the most recent session and, if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units.
4. Approval of the School of Exercise Science, Physical and Health Education

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

Maximum enrollments have been established for each of the teaching areas of art, music or physical education; therefore, the faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible, but final acceptance may not be until mid-June. Students are selected for entry into the program for the following September.

12.2.2 Application and Document Submission Deadlines
New UVic applicants will apply online using the University of Victoria Undergraduate Admissions Application. The application must be submitted to Undergraduate Admissions no later than January 31.

Continuing and returning UVic applicants will apply online using the Undergraduate Re-registration Application. This application must be submitted to Undergraduate Records no later than January 31.

Students applying for a physical education teaching area should also refer to the School of Exercise Science, Physical and Health Education’s website for application instructions. <http://www.educ.uvic.ca/phed/>

12.3 Bachelor of Education (Secondary Curriculum) Degree Requirements
The following requirements must be completed to qualify for the degree.

• 21 units of required education course work that include
  - ED-D 401
  - ED-D 406
  - ED-P 498
• 6 units of required course work from social science, science, humanities and fine arts that include two of English 115 or 135, 125, 145
• at least 37.5 units of course work required for the teaching areas including prerequisites and corequisites
  - up to 10.5 units of elective
Total units required for the degree .............75.0

12.4 Minimum Grade-Point Average Required for Teaching Area Courses

Art and Music
Students must maintain a 5.0 grade-point average on all upper-level art and art education, or music and music education, courses required for the teaching areas of art and music. Students whose GPA falls below the required minimum will have their academic performance reviewed by the Department of Curriculum and Instruction. Students may be given a trial period to reach a specified GPA and, if unsuccessful, be required to withdraw from the teaching area.

Physical Education
Students should refer to professional year admission.

12.5 Secondary Program Format
Students normally attend this program over five winter sessions. The first year may be taken at UVic in another faculty or at another post-secondary institution. Students planning to take course work elsewhere should consult an adviser in the Education Advising Centre to ensure that courses taken will carry credit to this program.

Years One to Four
During the first four years, students will take course work related to their teaching areas. Students will also take a two-week school-based practicum.

Year Five Professional Year
Starting in September, students will take courses on-campus that are directly related to their professional preparation. Normally, all courses required for this year are taken as a co-ordinated program during one full winter session. Because of the professional involvement off-campus during this year, students are not normally permit-
FACULTY OF EDUCATION

12.5.1 Professional Year Admission Requirements

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

1. All courses specified for years one through four of the program, with the exception of electives, must be complete.

2. Candidates presenting a second language teaching area must pass an oral competency examination.

3. Successful completion of the faculty's written English competency requirement. Students should refer to 8.1.4.

4. The candidate must have obtained either:
   - a grade-point average of at least 4.0 (Uvic B+) on the upper-level courses of each of the two teaching areas, including prerequisites and corequisites (Note: where fewer than 9 units of upper-level work has been completed in any one area, the grade-point average will be calculated on the upper-level courses plus one or more of the 200-level courses in that area, to a total of 9 units); or
   - a grade-point average of at least 4.0 (Uvic B+) on the upper-level courses of any single expanded teaching area (Note: where fewer than 18 units of upper-level work have been completed in the area, the calculation will include area courses at the 200-level to a total of 18 units) and if the area is music expanded, a grade-point average of at least 4.0 is required on the 7.5 units of other area work.

5. A grade-point average of at least 3.0 (Uvic C+) must have been obtained on:
   - the most recently completed session; and
   - the most recent two years of at least 30 units

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

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

Details regarding start and end dates are available on the Faculty of Education's website at <www.educ.uvic.ca>.

Application and Document Submission Deadlines (Professional Year)

An application is available online at <www.educ.uvic.ca> normally by the end of August. The application must be completed and submitted to Undergraduate Records no later than December 31.

Students taking course work elsewhere during the September to December term must submit official transcripts, showing final grades to December 31, to Undergraduate Records no later than January 31. Students taking course work elsewhere during the January to April term must submit official transcripts, showing final grades to April 30, to Undergraduate Records no later than May 31.

12.5.2 Program Requirements

ENGL 115 or 135, 125, 145 ...........................................3.0
ED-D 401 .................................................................1.5
ED-D 406 .................................................................1.5
ED-P 498 .................................................................1.5
Approved academic elective .................................3.0
Teaching area(s) and electives.................................48.0
Professional year (year five) .....................................15.0

Total units for degree .................................................75.0

Art

Students choosing to combine art with a second teaching area will take the 21.0 units of course work listed below; at least 16.5 - 27.0 units of course work for a second teaching area as specified; and 0 – 10.5 units of elective.

Corequisite:

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

Courses chosen from: AE 205, 208, 305, 306, 307, 308, 310, 316, 317, 319, 401, any 402 ..................................................6.0 or 7.5

Expanded Art

Students choosing to take art as a single teaching area will take the 37.5 units of course work listed below and 10.5 units of elective.

Corequisite:

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

Area:

AE 103 ......................................................................3.0
AE 201 ......................................................................1.5
AE 201 ......................................................................1.5
AE 303 or 309 .............................................................3.0 or 1.5
AE 315 ......................................................................1.5
AE 316 or 317 .............................................................1.5

Courses chosen from: AE 205, 208, 305, 306, 307, 308, 310, 316, 317, 319, 401, any 402 ..................................................6.0 or 7.5

Music (Choral)

Students choosing choral music will take the 29.5 units of course work listed below; at least 16.5 – 18.5 units of course work for a second teaching area as specified; and 0 – 1.5 units of elective. Note that several of the approved teaching areas require more than 18.5 units of course work.

Area:

ME 101 ......................................................................1.5
ME 201 ......................................................................1.5
ME 207 ......................................................................1.5
ME 209A ....................................................................1.5
ME 209B ....................................................................1.5
ME 303A or 308 .........................................................1.5
ME 307 ......................................................................1.5
ME 309A ....................................................................1.0
ME 309B ....................................................................1.0
ME 407 ......................................................................1.5
ME 409 ......................................................................1.5
MUS 101A, 101B, 170A, 170B ....................................4.0
MUS 120A and one of 120B, 220A, 220B ....................3.0
MUS 356A and 356B ....................................................3.0
Four of MUS 180, 280, 380, 480, 181, 281, 381, 481; MUS 188, 288, 388, 488 ..............................................4.0

Music (Instrumental)

Students choosing instrumental music will take the 29.5 units of course work listed below; at least 16.5 – 18.5 units of course work for a second teaching area as specified; and 0 – 1.5 units of elective. Note that several of the approved teaching areas require more than 18.5 units of course work.

Area:

ME 101 ......................................................................1.5
ME 201 ......................................................................1.5
ME 207 ......................................................................1.5
ME 209A ....................................................................1.5
ME 209B ....................................................................1.5
ME 307 ......................................................................1.5
ME 309A ....................................................................1.0
ME 309B ....................................................................1.0
ME 407 ......................................................................1.5
ME 409 ......................................................................1.5
MUS 101A, 101B, 170A, 170B ....................................4.0
Three of MUS 331, 332, 333 ........................................4.5
MUS 356A and 356B ....................................................3.0
Four of MUS 180, 280, 380, 480; ME 180 ..................4.0

(at least two units must be ME 180)
Music (Expanded)

Students choosing to take music as a single teaching area will take 36.5 units of music and music education course work listed below; 7.5 units of course work from an approved second teaching area; and 4.0 units of elective.

Area:
- ME 101 .........................................................1.5
- ME 201 ............................................................1.5
- ME 207 ............................................................1.5
- ME 209 ............................................................1.5
- ME 209B ..........................................................1.5
- ME 307 ...........................................................1.5
- ME 309A ..........................................................1.0
- ME 309B ..........................................................1.0
- ME 407 ...........................................................1.5
- ME 409 ...........................................................1.5
- MUS 101A, 101B, 170A, 170B ........................4.0
- MUS 120A and one of 120B, 220A, 220B ........3.0
- MUS 201A and 201B ........................................3.0
- MUS 270A and 270B .......................................1.0
- MUS 331 ........................................................1.5
- MUS 332 ........................................................1.5
- MUS 333 ........................................................1.5
- MUS 356A and 356B ......................................3.0
- Four of MUS 180, 280, 380, 480; ME 180 (at least two units must be ME 180) ..........4.0

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

Physical Education**

Students choosing a physical education teaching area must combine it with a second approved teaching area. This teaching area may not be combined with German or theatre. Students will take the 27.0 units of EPHE course work listed here; at least 16.5 – 21.0 units of course work for a second teaching area as specified; and 0 – 4.5 units of elective. Note that two of the approved teaching areas require more than 21.0 units of course work.

Area:
- EPHE 106, 107, 120 and 122 ...........................2.0
- One of EPHE 109 or 114 .....................................0.5
- One of EPHE 116 or 117 .....................................0.5
- One of EPHE 121, 123, 124, 125 .......................0.5
- Two of EPHE 113, 119, 126, 134, 135 ...............1.0
- Two courses from EPHE 104-136* .....................1.0
- EPHE 141 .........................................................1.5
- EPHE 143 .........................................................1.5
- EPHE 241B ......................................................1.5
- EPHE 245 .........................................................1.5
- EPHE 246 .........................................................1.5
- EPHE 341 ........................................................1.5
- EPHE 344 ........................................................1.5
- EPHE 346 ........................................................1.5
- EPHE 352 ........................................................1.5
- EPHE 360 ........................................................1.5
- EPHE 361 ........................................................1.5
- EPHE 443 ........................................................1.5
- EPHE 452 ........................................................1.5
- One of EPHE 461 A-M .......................................0.5
- One of EPHE 342, 347, 351, 355, 357, 441, 445, 449, 455 ......................................................1.5
- * Students must possess their Bronze Medallion Certificate or take EPHE 105.
- ** Students should note that each skill performance and analysis course (EPHE 104-136) is scheduled for 24 hours of instruction. Students should also refer to Credit for Skill Performance and Analysis Courses.

Approved Teaching Areas (Secondary)
The teaching areas must be taken in conjunction with art, music or physical education.

Art

Restricted admission; see section 12.2. The course work required for this teaching area is listed at the beginning of this section (12.5.2).

Biological Sciences

This teaching area requires 7.5 units of corequisite course work and 15.0 units of area course work for a total of 22.5 units.

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

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

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

Chemistry

This teaching area requires 3.0 units of corequisite course work and 15.0 units of area course work for a total of 18.0 units.

Corequisites:
- MATH 100 .........................................................1.5
- MATH 101 .........................................................1.5

Area:
- CHEM 101 ........................................................1.5
- CHEM 102 ........................................................1.5
- CHEM 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
- * MATH 280 is prerequisite to some upper-level courses.

English

This teaching area requires 1.5 units of corequisite course work and 15.0 units of area course work for a total of 16.5 units.

Corequisites:
- One of ED-D 423, EDCI 338, 350, 353A, 353B, ENGL 413, HA 312, WRIT 330* .....................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, 455, 456, 457, 458, 459 .........................3.0
- * or another course approved by the English language arts adviser.

French

This teaching area requires 16.5 units of course work.

Area:
- FREN 175 or 185 .............................................1.5
- FREN 195 ........................................................1.5
- FREN 220 ........................................................1.5
- FREN 268 ........................................................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

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

Depending on student’s background in French, additional courses may be required to meet the departmental prerequisites.

Students should note that an oral competency examination in French (or completion of FREN 350 with a minimum grade of A-) is required before admission to the professional year. This exam must be completed to the satisfaction of the Faculty of Education, or admission to professional year will be denied.

Geography

see Social Studies (Geography Emphasis)

German

This teaching area requires 3.0 units of corequisite course work and 15.0 units of area course work for a total of 18.0 units. This area may NOT be taken in combination with physical education.

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

Students should note that an oral competency examination in German is required before admission to the professional year. This exam must be completed to the satisfaction of the Faculty of Education, or admission to professional year will be denied.
### Social Studies (with History Emphasis)

Upper-level work chosen from any of the following: anthropology, economics, Greek and Roman studies (classics), history, medieval studies, Native studies, Pacific and Asian studies, political science, sociology, urban studies, and/or women's studies.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A and 101B</td>
<td>3.0</td>
</tr>
<tr>
<td>Lower-level history</td>
<td>6.0</td>
</tr>
<tr>
<td>Upper-level history</td>
<td>6.0</td>
</tr>
</tbody>
</table>

**Corequisite:**

- Canadian history (lower or upper level) 3.0
- Upper-level work chosen from any of the following: anthropology, economics, geography, Greek and Roman studies (classics), history, medieval studies, Native studies, Pacific and Asian studies, political science, sociology, urban studies, and/or women's studies.

Note: Students are urged to seek advice from the secondary science adviser.

**Area:**

15.0 units of area course work required for this teaching area is listed at the beginning of this section.

**Restricted admission:** see section 10.2. The course work required for this teaching area is listed at the beginning of this section (12.5.2).

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### Theatre/Drama in Education

Upper-level work chosen from any of the following: anthropology, economics, geography, Greek and Roman studies (classics), history, medieval studies, Native studies, Pacific and Asian studies, political science, sociology, urban studies, and/or women's studies.

**Corequisite:**

- Canadian history (lower or upper level) 3.0
- Upper-level work chosen from any of the following: anthropology, economics, geography, Greek and Roman studies (classics), history, medieval studies, Native studies, Pacific and Asian studies, political science, sociology, urban studies, and/or women's studies.

Note: This area must include at least 3 units Canadian history.

**Area:**

- Canadian history (lower or upper level) 3.0
- Upper-level work chosen from any of the following: anthropology, economics, geography, Greek and Roman studies (classics), history, medieval studies, Native studies, Pacific and Asian studies, political science, sociology, urban studies, and/or women's studies.

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

This 30-unit program is designed for degree holders who wish to teach the following subjects in a secondary school: art, biology, chemistry, English, French, general science, German*, Japanese*, Mandarin*, mathematics, music, physics, Russian*, social studies (geography or history emphasis), Spanish*, theatre*.

*only one of these teaching areas may be selected and must be taken in combination with a second approved teaching area.

Students are eligible for a BC teaching certificate upon successful completion of the first three terms (10 months). An additional 9.0 – 10.5 units of course work are required for the Bachelor of Education degree.

**13.1 General Information**

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 with a 3.0 average (C+) overall is necessary to qualify for certification.

**13.2 Program Admission**

Initial admission to the secondary post-degree professional program may be granted only after completion of an undergraduate degree and academic preparation in two teaching concentrations or in one teaching major.

Additional information about the admission requirements can be found online at [www.educ.ubc.ca](http://www.educ.ubc.ca).

There is a quota on each of the teaching subject areas of this program.

**13.2.1 Admission Requirements**

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

1. a degree from an accredited university
2. a sessional grade-point average of at least 3.0 on the most recent session, and if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units, and on the most recent two years (30 units) (to December 31)
3. three units of approved English
4. demonstration of written English competency; for full information see 8.1.
5. academic preparation in two teaching concentrations or in one teaching major listed below.

**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 languages other than French are not available as teaching majors.

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 second science adviser. Specific requirements for each teaching area may be found on the Faculty of Education’s website at <www.educ.uvic.ca> 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 366 and 366C, or 366D and 366E
3. 3 units from ENGL 448, 450, 451, 452, 453, 455, 456, 457, 458, 459
5. 3 units from ENGL 430, 433A, 435B, or 1.5 units from ENGL 350, 353A, 353B and 1.5 units from ED-D 423, ENGL 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 70.

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 single teaching 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 Anthropology, Economics, Greek and Roman Studies (Classics), History, Medieval Studies, Native Studies, Pacific and Asian Studies, Political Science, Sociology, Urban Studies and/or Women’s Studies.

  History Emphasis
  • 3 units upper-level European history
  • 9 units upper-level history
  • 3 units upper-level work chosen from Anthropology, Economics, Geography, Greek and Roman Studies (Classics), Medieval Studies, Native Studies, Pacific and Asian Studies, Political Science, Sociology, Urban Studies and/or Women’s Studies.

- Concentration: a concentration in social studies must include one of the following:

  Geography emphasis
  • 3 units of introductory geography
  • 6 units of upper-level work in geography
  • 3 units of Canadian history
  • 3 units of upper-level work in any of the following: Anthropology, Economics, Greek and Roman Studies (Classics), Medieval Studies, Native Studies, Pacific and Asian Studies, Political Science, Sociology, Urban Studies and/or Women’s Studies.

  History emphasis
  • 3 units of introductory geography
  • 3 units of Canadian history
  • 6 units of upper-level work in history
  • 3 units of upper-level work in any of the following: Anthropology, Economics, Geography, Greek and Roman Studies (Classics), Medieval Studies, Native Studies, Pacific and Asian Studies, Political Science, Sociology, Urban Studies and/or Women’s Studies.

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, ED-D 487 (theatre, drama) and ED-D 464 or 2 of ED-D 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.

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.
Normally, students take 15 to 23 units of senior level course work during the professional year, depending on their program option and teaching areas. A further 7 – 15 units of additional course work will complete the BEd degree.

Students wishing to complete the requirements for the Bachelor of Education degree should consult an adviser in the Education Advising Centre.

## 14.0 Diploma Programs

### 14.1 Diploma in Career and Personal Planning

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

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

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

### Diploma Courses

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

### Required Courses (12.0 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-D 444</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 46A</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 46B</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 47</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 48</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 444 or ED-D 433 AND 434</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total**

12.0

### Approved Electives (3.0 units)

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

**Total units for diploma**

15

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

### 14.2 Diploma in Educational Technology

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

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

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

#### Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 336</td>
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</tr>
<tr>
<td>EDCI 337</td>
<td>1.5</td>
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<tr>
<td>EDCI 338</td>
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<tr>
<td>EDCI 339</td>
<td>1.5</td>
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<tr>
<td>ED-D 338</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 437</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 480</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total**

12.0

### 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, English as a second language (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.

### 14.3 Diploma in Intercultural Education and Training

This is an 18.0 unit interdisciplinary program for students and professionals working or planning to work in a multicultural or cross-cultural environment. Students should refer to page 222 for more information. Students should consult the Division of Continuing Studies regarding program details and regulations. Information is also available online at <www.uvcs.uvic.ca/iet>.
15.0 School of Exercise Science, Physical and Health Education

For information about the five-year Bachelor of Education secondary physical education teaching programs, please refer to 12.0.

15.1 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.

The School of Exercise Science, Physical and Health Education accepts approximately 30 students each year into the BA Recreation and Health Education Major program.

Students transferring from college and universities should complete an Application for Admission form available from Undergraduate Admissions or online at <www.registrar.uvic.ca/undergrad>. Reregistering UVic students may download, print and complete an Application to admission form available on the School's website: <www.educ.uvic.ca/phed/selpros.htm>. Students are selected for entry into the program for the following September.

The deadline for receipt of application forms is January 31. New student applications must be sent to Admission Services. Reregistering UVic student applications must be sent to Records Services.

Applications will be considered from those who meet the following:
1. at least 12 units of credit, including 3 units of English
2. an interview by the School of Exercise Science, Physical and Health Education
3. academic preparation which includes the following:
   - EPHE 143 (1.5)
   - a minimum Grade Point Average of 4.0 (on a 9-point scale) on the most recent session.

   For students currently registered in less than 12 units, the GPA will be determined by using a combination of the GPA achieved in the current session and the GPA from the previous session applied to the number of units required to reach the 12 unit minimum. Achieving the minimum GPA for the program does not ensure acceptance.

   All students should follow the academic guidelines described in section 15.1.1. With a high grade point average, applicants to the co-op program in Recreation and Health Education may be provisionally admitted into a Co-operative Education work term prior to formal admission into the RHED program. Such students, with authorization from the Office of the Executive Director, Co-operative Education, may undertake a first co-op work term. In such cases, the co-op work term will be recorded on the transcript as COOP 001 and, if successfully completed, will be accepted as one of the required work terms for the student's co-op program. Subsequent work terms must be done as part of the Recreation and Health Education program. Authorization to take a co-op work term does not guarantee admission to the School of Exercise Science, Physical and Health Education.

   In order to continue in this program, a Grade Point Average of at least 3.5 is required in every session attended. If a student is on probation, then no units of credit will be allowed during the work term. Students are reminded of their responsibility to maintain the minimum academic performance required by the Faculty of Education (see Section 7.5.2). Students with a GPA below 3.0 in an academic term will not be eligible to participate in the next scheduled co-op work term.

   Students must complete four work terms (each of a minimum duration of 13 weeks). Each work term is noted on the student's academic record (grading: COM, N or F). A student who does not complete a work term satisfactorily will normally be required to withdraw from the program, but the Recreation and Health Education Committee may, upon review, authorize a further work term.

   Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university-level credit courses while on a work term. Under extraordinary circumstances, students may submit, in writing to the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education, a request to register in a maximum of 1.5 units of university level course credit. Students should not expect to complete all their work terms in the summer months, nor should they expect to complete their program on a work term or series of work terms.

   Students must sign a current Terms and Conditions document as provided by the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education in order to be eligible to participate in the placement process.

   Participation in EPHE 200 Co-op Seminar is a mandatory requirement for all School of Exercise Science, Physical and Health Education co-op students. This course is a co-requisite for students participating in the placement process prior to their first work term. EPHE 200 is offered in the September to December academic term. Students will be provided more information regarding the content and requirements for completion of this seminar upon admission to the RHED program.

   Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the School of Exercise Science, Physical and Health Education is under no obligation to guarantee placement. Students are only permitted to decline one valid co-op job offer, any more than that and they will be deemed ineligible to participate in the placement process for the remainder of that term. Students should be prepared to spend at least one work term outside the Greater Victoria area.

   The Co-op Program Coordinator, School of Exercise Science, Physical and Health Education oversees the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section of the calendar. Students may not withdraw from a placement without approval from the Co-op Coordinator. Failure to obtain permission will result in the student receiving a grade of F on the work term.

   Students must be officially registered for the work term by completing the Work Term Registration Form, which is provided by the School of Exercise Science, Physical and Health Education Co-op office, and provide any other required documentation prior to the start of the work term. A Co-op Program Fee, which is non-refundable, is due in the first month of each work term and is subject to the University's general fee regulations.

   Ethical and Professional Behaviour:
   While on co-operative education work terms students are responsible for acting in an ethical and professional manner.

   Attendance:
   While on cooperative education work terms students are expected to have regular attendance, be punctual at the work place and to notify their co-operative education coordinator whenever work term requirements cannot be kept.

   Denial of co-operative education placement:
   Students will be denied a co-operative education placement if their preparation in required course work and/or EPHE 200 is deemed unsatisfactory by their instructor(s) and/or the Director of the School of Exercise Science, Physical and Health Education.

   Withdrawal from co-operative education placement:
   Students may be required to withdraw from the co-operative education placement with a failing grade if their performance in the workplace or their workplace preparation is considered unsatisfactory by the work site supervisor, co-operative education coordinator and the academic program coordinator.

   Voluntary Placement Withdrawal:
   Students seeking voluntary withdrawal during a placement must receive permission to do so from the co-operative education coordinator and program coordinator. Their request must be in writing and contain the reasons for the request.
Students whose performance is deemed unsatisfactory at the time of withdrawal will receive a failing grade.

The performance of students in the Recreation and Health Education Co-operative Program will be reviewed after each campus term and each work term. Students whose performance is deemed unsatisfactory by the Recreation and Health Education Committee will be so informed and will be advised by the Committee of the conditions they are to satisfy in order to remain in the program.

15.1.1 Recommended Sequence of Courses

**Year One**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Humanities, Science, or Social Sciences)</td>
<td></td>
</tr>
<tr>
<td>CSC 100 or 110</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of ENGL 115, 125, 135, or 145</td>
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</tr>
<tr>
<td>EPHE 141</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 142</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 143</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 100A and B</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 100</td>
<td>1.5</td>
</tr>
<tr>
<td>One elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
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</table>

**Year Two**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>EPHE 241B</td>
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</tr>
<tr>
<td>EPHE 243</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 244</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 252</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 253</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 270</td>
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<td>Electives</td>
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**May-August:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Work Term I</td>
<td></td>
</tr>
<tr>
<td><strong>May-August:</strong></td>
<td><strong>Work Term IV</strong></td>
</tr>
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</table>

**Year Three**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>One of EPHE 104-136</td>
<td>0.5</td>
</tr>
<tr>
<td>EPHE 351</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 354A</td>
<td>1.5</td>
</tr>
<tr>
<td>EPHE 360</td>
<td>1.5</td>
</tr>
<tr>
<td>One Elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.5</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>January-April:</td>
<td></td>
</tr>
<tr>
<td>Work Term II</td>
<td></td>
</tr>
<tr>
<td><strong>May-August:</strong></td>
<td><strong>Work Term IV</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>September-December:</td>
<td></td>
</tr>
<tr>
<td>Two ADMN (approved by Adviser)</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of EPHE 104-136</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7.0</strong></td>
</tr>
</tbody>
</table>

15.1.2 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.

15.2 Bachelor of Science BSc (Kinesiology)

The School of Exercise Science, Physical and Health Education offers Major programs in the area of Kinesiology, which include the option of studying under a co-operative education model. An Honours degree is also available to those students seeking research experience. The Major program requires a degree of specialization in the last two years of study. This degree may permit students to proceed to a professional position in the various fields associated with Kinesiology, or to proceed towards graduate study, or medical or paramedical studies (including chiropractic, physiotherapy, occupational therapy). Students should note that many of the course requirements of the BSc degree have secondary school prerequisites, including a minimum of Biology 11, Chemistry 11 (Chemistry 12 recommended), Math 12 and Physics 11 (Physics 12 strongly recommended). The School of Exercise Science, Physical and Health Education accepts a total of 30 students each year into the BSc Kinesiology Major and Major Co-operative programs.

15.2.1 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>. Reregistering UVic students may download, print and complete an Application to the School of Exercise Science, Physical and Health Education form available on the School’s website: <www.educ.uvic.ca/phed/selpros.htm> or obtain a paper application form from the School of Exercise Science, Physical and Health 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. EPHE 143
4. a minimum Grade Point Average of 5.0 (“B” average) on the most recent session. For students currently registered in less than 12 units, the GPA will be determined by using a combination of the GPA achieved in the current session and the GPA from the previous session applied to the number of units required to reach the 12 units. Achieving the minimum GPA for the program does not ensure acceptance.

In order to continue in the program, students require a Grade Point Average of at least 3.0 (3.5 for Co-op) in every session.

15.2.2 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 EPHE 100 level courses) and a Grade Point Average of 5.0 in non-physical education courses.

If accepted, honors students are responsible for finding a supervisor for their honours thesis. All requirements should be completed within five academic years. The completed thesis will be examined by a three-person committee including the supervisor. To graduate with an honours degree, a student must have a minimum 5.0 Grade Point Average for all work outside the School. An Honours degree will be awarded to students who obtain:

1. a graduating average of at least 5.0
2. a Grade Point Average of at least 5.5 for 300- and 400-level School of Exercise Science, Physical and Health Education courses
3. a grade of at least B in EPHE 499

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 Exercise Science, Physical and Health Education courses
3. a grade of at least A in EPHE 499.

A student who achieves a grade lower than B- in EPHE 499 will graduate under the Major program, providing all other requirements for the degree are fulfilled. The submission date for the thesis in EPHE 499 is the last day of classes.

BSc Kinesiology Major and Co-op students accepted into the Honours program follow the same course sequence requirements for the Ma-
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-sciences are not be accepted as part of the 12 units of required sciences in the BSc Kinesiology programs.

15.2.4 BSc Major In Kinesiology – Cooperative Education Program

The Kinesiology Co-operative Education program is a year-round program, which enables students to integrate their academic experiences with workplace learning. Please refer to the general description of the Cooperative Education concept and general regulations governing all co-operative education students, page 45.

All students should follow the academic guidelines described in section 15.2.5. With permission of the Program Coordinator, Kinesiology co-op students may voluntarily withdraw from Co-operative Education and remain enrolled in the Kinesiology degree program.

With a high grade point average, applicants to the co-op program in Kinesiology may be provisionally admitted into a Co-operative Education work term prior to formal admission into the Kinesiology co-op program. Such students, with authorization from the Office of the Executive Director, Co-operative Education, may undertake a first coop work term. In such cases, the co-op work term will be recorded on the transcript as COOP 001 and, if successfully completed, will be accepted as one of the required work terms for the student’s co-op program. Subsequent work terms must be considered as part of the Kinesiology program. Authorization to take a coop work term does not guarantee admission to the School of Exercise Science, Physical and Health Education.

Work term credit by challenge is not permitted in the BSc Kinesiology Co-op program. In order to continue in this program, a Grade Point Average of at least 3.5 is required in every session attended. If a student is on probation, then no units of credit will be awarded during the work term. Students are reminded of their responsibility to maintain the minimum academic performance required by the Faculty of Education (see Review of Academic Performance). Students with a GPA below 3.0 in an academic term will not be eligible to participate in the next scheduled co-op work term. Students must complete three work terms (each a minimum duration of 13 weeks). Please note that participation in the co-operative education program adds to the length of time required for successful degree completion.

Each work term is noted on the student’s academic record (grading: COM, N or F). A student who does not complete a work term satisfactorily will normally be required to withdraw from the program but the Kinesiology Committee may authorize a further work term. Students registered for work terms are considered to be enrolled in a full-time course of studies and must take university level credit courses while on a work term. Under extraordinary circumstances, students may submit, in writing, a request to the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education, a request to register in a maximum of 1.5 units of university level course credit. Students should not expect to complete all their work terms in the summer months, nor should they expect to complete their program on a work term or series of work terms.

Students must sign a current Terms and Conditions document as provided by the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education in order to be eligible to participate in the placement process.

Participation in EPHE 200 Co-op Seminar is a mandatory requirement for all School of Exercise Science, Physical and Health Education co-op students. This course is a co-requisite for students participating in the placement process prior to their first work term. EPHE 200 is offered in the September to December academic term. Students will be provided more information regarding the content and requirements for completion of this seminar upon admission to the KINE program.

Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the School of Exercise Science, Physical and Health Education is under no obligation to guarantee placement. Students are only permitted to decline one valid co-op job offer, any more than that and they will be deemed ineligible to participate in the placement process for the remainder of that term. Students should be prepared to spend at least one work term outside the Greater Victoria area.

The Co-op Program Coordinator, School of Exercise Science, Physical and Health Education reserves the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section of the calendar. Students may not withdraw from a placement without approval from the Co-op Coordinator. Failure to obtain permission will result in the student receiving a grade of F on the work term.

Students must be officially registered for the work term by completing the Work Term Registration Form, which is provided by the School of Exercise Science, Physical and Health Education Co-op office, and provide any other required documentation prior to the start of the work term. A Co-op Program Fee, which is non-refundable, is due in the first month of each work term and is subject to the University’s general fee regulations.

**Ethical and Professional Behaviour:**

While on co-operative education work terms students are responsible for acting in an ethical and professional manner.

**Attendance:**

While on cooperative education work terms students are expected to have regular attendance, be punctual at the work place and to notify their co-operative education coordinator whenever work term requirements cannot be kept.
Denial of co-operative education placement:
Students will be denied a co-operative education placement if their preparation in required course work and/or EPHE 200 is deemed unsatisfactory by their instructor(s) and/or the Director of the School of Exercise Science, Physical and Health Education.

Withdrawal from co-operative education placement:
Students may be required to withdraw from the co-operative education placement with a failing grade if their performance in the workplace or their workplace preparation is considered unsatisfactory by the work site supervisor, co-operative education coordinator and the academic program coordinator.

Voluntary Withdrawal:
Students seeking voluntary withdrawal during a placement must receive permission to do so from the co-operative education coordinator and program coordinator. Their request must be in writing and contain the reasons for the request. Students whose performance is deemed unsatisfactory at the time of withdrawal will receive a failing grade.

The performance of students in this program will be reviewed after each campus term and each work term. Students whose performance is deemed unsatisfactory will be so informed and will be advised of the conditions they are to satisfy in order to remain in the program.

15.2.5 Recommended Sequence of Courses BSc Kinesiology Major - Co-operative Education
Years 1 and 2 are the same as for the non-co-op Major.

Year One
(Humanities, Science or Social Sciences)
BIOL 150A and 150B, or 190A and 190B* ........... 3.0
CHEM 101 and 102* ........................................... 3.0
EPHE 141* ............................................................. 1.5
EPHE 143 ............................................................... 1.5
EPHE 155 ............................................................... 1.5
Two of ENGL 115, 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
EPHE 241A* .................................................... 1.5
EPHE 241B* .................................................... 1.5
EPHE 245 .................,
EPHE 253 .................................................... 1.5
One of EPHE 104-136 ................................ 0.5
Electives (see note 3) ........................................... 3.0
Total for year ...................................................... 15.5

At the end of Year Two:
Work Term #1

Year Three
Work Term #2 and possibly #3
EPHE 341* .................................................... 1.5
EPHE 344* .................................................... 1.5
EPHE 354B (summer) ........................................ 1.5
EPHE 360* .................................................... 1.5
EPHE 380* .................................................... 1.5
One of EPHE 104-136 ................................ 0.5
EPHE 300-400 level ........................................... 3.0
Electives (see note 3) ........................................... 4.5
Total for year ...................................................... 15.5

Year Four
Work Term #3
EPHE 441* .................................................... 1.5
EPHE 444* .................................................... 1.5
One of EPHE 104-136 ................................ 0.5
EPHE 300-400 level ........................................... 4.5
Electives (see note 3) ........................................... 6.0
Total for year ...................................................... 14.0
Total Units for Degree ....................................... 60.0
* science designated courses

15.2.6 Interfaculty Minor, Double Honours or Major
Students interested in pursuing an Interfaculty Minor or an Interfaculty Double Honours or Major should discuss this program with both the Program Co-ordinator and an Education Adviser.
Faculty of Engineering

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
Daniel Hoffman, BA (SUNY), MS, PhD (N Car, Chapel Hill), PEng, Associate Dean (Undergraduate Programs) and Professor
Afzal Suleman, BSc, MSc (Imp Coll U of Lond), PhD (British Columbia), PEng, Associate Dean (Research) and Associate Professor
Manfred Baltmann, MA (Cologne), Co-operative Education Coordinator, Engineering and Computer Science/Math Co-op Program Manager
Derek Church, ASc (Malaspina), BSc, MSc (UVic), Programmer Analyst
Matthew Cormie, Senior Programmer Analyst
George Csanayi-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
Jonathan Foweraker, BSc (York), MSc (Bath), PhD (Cambridge), Co-operative Education Coordinator
LeAnne Golinsky, Admissions/Advising Officer (on leave 2008)
Duncan Hogg, BSc, MSc (UVic), Co-operative Education Coordinator
Roel Hurkens, BSc (Wat), MSc (Tor), PPhys, Co-operative Education Coordinator
Megan Jameson, BA (UVic), Co-operative Education Placement Coordinator
Shane Kerschien, BEng (UVic), Programmer Analyst
Rhonda Korol, BSc (Toronto), MSc (UVic), Co-operative Education Coordinator
Cindy Lowe, BA (UVic), Co-operative Education Placement Coordinator
Sean McConkey, BAsc (Wat), Co-operative Education Coordinator
Erin Sebastian, BSc, MSc (UVic), Faculty Administrative Officer
Jeannie Stanley, BA, DipEd (Alberta), Admissions/Advising Officer (2008)
Seann Wagner, BSc (UVic), Programmer Analyst

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 BSEng 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 84.

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 81.

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 31; 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

<table>
<thead>
<tr>
<th>Bachelor of Engineering Undergraduate Programs</th>
<th>Bachelor of Software Engineering</th>
<th>Bachelor of Engineering</th>
<th>Bachelor of Science Program</th>
<th>Bachelor of Arts Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Electrical and Computer Engineering</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Mechanical Engineering</td>
<td>•</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Department of Computer Science</td>
<td>•</td>
<td>•</td>
<td>•</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.
Students admitted to the BEng or BSEng degree program normally begin first-year Engineering courses in the September-December term each year.

International Students
The University has a primary obligation to permanent residents of Canada. Nevertheless, a limited number of international students may be admitted to the BEng and BSEng degree programs.

ADMISSION REQUIREMENTS
Graduates of BC Secondary Schools
Requirements for admission to the BEng and BSEng degree program for graduates of BC Secondary Schools are presented on page 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 or Computer Technology may be admitted to the third year of a BEng program. On successful completion of the six-month Software Engineering Bridge Program offered at Camosun College, students with a two-year diploma in Computer Technology may be admitted to Term 2B of the BSEng Program. Acceptance into the Bridge and BEng or BSEng Programs is decided on an individual basis and must be obtained from the Faculty of Engineering before registration in any of the bridge courses or senior-level courses will be approved.

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

Credit for Courses Offered by Other Faculties or Institutions
The Faculty of Engineering may grant credit to applicants to the BEng or BSEng degree program for courses taken at UVic or at other post-secondary educational institutions. A Letter of Permission must be obtained from the BEng or BSEng Office prior to undertaking studies at another institution for credit towards the UVic degree program. See Letters of Permission for UVic Students to Undertake Studies Elsewhere, page 29. Credit will be considered only for courses that are equivalent to courses in the BEng or BSEng degree program and in which satisfactory performance has been achieved. For courses with prefixes CENG, ELEC, ENGR, MECH and BENG, detailed documentation supporting the credit request may be required; students should contact the BEng or BSEng Office for specific instructions before beginning studies in the Faculty. Credit for courses completed while outside the Faculty of Engineering will only be granted for courses in which a grade of C- or higher, or the equivalent, was awarded. For some courses a higher minimum grade may be required. The student must initiate all requests for course credit in the first term (four months) of registration in the BEng or BSEng program.

Course Challenges
The Faculty of Engineering does not offer course challenges.

Approved Substitutions for Courses Taken at UVic
Substitutions may be permitted, on a course-by-course basis, for students transferring into the BEng and BSEng program, when the substitute course is taken at the University of Victoria. See the table “Substitutions for BEng and BSEng Program Courses.”

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>ENGL 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>

2008-09 UVIC CALENDAR

Readmission to the Faculty
Students who have withdrawn voluntarily from the BEng or BSEng degree programs and later reapply for admission must do so by the prescribed deadlines and will be considered in competition with all other applicants and in the context of space availability at the time of reapplication.

An application for readmission from a student who has been required to withdraw must be submitted by the prescribed deadlines. Readmission will not be granted for at least 12 months following the date of required withdrawal. It is expected that students in this category will register in a set of courses that demonstrate some improved level of technical competence. As a result of these studies, their academic standing must be evaluated as satisfactory or readmission will not be considered. Meeting all of the above requirements does not guarantee re-admission 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 re-admitted 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 partici-
In exceptional circumstances, a student may request an extension approved by the Dean. The student must submit their request in the specified time limits must have their programs approved by the Dean. The student will be placed in Failed Standing.

Failed Standing
A student registered in 4.5 units or more whose sessional GPA is less than 2.0 is in Failed Standing.

A student with Probationary Standing whose sessional GPA falls below 3.0 is in Failed Standing.

A student with Failed Standing in the BEng or BSEng program is required to withdraw from the program and will not be considered for readmission for at least one year.

A student who is required to withdraw is not permitted to take or retake any courses with prefixes of CENG, ELEC, ENGR, or MECH until such time as they are readmitted to a BEng or BSEng program.

A student given Failed Standing for a second time in either the BEng or BSEng program will be required to permanently withdraw from the program.

Course Equivalents and Course Withdrawals
Approval may be given, at the discretion of the Dean, for a student to replace one or more BEng or BSEng degree program courses with other acceptable courses. Written approval must be obtained in advance. Normally, such replacement courses will be taken at UVic. When a replacement course is to be taken at another institution, the student must obtain a Letter of Permission from the BEng or BSEng Office prior to undertaking the studies. See Letters of Permission for UVic Students to Undertake Studies Elsewhere, page 29.

Students will not be permitted to withdraw from a given course more than once.

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.
- It is Faculty policy to award the grade of E to students in a CENG, ELEC, ENGR, MECH or SENG prefixed course if they fail the course with a mark of 35% or higher and have written the final examination and passed the lab (if present).
- The grade DEF is used for courses in which a deferred examination has been granted on the basis of illness, family affliction or other similar circumstances (see Deferred Exams, below).

Review of an Assigned Grade in BEng and BSEng Program Courses, Work Terms, and Work Term Modules
Any request for a review of a final grade must normally reach the Dean's office within 21 days after the release of assigned grades.

The review of a final grade is restricted to grade components contributed by a final examination and to any other grade components released to the student within the last 21 days before the end of classes.

In the case of a work term or work term module evaluation, the review will be restricted to the component on which a failing grade was assigned.

The grade determined by means of a review will be recorded as the final official grade, regardless of whether it is identical to or higher or lower than the original grade.

Before requesting a review, students should make every reasonable effort to discuss the assigned grade with the instructor. Mathematical marking errors will be rectified without recourse to the review procedures.

Reviews of Academic Performance
The standing of students in the BEng and BSEng programs is determined by their sessional Grade Point Average as described below. The sessional Grade Point Average is based on all courses completed in a given winter or summer session which have a unit value (see Standing, page 38). Courses bearing the grade of COM or DEF are not included in the calculation of the Grade Point Average. Grades obtained in supplemental examinations (please refer to the section on Supplemental Examinations later in this section) will be treated as described in the University Regulations on page 36. Grades from the BEng and BSEng Management Option will not be included in the graduation average. Grades for courses taken at outside institutions are not included in the GPA.

BEng and BSEng Standings

Satisfactory Standing
A student in Satisfactory Standing if his or her sessional GPA is greater than or equal to 3.0.

A student with Satisfactory Standing may proceed in the program.

Probationary Standing
A student registered in 4.5 units or more whose sessional GPA is greater than or equal to 2.0 but less than 3.0 is in Probationary Standing.

A student registered in less than 4.5 units whose sessional GPA is less than 2.0 is in Probationary Standing.

A student with Probationary Standing must attain a GPA greater than 3.0 in the next session to clear his or her Probationary Standing, otherwise the student will be placed in Failed Standing.

Failed Standing
A student registered in 4.5 units or more whose sessional GPA is less than 2.0 is in Failed Standing.

A student with Probationary Standing whose sessional GPA falls below 3.0 is in Failed Standing.

A student with Failed Standing in the BEng or BSEng program is required to withdraw from the program and will not be considered for readmission for at least one year. Please refer to the Readmission to the Faculty section in this calendar entry.

A student with Failed Standing in the BEng or BSEng program who also has University Failed Standing is required to withdraw from UVic and will not be considered for readmission for at least one year.

A student who is required to withdraw is not permitted to take or retake any courses with prefixes of CENG, ELEC, ENGR, or MECH until such time as they are readmitted to a BEng or BSEng program.

A student given Failed Standing for a second time in either the BEng or BSEng program will be required to permanently withdraw from the program.

Course Equivalents and Course Withdrawals
Approval may be given, at the discretion of the Dean, for a student to replace one or more BEng or BSEng degree program courses with other acceptable courses. Written approval must be obtained in advance. Normally, such replacement courses will be taken at UVic. When a replacement course is to be taken at another institution, the student must obtain a Letter of Permission from the BEng or BSEng Office prior to undertaking the studies. See Letters of Permission for UVic Students to Undertake Studies Elsewhere, page 29.

Students will not be permitted to withdraw from a given course more than once.

Academic and Work/Other Term Schedule

<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>
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 Departmental and BSEng Program entries.

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.

Supplemental Examinations
Students who obtain a GPA of at least 7.0 over the last two years of their program and who have no failing grades and not more than 3.0 units of D grades over the last two years of their program will graduate with the BEng or BSEng degree “With Distinction.”

Students who complete their graduation requirements “With Distinction” will be included in the Dean’s Graduation List.

The graduating average of a student in the BEng or BSEng program will be the weighted average of the grade values (other than COM, N, F and E) assigned to 300- and 400-level courses taken or challenged at UVic and used within the student's degree program. Courses taken at the 500 level may be included in the graduating average if they are used to meet degree requirements. If the total unit value of such courses does not exceed 30 units, then all such courses will be included in the average. If the total exceeds 30 units, then the average will be taken on a maximum of 30 units of such courses, chosen so as to give the highest average, including, where necessary, the appropriate fraction of a course. A course that has been used to satisfy the requirements for one degree or in the calculation of the student's graduating average for one degree cannot be used for credit towards another degree. Senior level courses used to complete the Management Option or a Minor in some other area are excluded from the graduating average computation.

BEng and BSEng Program Requirements
Courses Common to BEng and BSEng Programs (Engineering Core)
Students in all BEng and BSEng degree programs must complete the Engineering Core courses listed below. Courses common to all BEng programs, but not required in the BSEng program, are also given in a second table. Additional requirements for each specific program are given under Program Requirements in the Departmental and BSEng Program entries.

2008-09 UVIC CALENDAR

<table>
<thead>
<tr>
<th>Courses Common to all BEng and BSEng Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 150 Engineering Chemistry</td>
</tr>
<tr>
<td>CSC 111 Fundamentals of Programming with</td>
</tr>
<tr>
<td>Engineering Applications</td>
</tr>
<tr>
<td>CSC 115 Fundamentals of Programming: II</td>
</tr>
<tr>
<td>ELEC 199 Laboratory in Engineering Fundamentals</td>
</tr>
<tr>
<td>ENGL 115 University Writing</td>
</tr>
<tr>
<td>or ENGL 135 Reading and Writing Across</td>
</tr>
<tr>
<td>Disciplines</td>
</tr>
<tr>
<td>ENGR 020 Introduction to Professional Practice</td>
</tr>
<tr>
<td>ENGR 240 Technical Writing</td>
</tr>
<tr>
<td>ENGR 280 Engineering Economics</td>
</tr>
<tr>
<td>ENGR 446 Technical Report</td>
</tr>
<tr>
<td>MATH 100 Calculus: I</td>
</tr>
<tr>
<td>MATH 101 Calculus: II</td>
</tr>
<tr>
<td>MATH 133 Matrix Algebra for Engineers</td>
</tr>
<tr>
<td>MECH 141 Engineering Fundamentals: I</td>
</tr>
<tr>
<td>PHYS 122 Mechanics for Engineers</td>
</tr>
<tr>
<td>PHYS 125 Fundamentals of Physics</td>
</tr>
<tr>
<td>1 Complementary Studies Course*: 1.5 units of</td>
</tr>
<tr>
<td>approved electives from Humanities and Social</td>
</tr>
<tr>
<td>Sciences</td>
</tr>
</tbody>
</table>

1. Students must normally complete ENGR 020 (Introduction to Professional Practice) before undertaking their first Work Term (first Work Term Module for BSEng students).
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>Courses Common to all BEng Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 349A Numerical Analysis: I</td>
</tr>
<tr>
<td>ELEC 216 Electricity and Magnetism</td>
</tr>
<tr>
<td>ELEC 250 Linear Circuits: I</td>
</tr>
<tr>
<td>ENGR 297 Technology and Society</td>
</tr>
<tr>
<td>ENGR 446 Technical Report</td>
</tr>
<tr>
<td>MATH 200 Calculus of Several Variables</td>
</tr>
<tr>
<td>MATH 201 Introduction to Differential Equations</td>
</tr>
<tr>
<td>STAT 254 Probability and Statistics for Engineers</td>
</tr>
</tbody>
</table>

5. Students must register in this course in the term preceding the final term of their program (academic or work term).

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 ap-

### Supplemental Examination Dates and Deadlines

<table>
<thead>
<tr>
<th>Term in which E Grade Was Obained</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>

### Engineering and Computer Science/Math Co-operative Education Programs

General Regulations
Co-operative Education is mandatory in the BEng and BSEng degree programs.
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) and a maximum of 18 weeks) and alternate with academic terms. Upon approval, work terms of 4 months can be combined to 8-, 12-, or 16-month periods of employment. BEng students need to submit a modified program request to their respective departmental office for approval of work terms longer than 4 months.

The BSEng Co-op work placement consists of a number of blocks of full-time employment that will normally span four-month intervals (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. BSEng students need to submit a modified program form to the BSEng Office for approval of work terms longer than 4 months. No credit for work experience will be granted for periods with a single employer where the total time with that employer is less than 2 months. A BSEng student undertaking an approved work placement must be registered in an appropriate set of Work Term Modules. A Work Term Module represents a one-month period of continuous employment and hence corresponds to one-fourth of a full work term.

Work Term Prerequisites

BEng and BSEng Students

ENGR 020 (Introduction to Professional Practice) and ENGR 240 (Technical Writing) are mandatory requirements for BEng and BSEng students.

Students normally must successfully complete ENGR 020 (Introduction to Professional Practice) before undertaking their first work term (first Work Term Module for BSEng students).

Students must successfully complete the University English Requirement 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 more work terms. Please note that the total work term credits/reductions that can be accumulated under this section is limited to a maximum of two.

1. A student with extensive technical work experience completed prior to admission to the program may apply to challenge for credit one or two work terms (8 Work Term Modules for BSEng students). It should be noted that only one challenge is permitted in CSC and the BEng/BSEng Mechatronics and Embedded Systems (MES) Option. No challenge credit will be granted in the combined CSC/Health Information Science programs.

2. A student with co-op work terms from another post-secondary institution may apply for transfer credit (to a maximum of two) toward the four required work terms if they have at least 12 units of academic credit which transfers from that institution towards the BEng, BSEng or CSC/MATH co-op degree.

Detailed documentation supporting the credit request may be required.

A student with at least 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 at 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.

Work Term Module represents a one-month period and may be granted credit for 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.
Students must mail or hand-deliver a hard copy of the report directly to the Engineering and Computer Science/Math Co-op office. Work Term Reports are due by 4:00 pm on the 1st Friday of the academic term following the completion of a students’ work term. Reports mailed to the co-op office from out of town students must be post marked before the report due date. Due dates are e–mailed to students as a reminder one month prior to the end of each work term by the co-op office. Failing grades are submitted for work term reports not handed in by the due date.

Work term reports that are proprietary in nature are acceptable. Students should discuss these reports with their Coordinator to determine the regulations for these reports.

The requirements for a pass grade in a Co-op work term include:

- the employer’s satisfactory final evaluation of the student,
- the satisfactory completion of a work term report as assessed by a Coordinator, a designated member of the Faculty of Engineering, or an approved marker as designated by the Engineering and Computer Science/Math Co-op Office
- 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 extensions 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 logbook at the end of each Work Term Module.

Co-op Program Fee
The university assesses a Co-op Program Fee for each work term, which is non-refundable, that is due in the first month of each work term and is subject to the University’s general fee regulations. A fee is also assessed for work term challenges but no fee is assessed for work term transfer credits.

Status of Students on Work Terms
Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university-level credit courses without the permission of the Program Manager of the Engineering/CSC/Math Co-op program for BEng/BSEng and CSC/Math students.

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

Computer Science, Computer Science (Software Engineering Option), Computer Science (Bioinformatics Option), Computer Science/Mathematics and Computer Science/Statistics
Students admitted to one of these programs who wish to participate in Co-op must successfully complete four work terms in order to complete their Co-op degree requirements, and satisfy the course requirements of their specific degree program.

Computer Science (Business Option)
Students admitted to the Major Program in Computer Science (Business Option) are required to take part in the Co-op Education Program. They must successfully complete four work terms. First year students interested in the Business Option should register for ECON 103 and 104 in their fall term, and should contact the Computer Science Advising Office to arrange for their spring term registration in COM 220. Students can apply for Co-op once they have completed CSC 110 and MATH 100.

Computer Science (Mechatronics and Embedded System Option)
Students participating in this program are required to take part in the Co-op Education Program. They must successfully complete four work terms. Interested students should contact the Computer Science Advising Office regarding admission during their first term on campus or upon deciding to enter the program. Students can apply for Co-op once they have completed CSC 110 and MATH 100.

Health Information Science/Computer Science
Students admitted to the Combined Program in Health Information Science and Computer Science are required to take part in the Co-op Education Program. In addition to completing their degree requirements, they must successfully complete a minimum of three work terms with at least two in one department, and be enrolled in a minimum of six units of course work each campus term in order to graduate in this program. The granting of work term credit by challenge is not permitted in this program.
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 Program. 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 training 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 suggested subject areas:
  - Environmental Economics
  - Introduction to Social Problems

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 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 departmental entry for further details. A specific Minor in Software Engineering is not currently offered.

Any UVic student who wishes to pursue a Minor in another discipline outside their program area may do so with the approval of that department/Faculty. Students should consult the appropriate advising centre for the development and approval of the minor. Access to courses outside the Faculty of Engineering is at the minor department's discretion. Courses that fulfill requirements for a Minor cannot form part of the requirements for the degree and normally would be taken outside a student's primary academic unit.

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 MA TH 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 MA TH 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 79.

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:

1. satisfy the degree requirements
2. 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 88.

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
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: Jens H. Weber, Dr Rer Nat (Paderborn), Associate Professor
Derek Church, AsC (Malasipina) BSc, MSc (UVic), Programmer Analyst
Belinda J. de Jong, BA (UVic), Administrer Officer
LeAnne Golinsky, Admissions/Advising Officer (on leave)
Duncan S. Hogg, BSc, MSc (UVic), Co-operative Education Coordinator
Jeannie Stanley, BA, DipEd (Alberta), Admissions/Advising Officer (2008)
Seann 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 81.

2008-09 UVIC Calendar

BSEng Program Requirements

First Year

Term 1A
- CSC 111 (1.5) Fundamentals of Programming with Engineering Applications
- ENGR 0201 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) Engineering 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 2401 (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

Second Year

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
- or CENG 355 (1.5) Microprocessor-Based Systems

2008-09 UVIC Calendar

FACULTY OF ENGINEERING
5. 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/BSEng Student Programs Committee. A current list of acceptable courses may be obtained from the BSEng Office.

6. All BSEng students must register in ENGR 446 (Technical Report) in the term preceding their final term of their program (academic or work term).

7. On the recommendation of the BSEng Program Director and the permission of the Chair of ECE, credit for ENGR 400 may be applied in lieu of SENG 499 as the Term 4B program requirement.

### BSEng 4th Year Technical Electives

**BSEng Electives List I**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 461</td>
<td>Multimedia Systems</td>
</tr>
<tr>
<td>CSC 462</td>
<td>Distributed Computing</td>
</tr>
<tr>
<td>CENG 450</td>
<td>Computer Systems and Architecture</td>
</tr>
<tr>
<td>CENG 453</td>
<td>Introduction to Parallel and Cluster Computing</td>
</tr>
<tr>
<td>ELEC 426</td>
<td>Robotics</td>
</tr>
<tr>
<td>ELEC 466</td>
<td>System-on-Chip Engineering for Signal Processing</td>
</tr>
<tr>
<td>MECH 466</td>
<td>Microelectromechanical Systems</td>
</tr>
<tr>
<td>SENG 422</td>
<td>Software Architecture</td>
</tr>
<tr>
<td>SENG 450</td>
<td>Network-centric Computing</td>
</tr>
<tr>
<td>SENG 454</td>
<td>Component Based Software Engineering</td>
</tr>
<tr>
<td>SENG 466</td>
<td>Software for Embedded and Mechatronics Systems</td>
</tr>
</tbody>
</table>

**BSEng Electives List II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 305</td>
<td>Introduction to Computer Graphics</td>
</tr>
<tr>
<td>CSC 326</td>
<td>Algorithms and Data Structures: II</td>
</tr>
<tr>
<td>CSC 330</td>
<td>Programming Languages</td>
</tr>
<tr>
<td>CSC 340</td>
<td>Numerical Methods</td>
</tr>
<tr>
<td>CSC 425</td>
<td>Analysis of Algorithms</td>
</tr>
<tr>
<td>CSC 435</td>
<td>Compiler Construction</td>
</tr>
<tr>
<td>CSC 445</td>
<td>Operations Research: Linear Programming</td>
</tr>
<tr>
<td>CSC 446</td>
<td>Operations Research: Simulation</td>
</tr>
<tr>
<td>CSC 454</td>
<td>Fault-Tolerant Computing</td>
</tr>
<tr>
<td>CSC 464</td>
<td>Concurrency</td>
</tr>
<tr>
<td>CENG 412</td>
<td>Human Factors in Engineering</td>
</tr>
<tr>
<td>or SENG 412</td>
<td>Human Factors in Engineering</td>
</tr>
<tr>
<td>CENG 420</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>or SENG 421</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>CENG 461</td>
<td>Analysis and Design of Computer Communications Networks</td>
</tr>
<tr>
<td>ELEC 407</td>
<td>Digital Signal Processing: II</td>
</tr>
<tr>
<td>ELEC 485</td>
<td>Pattern Recognition</td>
</tr>
<tr>
<td>ENGR 400</td>
<td>Sustainable Energy Systems Design Project</td>
</tr>
<tr>
<td>SENG 330</td>
<td>Object-Oriented Software Development</td>
</tr>
<tr>
<td>SENG 410</td>
<td>Media Applications</td>
</tr>
<tr>
<td>or CSC 461</td>
<td>Multimedia Systems</td>
</tr>
</tbody>
</table>

**BSEng Mechatronics and Embedded Systems Option Requirements**

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

- ENGR 466 Integrated Mechatronics and Embedded Systems Project
- MECH 458 Mechatronics
- SENG 466 Software for Embedded and Mechatronics Systems
- or 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.

### Academic Schedule: BSEng (Mechatronics and Embedded Systems Option)

See page 85 for Terms 1A, 1B, 2A, 2B, 3A, 3B and electives.

**Term 3B**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 455</td>
<td>Real Time Computer Systems</td>
</tr>
<tr>
<td>or CSC 460</td>
<td>Design and Analysis of Real-time Systems</td>
</tr>
<tr>
<td>MECH 458</td>
<td>Mechatronics</td>
</tr>
<tr>
<td>Free elective (1.5) taken from any faculty</td>
<td></td>
</tr>
</tbody>
</table>

**Term 4A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 466</td>
<td>Integrated Mechatronics and Embedded Systems Project</td>
</tr>
<tr>
<td>or MECH 466</td>
<td>Microelectromechanical Systems</td>
</tr>
</tbody>
</table>
Department of Computer Science

Byron L. Ehle, AB (Whitman), MS (Stan), PhD (Wat), Professor Emeritus
John A. Ellis, BSc, MSc (Lond), MS (Ill Inst of Tech), PhD (Northw), Professor Emeritus
Daniel M. Hoffman, BA (SUNY), MS, PhD, (N Car, Chapel Hill), PEng, Professor and Associate Dean Undergraduate Programs, Faculty of Engineering
R. Nigel Horspool, BA (Cannt), MSc, PhD (Tor), Professor
Valerie King, AB (Prin), JD, PhD (Calif, Berk), Professor
Eric G. Manning, BSc, MSc (Wat), PhD (Ill), FIEEE, PEng, Professor Emeritus
D. Michael Miller, BSc (Winn), MSc, PhD (Man), PEng, Professor
Hausi A. Müller, Dipl EI Eng (ETH Zürich), MS, PhD (Rice), Professor
Jon C. Muzio, BSc, PhD (Nott), Professor
Wendy J. Myrvold, BSc (McG), MMath, PhD (Wat), Professor
D. Dale Olesky, BSc, MSc (Alta), PhD (Tor), Professor
Frank Ruskey, BA, MA, PhD (Calif, San Diego), Professor
Micaela Serra, BSc (Man), MSc, PhD (UVic), Professor and Graduate Adviser
Gholamali C. Shoja, BSEE (Kan St), MSEE (Northw), D Phil (Sus), PEng, Professor Emeritus
Maarten van Emden, MSc (T. H. Delft), PhD (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)
Yvonne Coady, BSc (Gonzaga U), MSc(Simon Fraser), PhD (Brit Col), Graduate Professor
Daniela E. Damian, BSc (Babes-Bolyai U of Cluj-Napoca), MSc (Calgary), PhD (Calgary), Associate Professor
Daniel M. German, BS (UPIICSA/IPN), MS (Coll of William and Mary), PhD (Wat), Associate Professor
Bruce Kapron, BMath (Wat), MSc (Simon Fraser), PhD (Tor), Associate Professor
Frank D.K. Roberts, MA (Cantab), MSc, PhD (Liv), Associate Professor
Ulrike Stege, Dipl Math (Albert-Ludwigs-Universität Freiburg), PhD (ETH Zürich), 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 Rer Nat (Paderborn), Associate Professor and BSEng Program Director
Kai Wu, BSc, MEng (Wuhan), PhD (Alberta), Associate Professor
Mantis H. M. Cheng, BMath, MMath, PhD (Wat), Assistant Professor
Sudhakar N.M. Ganti, BTech (JNTU), M Tech (ITT), PhD (U of Ottawa), 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)
Alex Thono, BSc (U of Piraeus), MSc, PhD (Concordia) Assistant Professor
Melanie Tardy, BSc (UBC), PhD (SFU), Assistant Professor
George Tzanetakis, BSE (U of Crete), MA, PhD (Princeton), Assistant Professor
Jason Coelers, BSc, MSc (UVic), Senior Instructor
LilAnne Jackson, BSc (Alberta), MSc (Lethbridge), PhD (Calgary), Senior Instructor
Mary Sanseverino, BSc, MSc (UVic), Senior Instructor
Michael Zastre, BSc (SFU), MSc, PhD (UVic), Senior Instructor and Director of Undergraduate Studies
Jillian Aschenbrenner, Programma Analyst
Tomás Rednarin, Programma Analyst
Bette Bultena, BSc, MSc (UVic), Senior Laboratory Instructor
Susan Fiddler, BMus (UVic), Placement Coordinator, Co-operative Education Co-ordinator (Engineering & Computer Science/Math Co-op)
Duncan Hogg, BSc, MSc (UVic), Co-operative Education Co-ordinator, (Engineering & Computer Science/Math Co-op)
William F. Gorman, BA (Queen’s), Laboratory Instructor
Jane Guy, BSc (London), MSc (Zimbabwe), Academic Adviser
Victoria Li, BSc (Wuhan), MSc (Simon Fraser), Senior Laboratory Instructor
Melissa Ozard, Administrative Officer
Anissa St. Pierre, BSc (UVic), Executive Assistant, Enrolment Program
Paul Stead, Senior Programmer Analyst
Robert Taylor, Senior Systems Administrator

2008-09 UVIC CALENDAR

Allan Trumpour, BSc (UVic), Senior Programmer Analyst
Kathryn Wilson, BA (Emily Carr Inst. of Art and Design), Programmer Analyst

VISITING, LIMITED TERM, ADJUNCT AND CROSS-LISTED APPOINTMENTS

Ian Barrodale, BSc (Wales), MA (Brit Col), PhD (Liv), Adjunct Professor (2005-08)
Alexandra Branzan Albu, BSc, MSc, PhD (Bucharest), PEng, Cross-listed Assistant Professor (2006-08)
Maurice Danard, BA (Brit Col), MA (Tor), PhD (Chic), Adjunct Professor (2005-08)
Peter Driessen, BSc, PhD (Brit Col), PEng, Cross-listed Professor (2006-08)
Brian Gaines, BA (Trinity), MA, PhD (Cambridge), Adjunct Professor (2004-07)
Yong Gao, BSc, MSc (Xi’an Jiaotong), MSc, PhD (Alberta), Adjunct Assistant Professor (2007-09)
David G. Goodenough, BSc (Brit Col), MSc, PhD (Tor), FIEEE, Adjunct Professor (2005-08)
Ahmed E. Hassan, BMath, MMath, PhD (Wat), Cross-listed Assistant Professor (2006-08)
Benjamin Jung, Abitur (Humanistics, Hauptdipolm (Tech Universitat), PhD (Trinity), Adjunct Assistant Professor (2007-09)
Kenneth Kent, BSc (Memorial), MSc, PhD (UVic), Adjunct Associate Professor (2007-09)
Paul Lalonde, BSc (Dalhousie), MSc (Queen’s), PhD (UBC), Adjunct Professor (2007-10)
James R. McBride, BSc (Strathclyde), Adjunct Professor (2006-09)
Patrick McGeer, BSc (SFU), MMath (Wat), PhD (Calif, Berk), Adjunct Professor (2007-10)
Morgan Price, BSc (UVic), MD (Calgary) CCFP (UBC), Adjunct Assistant Professor (2005-08)
Jacqueline Rice, BSc, PhD (UVic), Adjunct Assistant Professor (2007-10)
W. Andrew Schloss, BA (Bennington Coll), PhD (Stan), Cross-listed Professor (2006-08)
Janice Singer, BA (Calif, San Diego), PhD (Pittsburgh), Adjunct Professor (200710)
Seryl Saub-French, BSc (Santa Clara), MEng, PhD (Stanford), Adjunct Assistant Professor
Pauline van den Driessche, PhD (Wales), Adjunct Professor (2006-09)
Maarten van Emden, MSc (T. H. Delft), PhD (Amsterdam), Adjunct Professor (2006-09)
Peter Walsh, BSc, MSc (Univ Coll, Cork), PhD (UVic), Adjunct Assistant Professor (2007-10)

COMPUTER SCIENCE PROGRAMS

Undergraduate Programs

The Department of Computer Science offers the following programs leading to the degree of Bachelor of Science:

- Major and Honours in Computer Science
- Major in Computer Science (Software Engineering Option)
- Major in Computer Science (Business Option)
- Major in Computer Science (Mechatronics and Embedded Systems Option)
- Major in Computer Science (Bioinformatics Option)
Students who plan to pursue one of these programs and who meet the qualifications set out below should apply to the Undergraduate Admissions Office and should indicate that they wish to register in the Faculty of Engineering for their first year of study.

Students may complete a combined degree program in the following fields:
- Computer Science and Mathematics
- Computer Science and Statistics
- Physics and Computer Science
- Health Information Science and Computer Science
- Visual Arts and Computer Science
- Psychology and Computer Science
- Geography and Computer Science (Geomatics)
- Music and Computer Science

Students wishing to complete one of the combined degree programs in Computer Science and Mathematics, Statistics or Physics will normally register in the Faculty of Science for their first year.

Students wishing to complete a combined degree program in Health Information Science and Computer Science will normally register in the Faculty of Human and Social Development.

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 81.

Computer Science/Mathematics Work Experience Program

Please refer to the Faculty of Engineering Co-operative Education Programs General Regulations, page 81.

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 completion of their first term of studies.

Students from outside British Columbia and students transferring from other post-secondary institutions must consult the Department before enrolling in any Computer Science course.

Availability of Courses to Students in Other Faculties

All undergraduate courses offered by the Department of Computer Science may be taken by students in the Faculties of Humanities, Social Sciences and Science for credit towards a degree in those faculties.

English Requirement

Students taking a Major, Honours or combined degree program in Computer Science (except for a combined degree with Visual Arts, or a combined degree with Music) take ENGL 115 or 135.

The level attained in the Language Proficiency Index (LPI) will determine which course should be taken. See Language Proficiency Index, page 29, 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
- 115 or 160
- 250 or 355
- 370 or 470
- 425 or 420
- 435 or 471
- 448A or 445
- 448B or 446

Program Requirements

Major and Honours Programs

Students planning to complete a Major or Honours program in Computer Science, a Major in Computer Science (Software Engineering Option) or a Major in Computer Science (Business Option) register in the Faculty of Engineering. Students registered in another faculty may transfer into a BSc program in the Faculty of Engineering (see page 84).

All students planning to complete a Major or Honours Program in Computer Science must file a Record of Degree Program form before registering for third year in the Faculty of Engineering. Computer Science Degree Programs are submitted to the Computer Science Advising Centre.

Admission to the Honours Program

Students who wish to be admitted to the Honours Program should apply in writing to the Honours Adviser on completion of their second year.

Normally a student will be admitted to the Honours Program only if the student has:
1. completed CSC 110, 115, 212, 225, 230 and SENG 265
2. completed at least 10.5 units of the Mathematics and Statistics courses required for the degree
3. attained an overall GPA in second year of at least 6.5
4. attained a grade of B+ or higher in each 200-level CSC and SENG course completed

Students may be admitted to the Honours Program upon completion of their third year providing they have:
1. completed all of the 100-level and 200-level courses required for the Honours degree with a Grade Point Average of at least 6.0 in these courses
2. completed at least 9 units of 300-level courses in Computer Science (including CSC 320, 322 and 360) and have obtained a GPA of at least 6.5 over all 300-level Computer Science courses taken.

Honours students who do not obtain a Grade Point Average of at least 6.0 in the eight required 300-level Computer Science courses must withdraw from the program.

Graduation Standing: Honours Program

A student graduating in the Honours Program will be recommended for an Honours degree “With Distinction” if the student has achieved at least a 6.5 graduating GPA and an average of at least 6.5 in courses numbered 300 or higher taken in the Department. A student who completes the Honours Program requirements without attaining the 6.5 standing but has a departmental and graduating GPA of at least 5.0 will be recommended for an Honours degree.

BSc Honours: Course Requirements

<table>
<thead>
<tr>
<th>Year 1</th>
<th></th>
<th>Year 2</th>
<th></th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115, 212</td>
<td>4.5</td>
<td>CSC 225 and 230</td>
<td>3.0</td>
<td>CSC 320, 330, 355, 360, 370</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
<td>4.5</td>
<td>SENG 265</td>
<td>1.5</td>
<td>CSC 322 or 326</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
<td>MATH 200 and 201, or 202 and 233C</td>
<td>3.0</td>
<td>CSC 340 or 349A</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
<td>Electives</td>
<td>3.0</td>
<td></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 .......................................................... 1.5

Year 2
CSC 225, 230 .................................................. 3.0
SENG 265 ........................................................... 1.5
MATH 201 or 202 ............................................. 1.5
MATH 222, 233A ............................................... 3.0
ENGR 240 ...................................................... 1.5
Electives .......................................................... 1.5

Year 3
CSC 320, 330, 355, 360, 370 ............................. 7.5
CSC 340 or 349A ............................................. 1.5
STAT 260 .................................................... 1.5
Other courses .................................................. 4.5

Year 4
4.5 units of CSC at the 400 level ........................... 4.5
Other courses .................................................. 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. A student may only have one area of emphasis on his or her degree.

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.
### Major in Computer Science (Business Option)

This program is intended for students who wish to supplement studies in Computer Science with studies in Business. Entry to the program is limited. Students must be admitted to the program before registering in any Business courses. This is a mandatory Co-op program. Information on eligibility and application to the program is available from the Computer Science Advising Office.

<table>
<thead>
<tr>
<th>Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115, 212</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
</tr>
<tr>
<td>COM 220</td>
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<table>
<thead>
<tr>
<th>Year 2</th>
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</thead>
<tbody>
<tr>
<td>CSC 225, 230</td>
</tr>
<tr>
<td>SENG 265</td>
</tr>
<tr>
<td>MAT101 or 202</td>
</tr>
<tr>
<td>MATH 222, 233A</td>
</tr>
<tr>
<td>SENG 265</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 320, 330, 350, 360, 361, 370</td>
</tr>
<tr>
<td>STAT 260</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
</tr>
</tbody>
</table>

1. STAT 260 may be taken as early as the second term of the first year.
2. STAT 260 may be taken as early as the second term of the first year.
3. COM 341 requires Statistics as a pre- or corequisite.
4. All 400 level Business courses require COM 220, 240, 250, 270, 341 as prerequisite.
5. These 9 units of other courses must include at least 5 units chosen from Computer Science or SENG at the 300 or 400 level, or Business at the 400 level.

### Major in Computer Science (Communications & Networks Option)

This program is for students who wish to acquire a strong background in Communications and Networks. The Co-op option or the work experience option is strongly recommended.

<table>
<thead>
<tr>
<th>Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115, 212</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 225, 230</td>
</tr>
<tr>
<td>SENG 265</td>
</tr>
<tr>
<td>MATH 200, 201, 222</td>
</tr>
<tr>
<td>ELEC 216 or PHYS 216</td>
</tr>
<tr>
<td>ELEC 250, 260</td>
</tr>
<tr>
<td>STAT 260</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 320, 330, 355, 360</td>
</tr>
</tbody>
</table>

### Major in Computer Science (Mechatronics and Embedded Systems Option)

This program provides theoretical and practical training in microprocessors, software, electronics, sensors and actuators, and their integration into designs for mechatronics and embedded systems. The uniqueness associated with mechatronics comes from its exploitation of real-time computation to create intelligent electromechanical systems.

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. This is a mandatory Co-op program. Information on eligibility and application to the program is available from the Computer Science Advising Office.

<table>
<thead>
<tr>
<th>Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115, 212</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
</tr>
<tr>
<td>ENGR 240</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
</tr>
<tr>
<td>MATH 133 or 233A</td>
</tr>
<tr>
<td>Elective</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 225, 230</td>
</tr>
<tr>
<td>SENG 265</td>
</tr>
<tr>
<td>MATH 200, 201, 222</td>
</tr>
<tr>
<td>ELEC 216 or PHYS 216</td>
</tr>
<tr>
<td>STAT 260</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 320, 330, 355, 360</td>
</tr>
</tbody>
</table>

1. ENGL 225 can be substituted for ENGR 240.
2. Students must contact the Computer Science Co-op Advising Office in order to register for MATH 133.

### Major in Computer Science (Bioinformatics Option)

<table>
<thead>
<tr>
<th>Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A</td>
</tr>
<tr>
<td>CHEM 101 or 150</td>
</tr>
<tr>
<td>CSC 110, 115, 212</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
</tr>
<tr>
<td>Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second- and Third-year Courses Sequence A: Probabilistic Modelling Emphasis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2 Sequence A</td>
</tr>
<tr>
<td>BIOL 200</td>
</tr>
<tr>
<td>BIOL 230</td>
</tr>
<tr>
<td>CHEM 231</td>
</tr>
<tr>
<td>CSC 225</td>
</tr>
<tr>
<td>MATH 200, 222, 233A</td>
</tr>
<tr>
<td>SENG 265</td>
</tr>
<tr>
<td>STAT 260, 261</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Sequence A</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 362</td>
</tr>
<tr>
<td>CSC 230, 320, 370</td>
</tr>
<tr>
<td>CSC 340 or 349A</td>
</tr>
<tr>
<td>ENGR 240</td>
</tr>
<tr>
<td>MATH 201, 352, 452</td>
</tr>
<tr>
<td>Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second- and Third-year Courses Sequence B: Biochemistry Emphasis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2 Sequence B</td>
</tr>
<tr>
<td>BIOL 200</td>
</tr>
<tr>
<td>BIOL 230</td>
</tr>
<tr>
<td>CHEM 231</td>
</tr>
<tr>
<td>CSC 225</td>
</tr>
<tr>
<td>ENGR 240</td>
</tr>
<tr>
<td>MATH 222, 233A</td>
</tr>
<tr>
<td>SENG 265</td>
</tr>
<tr>
<td>STAT 260, 261</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Sequence B</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 362</td>
</tr>
<tr>
<td>BIOL 300</td>
</tr>
<tr>
<td>CSC 230, 320, 340, 370</td>
</tr>
<tr>
<td>MATH 201 or 202</td>
</tr>
<tr>
<td>Electives</td>
</tr>
</tbody>
</table>
BIOL 435 ................................................................. 1.5
CSC 428, 498∗ ........................................................ 3.0
Other courses† ..................................................... 10.5
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 CSC or 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 MATH 333A and 334 for the Mathematics option, or STAT 350 and 353 for the Statistics option) and have obtained a Grade Point Average of at least 6.0 in all 300-level Computer Science, Mathematics, and Statistics courses taken

Combined Honours students are expected to maintain a GPA of at least 5.0 in their third year to remain in the program. A student graduating in the Combined Honours Program will be required for an Honours degree “With Distinction” if the student achieves a graduating GPA of 6.5 or greater. A student who does not obtain a GPA of 6.5 will be recommended for an Honours degree if the student achieves a graduating GPA of at least 5.0.

BSc Honours: Combined Program in Computer Science and Mathematics

Year 1
CSC 110, 115, 212 ................................................. 4.5
MATH 100, 101, 122 ............................................. 4.5
ENGL 115 or 135 ................................................... 1.5
Electives.............................................................. 4.5

Year 2
CSC 225, 230, SENG 265 ..................................... 4.5
MATH 200 (or 205), 201, 222, 233A, 233C .......... 7.5
STAT 260² ........................................................... 1.5
ENGR 240¹ .......................................................... 1.5

Year 3
CSC 320, 326, 349A, 349B ..................................... 6.0
MATH 333A, 333C, 334 ......................................... 4.5
STAT 261 ........................................................... 1.5
Other Courses 3 ................................................... 3.0

Year 4
MATH 434, 438 ...................................................... 3.0
CSC 499 .............................................................. 1.5
Two of CSC 425, 445, 449, 484 ........................... 3.0
Other Courses 4 ................................................... 7.5

BSc Major: Combined Program in Computer Science and Mathematics

Year 1
CSC 110, 115, 212 ................................................. 4.5
MATH 100, 101, 122 ............................................. 4.5
ENGL 115 or 135 ................................................... 1.5
Electives.............................................................. 4.5

Year 2
CSC 225, 230, SENG 265 ..................................... 4.5
MATH 200 (or 205), 201, 222, 233A, 233C .......... 7.5
STAT 260² ........................................................... 1.5
ENGR 240¹ .......................................................... 1.5

Year 3
CSC 320, 326, 349A, 349B ..................................... 6.0
MATH 333A, 333B, 333A ......................................... 4.5
One of MATH 322, 333C ...................................... 1.5
STAT 261 ........................................................... 1.5
Other Courses 3 ................................................... 1.5

Year 4
Other Courses 3 ................................................... 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 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
MATH 100, 101, 122 ............................................. 4.5
ENGL 115 or 135 ................................................... 1.5
Electives.............................................................. 4.5

Year 2
CSC 225, 230, SENG 265 ..................................... 4.5
MATH 200 (or 205), 201, 233A ......................... 4.5
STAT 260, 261 ...................................................... 3.0
ENGR 240¹ .......................................................... 1.5
Electives.............................................................. 1.5

Year 3
CSC 320, 326, 349A, 349B ..................................... 6.0
MATH 222 ........................................................... 1.5
STAT 350, 353 ..................................................... 3.0
Other Courses 4 ................................................... 4.5

Year 4
Two of CSC 425, 445, 446, 449, 484 ................. 3.0
CSC 499 .............................................................. 1.5
STAT 450 ............................................................ 1.5
Three of MATH 452, STAT 354, 355, 357, 453, 454, 455, 456, 457, 458, 459³ ..................... 4.5
Other Courses 4 ................................................... 4.5

BSc Major: Combined Program in Computer Science and Statistics

Year 1
CSC 110, 115, 212 ................................................. 4.5
MATH 100, 101, 122 ............................................. 4.5
ENGL 115 or 135 ................................................... 1.5
Electives.............................................................. 4.5

Year 2
CSC 225, 230, SENG 265 ..................................... 4.5
MATH 200 (or 205), 201, 233A ......................... 4.5
STAT 260, 261 ...................................................... 3.0
ENGR 240¹ .......................................................... 1.5
Electives.............................................................. 1.5

Year 3
CSC 320, 326, 349A, 349B ..................................... 6.0
MATH 222 ........................................................... 1.5
STAT 350, 353 ..................................................... 3.0
Other Courses 4 ................................................... 4.5

Year 4
Three of STAT 354, 355, 357, 450, 453, 454, 455, 456, 457, 458, 459³ ..................... 4.5
Other Courses ² .................................................... 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
### FACULTY OF ENGINEERING

Higher. In selecting these latter 4.5 units, students are encouraged to take at least one course from each of the two Departments. CENG 420 and a maximum of two SENG courses with at least one at the 400 level may be substituted for these Computer Science courses.

3. STAT 454 can be taken more than once in different topics.
4. These 9 units of other courses must include at least 4.5 units of Computer Science, Mathematics or Statistics at the 300 level or higher. These 4.5 units may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level. In selecting these courses, students are encouraged to take at least one course from each of the two Departments.

**Combined 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**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 120, 220</td>
<td>PHYS 214, 215, 216</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
<td>MATH 200, 201, 233A</td>
</tr>
<tr>
<td>CSC 110, 115, 212</td>
<td>CSC 225, 230, 242</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>SENG 265</td>
</tr>
<tr>
<td>Elective</td>
<td>ENGR 240</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>15.0</td>
<td>16.5</td>
</tr>
</tbody>
</table>

**First- and Second-year Courses: Sequence B**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 112</td>
<td>PHYS 214, 215, 216, 220</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
<td>MATH 200, 201, 233A</td>
</tr>
<tr>
<td>CSC 110, 115, 212</td>
<td>CSC 225, 230, 242</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>SENG 265</td>
</tr>
<tr>
<td>Elective</td>
<td>ENGR 240</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>15.0</td>
<td>18.0</td>
</tr>
</tbody>
</table>

**Third and Fourth Years: Honours Program**

<table>
<thead>
<tr>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 330A, 330B, 323 (or 325), 326</td>
<td>MATH 330A, 330B, 323 (or 325), 326</td>
<td>MATH 330A, 330B, 323 (or 325), 326</td>
</tr>
<tr>
<td>CSC 320, 349A, 349B, 355, 360</td>
<td>CSC 499 or PHYS 429B</td>
<td>CSC 499 or PHYS 429B</td>
</tr>
<tr>
<td>Electives</td>
<td>CSC electives</td>
<td>CSC electives</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>16.5</td>
<td>7.5</td>
<td>4.5</td>
</tr>
</tbody>
</table>

**Combined Program in Health Information Science and Computer Science**

Enrollment in this program is limited. Students must contact either the School of Health Information Science or the Department of Computer Science before registering in any courses. This is a mandatory Co-op program. 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.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 130, 140</td>
<td>HINF 200, 201, 280</td>
<td>3 HINF courses at the 300 level</td>
<td>2 HINF courses at the 400 level</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
<td>1 HINF course at the 200 level</td>
<td>CSC 375</td>
<td>CSC 305</td>
</tr>
<tr>
<td>CSC 110, 115, 212</td>
<td>PHYS 222</td>
<td>2 of CSC 320, 322, 330, 355, 360, SENG 321</td>
<td>2 CSC at the 400 level</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>STAT 255 or 260</td>
<td>Electives</td>
<td>Electives</td>
</tr>
<tr>
<td>Elective</td>
<td>CSC 225, 230</td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>SENG 265</td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>15.0</td>
<td>ENGR 240</td>
<td>15.0</td>
<td>15.0</td>
</tr>
</tbody>
</table>

1. These Physics electives must be at the 300 level or higher. These electives must be chosen in consultation with the Department of Physics and Astronomy.
2. These 4.5 units of other Science courses must be at the 400 level and may include CENG 420 or 1.5 units of SENG courses.
3. At least 3 of these 4.5 units of other Science courses must be at the 400 level. A maximum of 3 of these units can be SENG courses at a similar level.

Note: One of PHYS 460 and ASTR 460 is recommended for third and fourth year honours and major students.

**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.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103, 104, 105, 106</td>
<td>ART 150</td>
<td>6 units of ART at the 300-level</td>
<td>6 units of ART at the 300- or 400-level</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
<td>5 of ART 200, 201, 210, 211, 220, 221</td>
<td>2 of CSC 330, 335, 360, 370, SENG 330</td>
<td>CSC 305</td>
</tr>
<tr>
<td>CSC 110, 115</td>
<td>MATH 233A</td>
<td>SENG 310</td>
<td>2 CSC at the 400 level</td>
</tr>
<tr>
<td>Elective</td>
<td>CSC 225, 230</td>
<td>Electives</td>
<td>Electives</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>SENG 265</td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
</tr>
</tbody>
</table>

*Students who need to fulfill the UVic English requirement should use this elective option to do so.*
### Combined Major in Psychology and Computer Science

The Department of Psychology and the Department of Computer Science have designed a program leading to a combined BSc Major Degree. Students intending to pursue this combined program must consult the Undergraduate Adviser in either Psychology or Computer Science at the latest after completing all of the first-year requirements:

**Year 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A or 215, 190B</td>
<td>3.0</td>
</tr>
<tr>
<td>CSC 110, 115</td>
<td>3.0</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 151, 122</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>Elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**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 102, 222</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 201, 215A</td>
<td>3.0</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>Elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Year 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of CSC 322, 326, 360, 370</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 300A and 300B or STAT 255 and 256</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 300 level3</td>
<td>3.0</td>
</tr>
<tr>
<td>SENG 310 or CSC 320</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>6.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
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</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 level4</td>
<td>4.5</td>
</tr>
<tr>
<td>CSC 497</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 300/400 level5</td>
<td>4.5</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

1. Students can replace MATH 151 and 102 with MATH 100 and 101.
2. Minimum grade requirements:
   - PSYC 100A and 100B with a grade of at least C+ in each
   - PSYC 201, 215A with a grade of at least C in each
   - PSYC 300A, 300B with a grade of at least C in each
3. These 7.5 units of 300 and 400 level PSYC must include at least one 400 level PSYC course other than PSYC 400A, 401, 490, or 499. The following upper-level courses are suggested according to student interests:
   - **Artificial Intelligence:**
     - PSYC 311B, 317A, 317B, 323 (215A is a prerequisite), and related 400-level courses
   - **Human Factors and Computer-Human Interfaces:**
     - PSYC 311B, 317A, 317B, 334, 250 and related 400-level courses
   - **Game Programming:**
     - PSYC 311, 335, 336, 339, 340 and related 400-level courses

4. One of these CSC 400 level courses may be replaced by a SENG 400 level course.
5. Students in this combined program who wish to participate in the Co-op Program must be accepted by the Co-op Programs of both Computer Science and Psychology. They must complete two work terms in each Co-op program in order to complete their Co-op degree requirements. Should the admission and graduation requirements vary in the two program areas, students must meet the lower GPA requirement.
6. Students choosing Computer-Human Interface courses in Psychology should enroll in SENG 310. All other students should enroll in CSC 320.

### Combined Program in Geography and Computer Science (Geomatics)

The Department of Geography and the Department of Computer Science have designed a program leading to a combined BSc Major Degree. The Geomatics program is aimed at students whose interests span the fields of cartography, Computer Science, Geographic Information Systems, remote sensing, spatial analysis and surveying.

Students intending to pursue this combined program must consult the Undergraduate Adviser in either Geography or Computer Science after completing all of the first-year requirements.

**Geography and Computer Science (Geomatics) Program Requirements**

**Year 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115, 212</td>
<td>4.5</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 101A, 101B</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100 and 101, or MATH 102 and 151</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 122</td>
<td>1.5</td>
</tr>
<tr>
<td>Elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
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</table>

**Year 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 225, 230</td>
<td>3.0</td>
</tr>
<tr>
<td>ENGR 240</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 222, 226, 228</td>
<td>4.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Year 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 360, 370</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 319 or 322</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 328 or 329</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 323, 325</td>
<td>3.0</td>
</tr>
<tr>
<td>SENG 310</td>
<td>1.5</td>
</tr>
<tr>
<td>1.5 units of CSC at the 300 level</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Year 4**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 422, 428</td>
<td>3.0</td>
</tr>
<tr>
<td>CSC 305 or 426</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of GEOG 418, 420</td>
<td>3.0</td>
</tr>
<tr>
<td>3.0 units of CSC at the 400 level</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>
</tr>
</tbody>
</table>

1. ENGL 225 can be substituted for ENGR 240.
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 460 requires CSC 355 and 360 and either SENG 321 or 365 as prerequisites. ELEC 459 requires ELEC 407 as prerequisite.
4. One of these courses may be SENG at the 400 level.
5. Or acceptable replacement.
6. MUS 180 must be completed before the end of Year 2. MUS 270A/B must be taken concurrently with MUS 201A/B.
7. 300- or 400-level music courses, with permission of the instructor.

General Degree (BA or BSc - Faculties of Humanities, Science and Social Sciences) Admission to the General Program

Students intending to complete a General degree in Computer Science will normally register in the faculty of the second area of specialization required in the degree.

Completion of the following set of courses satisfies the requirements for a BA or BSc General Degree Computer Science as offered by the Faculties of Humanities, Social Sciences and Science. Students wishing to complete a General Program should register in whichever of these three faculties is appropriate based on their second area of specialization.

Year 1

CSC 110, 115
MATH 100 and 101, or 102 and 151
MATH 122

Year 2

CSC 212, 225, 230
SENG 265
STAT 252 or 254 or 255 or 260 or ECON 246

Years 3 and 4

A total of 9 additional units of Computer Science courses numbered 300 or higher. Two of these CSC courses can be replaced by SENG courses at a similar level.

MINOR IN COMPUTER SCIENCE

Students in other departments may complete a Minor in Computer Science by completing the Major or Honours requirements of that department, in conjunction with either the Computer Science General Program requirement or by completing the set of courses listed below.

Year 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

Panajotis Agathoklis, DiplEng, Dr Sc Tech (Swiss Fed Inst of Tech), FEIC, PEng, Professor

Andreas Antoniou, BSc, PhD (Lond), Doctor Honoris Causa (Metsotia, Greece), FIEEE, FIEE, PEng, Distinguished Professor Emeritus

Ashoka K.S. Bhat, BSc (Mys), BE, ME (Indian Inst of Sci), MASc, PhD (Tor), FIEEE, PEng, Professor

Jens Bornemann, Ing (Hamburg), Dipl-Ing, Dr-Ing (Bremen), FIEEE, PEng, Professor and Graduate Adviser

Thomas E. Darcie, BSc (Wat), MASc, PhD (Tor), FIEEE, Professor and Canada Research Chair in Optical Systems for Communications, Imaging and Sensing (Tier 1)

Nikitas J. Dimopoulos, BSc (National and Kapodistriian U of Athens), MSc, PhD (Maryland), FEIC, Professor and Chair, and Lansdowne Chair in Computer Engineering

Peter F. Driessen, BSc, PhD (Brit Col), PEng, Professor

Fayeze Gebali, BSc (Cairo), BSc (Ain Sham), PhD (Brit Col), PEng, Professor

T. Aaron Gulliver, BSc, MSc, PhD (Uvic), PEng, Professor and Canada Research Chair in Advanced Wireless Communications (Tier 1)

Wolfgang J.R. Hoefner, Dipl-Ing (Aachen), Dr-Ing (Grenoble), FIEEE, FRSC, PEng, Professor Emeritus

R. Lynn Kirlin, BS, MS (Wyo), PhD (Utah State), FIEEE, PEng, Professor Emeritus

Harry L. Kwok, BSc (Calif, LA), PhD (Stan), PEng, Professor

Hong-Chuan Yang, BE (Jilin), MSc in Applied Mathematics, MSc in Electrical Engineering, PhD (Minn), Associate Professor

Visiting, Adjunct and Cross-listed Appointments:

Mostafa I.H. Abd-El-Barr, BSc, MSc (Cairo), PhD (Tor), Adjunct Professor (2005-08)

Christopher J. Atkins, MBBS, FRCP (Lond), FRCPC (Can), Adjunct Professor (2007-10)

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 F. 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 (2007-10)
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)
Smain Amari, DES (Constantine), MSEE, PhD (Wash U), Adjunct Associate Professor (2007-10)
Andrea Basso, MSc (Trieste), PhD (Swiss Fed Inst of Tech), Adjunct Associate Professor (2005-08)
Stéphane Claude, DEUG (Le Havre), Ecole Nationale Supérieure d’Ingénieurs de Caen (Caen), DEA (Caen), PhD (Lond), Adjunct Associate Professor (2005-08)
James S. Collins, BSc (Dal), BEng, MEng (Dal/NSTC), PhD (Wash), PEng, Adjunct Associate Professor (2006-09)
Stuart Bergen, BSc (Calg), PhD (UVic), Adjunct Assistant Professor (2006-09)
M. Wathiq El-Kharashi, BSc, MSc (Ain Shams), PhD (UVic), Adjunct Assistant Professor (2006-09)
Sudhakar N.M. Ganti, BTech (JNTU), MSc, PhD (Dal/NSTC), Adjunct Assistant Professor (2006-09)
Paul H. Kraeutner, BASc (Brit Col), MSc (Rhode Is), PhD (Simon Fraser), Adjunct Assistant Professor (2007-11)
Jong-Hyeon Henry Lee, BS (Sogang), MS (Pohang), PhD (Cambridge), Adjunct Assistant Professor (2007-10)
Wei Li, BEng, MEng (Beijing U of Posts and Telecom), PhD (UVic), Adjunct Assistant Professor (2006-09)
Wei Lu, BASc, MSc (HUST), PhD (UVic), Adjunct Assistant Professor (2006-09)
Rafael Parra-Hernández, BlndEng (Instituto Tecnológico de Veracruz), MSc (Centro Nacional de Investigacion y Desarrollo Tecnologico, Cuernavaca, Mexico), PhD (UVic), Adjunct Assistant Professor (2007-10)
Andrew Truman, BSc (East Lond), PhD (Southampton), Adjunct Assistant Professor (2007-10)
George Tsanetakis, BSE (Crete), MA, PhD (Princeton), Adjunct Assistant Professor (2006-08)
Hao Zhang, BSc in Electronics Eng, BSc in Industrial Mgmt (Shanghai Jiaotong), MBA (New York Inst of Tech), PhD (UVic), Adjunct Assistant Professor (2007-10)

PROGRAMS IN ELECTRICAL AND COMPUTER ENGINEERING

Undergraduate Programs

The Department of Electrical and Computer Engineering offers programs leading to the BEng degree in Electrical Engineering, the BEng degree in Computer Engineering and, jointly with the Department of Computer Science, the BSEng degree (Bachelor of Software Engineering). Both the BEng programs and BSEng program are accredited by the Canadian Engineering Accreditation Board (CEAB) of the Canadian Council of Professional Engineers. Accreditation ensures that graduates of the programs satisfy the academic requirements for registration with the provincial Associations of Professional Engineers. The BEng in Electrical Engineering program has 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.

Biomedical Engineering Option

Students are admitted to the Biomedical Engineering option at the completion of their 1B term. Enrolment is limited and students are cautioned that they must apply for admission and be admitted before registering in any of the option-required courses.

For further details on the Biomedical Engineering Option, please see BEng in Computer Engineering (Bioinformatics Engineering Option), page 90, and BEng in Electrical Engineering (Biomedical Engineering Option), page 95.

Computer Music Option

Enrolment in the Computer Music Option is limited. Students must apply for admission before registering in any of its required courses.

For further details about the Computer Music Option, see BEng in Electrical Engineering (Computer Music Option), page 96, or BEng in Computer Engineering (Computer Music Option), page 93.

Management Option

The Faculty of Engineering in conjunction with the Faculty of Business offers a Management Option. For further details, see BEng and BSEng Management Option on page 83.

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 96.

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 MSc or MEng degree programs. 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 81), 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.

2008-09 UVIC CALENDAR

<table>
<thead>
<tr>
<th>FACULTY OF ENGINEERING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical Engineering Core</strong></td>
</tr>
<tr>
<td>CENG 241</td>
</tr>
<tr>
<td>CENG 255</td>
</tr>
<tr>
<td>CENG 355</td>
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<tr>
<td>ELEC 200</td>
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<td>ELEC 220</td>
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<td>ELEC 499</td>
</tr>
<tr>
<td>ENGR 297</td>
</tr>
<tr>
<td>MECH 295</td>
</tr>
</tbody>
</table>

**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 (Biomedical Engineering Option)**

In addition to the Electrical Engineering Core, Specialization courses and electives, the Biomedical Engineering Option requires completion of an additional 6.5 units of courses as follows:

- BIOL 225 | Principles of Cell Biology |
- EPHE 141 | Introductory Human Anatomy |
- ELEC 335 | Biosensors and Instrumentation |

**Physics**

Physics web course (0.5 unit) to provide necessary pre-requisite for PHYS 432
Notes - Students in this option must take BIOL 190A as their Science Elective and ELEC 435 as a Technical Elective.
- Students must apply to be accepted into this option normally during Term 1B.
- Admission to this option requires completion of Biology 11 and is subject to enrolment limitations.
- This option is offered subject to resources.

BEng Program in Electrical Engineering (Computer Music Option)

In addition to the Electrical Engineering Core, Specialization courses and electives, the Computer Music Option requires completion of the following courses:

- MUS 306 Recording Techniques
- MUS 307 Introduction to Computer Music

Plus 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 458 Mechatronics
   - SENG 440 Embedded Systems

c. Two courses (3 units) from the following list of courses where at least one has to be a 466 course:
   - ELEC 460 Control Theory and Systems: II
   - ELEC 466 System-on-Chip Engineering for Signal Processing
   - MECH 466 Microelectromechanical Systems
   - MECH 458 Mechatronics
   - SENG 440 Embedded Systems
   - SENG 466 Software for Embedded and Mechatronics Systems

Note - Students in this option do not need to take ELEC 499 as part of their program. The ELEC 499 requirement is replaced by the requirement to take ENGR 466.

- EE students who wish to take SENG 466 as part of their MES option should note that there are 2nd and 3rd year level course pre-requisites which are not part of the regular Electrical Engineering program.
- The units for MECH 458 and SENG 440 cannot be counted under both b and c.

Students are advised that because of limited resources, it may be necessary to limit the offering of this program.

Credit for one work term will be given to students completing this option due to the industrial exposure provided.

Students who complete all requirements of a BEng Program as well as all requirements of the Mechatronics and Embedded Systems option will receive their BEng degree in the appropriate specialization, and their transcripts will also bear the designation, "Mechatronics and Embedded Systems Option."

All courses taken in the Mechatronics and Embedded Systems option will be included in the Faculty standing review of students in the BEng Program.

BEng Program in Electrical Engineering (Physics Option)

In addition to the Electrical Engineering Core, Specialization courses and electives, the Physics Option requires completion of the following additional courses:

- MATH 326 Introduction to Partial Differential Equations
- PHYS 215 Introductory Quantum Physics
- PHYS 313 Atomic and Molecular Physics
- PHYS 314 Nuclear Physics and Reactivity
- PHYS 321 Classical Mechanics: I
- PHYS 323 Quantum Mechanics: I
- PHYS 325 Optics

Students who complete the Physics Option will receive their BEng degree in the appropriate Specialization, and their transcripts will also bear the designation "Physics Option." All courses taken in the Physics Option will count in the Faculty standing determination.

BEng Program in Computer Engineering

The BEng program in Computer Engineering requires completion of the BEng Core (see page 81), the Computer Engineering Core, one of two Specializations and the required number of elective courses associated with that Specialization.

Computer Engineering Core

- CENG 241 Digital Design I
- CENG 245 Discrete Structures
- CENG 255 Introduction to Computer Architecture
- CENG 355 Microprocessor-Based Systems
- CENG 455 Real Time Computer Systems
- CENG 460 Computer Communication Networks
- CENG 499 Design Project
- CSC 225 Algorithms and Data Structures: I
- CSC 360 Introduction to Operating Systems
- ELEC 200 Engineering Graphics
- ELEC 220 Electrical Properties of Materials
- ELEC 260 Signal Analysis
- ELEC 300 Linear Circuits: II
- ELEC 310 Digital Signal Processing: I
- ELEC 330 Electronic Circuits: I
- ELEC 395 Seminar

ENGR 297 Technology and Society
SENG 321 Requirements Engineering and Formal Specifications

Computer Engineering Specializations

Systems Engineering

- CENG 441 Design of Digital and VLSI Systems
- CENG 450 Computer Systems and Architecture
- ELEC 320 Electronic Devices: I
- ELEC 350 Communications Theory and Systems: I
- ELEC 360 Control Theory and Systems: I

Software Engineering

- ELEC 350 Communications Theory and Systems: I
- CSC 370 Database Systems
- SENG 330* Object Oriented Software Development
- SENG 422 Software Architecture
- SENG 426 Software Quality Engineering
- SENG 462 Distributed Systems and the Internet

*SENG 330 is not required for students who started term 3B in or before September 2000.

BEng Program in Computer Engineering (Biomedical Engineering Option)

In addition to the Computer Engineering Core, Specialization courses and electives, the Biomedical Engineering Option requires completion of an additional 6.5 units of courses as follows:

- BIOL 225 Principles of Cell Biology
- EPHE 141 Introductory Human Anatomy
- ELEC 335 Biosensors and Instrumentation
- PHYS 432 Medical Physics

Physics web course (0.5 unit) to provide necessary pre-requisite for PHYS 432

Notes - Students in this option must take BIOL 190A as their Science Elective and ELEC 435 as a Technical Elective.
- Students must apply to be accepted into this option normally during Term 1B.
- Admission to this option requires completion of Biology 11 and is subject to enrolment limitations.
- This option is offered subject to resources.

BEng Program in Computer Engineering (Computer Music Option)

In addition to the Computer Engineering Core, Specialization courses and electives, the Computer Music Option requires completion of the following courses:

- MUS 306 Recording Techniques
- MUS 307 Introduction to Computer Music

Plus 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
### Technical Electives

Electrical and Computer Engineering Technical Electives are normally offered as follows:

**LIST 1***

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 421</td>
<td>Computer Vision</td>
</tr>
<tr>
<td>CENG 461</td>
<td>Design and Analysis of Computer Networks</td>
</tr>
<tr>
<td>CENG 496</td>
<td>Selected Topics in Computer Engineering</td>
</tr>
<tr>
<td>CSC 454</td>
<td>Fault Tolerant Computing</td>
</tr>
<tr>
<td>ELEC 405</td>
<td>Error Control Coding and Sequences</td>
</tr>
<tr>
<td>ELEC 412</td>
<td>Electronic Devices: II</td>
</tr>
<tr>
<td>ELEC 420</td>
<td>Nanotechnology</td>
</tr>
<tr>
<td>ELEC 426</td>
<td>Robotics</td>
</tr>
<tr>
<td>ELEC 450</td>
<td>Communications Theory and Systems: II</td>
</tr>
<tr>
<td>ELEC 452</td>
<td>Optical Communication Technology</td>
</tr>
<tr>
<td>ELEC 462</td>
<td>Microelectromechanical Systems</td>
</tr>
<tr>
<td>ELEC 466</td>
<td>System-on-Chip Engineering</td>
</tr>
<tr>
<td>ELEC 484</td>
<td>Video Processing: Algorithms and Applications in Media</td>
</tr>
<tr>
<td>ELEC 487</td>
<td>Control Theory and Systems: II</td>
</tr>
<tr>
<td>ELEC 489</td>
<td>Analog VLSI Systems</td>
</tr>
<tr>
<td>ELEC 490</td>
<td>Electrical Drive Systems</td>
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<tr>
<td>ELEC 492</td>
<td>Mobile Communications</td>
</tr>
<tr>
<td>ELEC 493</td>
<td>Embedded Systems</td>
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<tr>
<td>ELEC 494</td>
<td>Distributed Systems and the Internet</td>
</tr>
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</table>

**LIST 2**, **

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<thead>
<tr>
<th>Code</th>
<th>Course</th>
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<tbody>
<tr>
<td>CENG 420</td>
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</tr>
<tr>
<td>CENG 441</td>
<td>Design of Digital and VLSI Systems</td>
</tr>
<tr>
<td>CENG 453</td>
<td>Introduction to Parallel and Cluster Computing</td>
</tr>
<tr>
<td>CENG 460</td>
<td>Computer Communication Networks</td>
</tr>
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<td>ELEC 404</td>
<td>Microwaves and Fiber Optics</td>
</tr>
<tr>
<td>ELEC 410</td>
<td>Power Electronics</td>
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</table>

### 2008-09 UVIC CALENDAR

### Physics Option Electives

**List P1 September-December Term**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PHYS 410</td>
<td>Topics in Mathematical Physics: I</td>
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<tr>
<td>PHYS 411</td>
<td>Time Series Analysis</td>
</tr>
<tr>
<td>PHYS 415</td>
<td>General Relativity and Cosmology</td>
</tr>
<tr>
<td>PHYS 426</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>PHYS 429A</td>
<td>Honours Laboratory</td>
</tr>
</tbody>
</table>

**List P2 January-April Term**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PHYS 420</td>
<td>Topics in Mathematical Physics: II</td>
</tr>
<tr>
<td>PHYS 421</td>
<td>Statistical Mechanics</td>
</tr>
<tr>
<td>PHYS 422</td>
<td>Electromagnetic Theory</td>
</tr>
<tr>
<td>PHYS 424</td>
<td>Particle Physics</td>
</tr>
<tr>
<td>PHYS 427</td>
<td>Geophysics</td>
</tr>
<tr>
<td>PHYS 428</td>
<td>Introductory Solid State Physics</td>
</tr>
<tr>
<td>PHYS 429B</td>
<td>Honours Project</td>
</tr>
</tbody>
</table>

### 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

For students starting Terms 1A or 2A in September 2007:

**Term 1A**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
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<tbody>
<tr>
<td>CSC 111</td>
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<tr>
<td>ENGR 020</td>
<td>CHEM 115</td>
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<tr>
<td>MATH 100</td>
<td>ELEC 199</td>
</tr>
<tr>
<td>MATH 133</td>
<td>ENGL 115/135</td>
</tr>
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<td>ENGR 240</td>
<td>MATH 101</td>
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<td>PHYS 122</td>
<td>MATH 202</td>
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**Term 2A**

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<td>SENG 410</td>
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**Term 3A**

<table>
<thead>
<tr>
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<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>CENG 349A</td>
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<tr>
<td>ELEC 220</td>
<td>ELEC 340</td>
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<td>ELEC 295</td>
<td>ELEC 380</td>
</tr>
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<td>STAT 254</td>
<td>ELEC 340</td>
</tr>
</tbody>
</table>

**Term 3B**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
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<tbody>
<tr>
<td>CENG 490</td>
<td>Directed Studies</td>
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<tr>
<td>CENG 490</td>
<td>Topics in Software Engineering</td>
</tr>
<tr>
<td>CENG 490</td>
<td>Directed Studies</td>
</tr>
<tr>
<td>ELEC 490</td>
<td>Topics in Software Engineering</td>
</tr>
<tr>
<td>ELEC 490</td>
<td>Directed Studies</td>
</tr>
<tr>
<td>ELEC 490</td>
<td>Topics in Software Engineering</td>
</tr>
<tr>
<td>ELEC 490</td>
<td>Directed Studies</td>
</tr>
<tr>
<td>ELEC 490</td>
<td>Topics in Software Engineering</td>
</tr>
<tr>
<td>ELEC 490</td>
<td>Directed Studies</td>
</tr>
</tbody>
</table>

*Courses that are not required by at least one of the Specializations may not be offered every year.

** Other 400-level or graduate courses may be considered as a List 2 Technical Elective with the permission of the Department (refer to page 21 of the Graduate Calendar).
ACADEMIC SCHEDULE: BENG in ELECTRICAL ENGINEERING (PHYSICS OPTION)

**Terms 1A, 1B and 2A**

For students starting Terms 1A or 2A in September 2007:

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 111</td>
<td>CHEM 150</td>
<td>CENG 255</td>
</tr>
<tr>
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<td>CSC 115</td>
<td>CENG 241</td>
</tr>
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<td>MATH 100</td>
<td>ELEC 199</td>
<td>ELEC 320</td>
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<tr>
<td>MATH 133</td>
<td>ENGL 115/135</td>
<td>ENGR 240</td>
</tr>
<tr>
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</tr>
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</table>

**Terms 2B to 4B**

For students entering term 4B in or after January 2003:

<table>
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<th>Term 2B</th>
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<tbody>
<tr>
<td>CENG 241</td>
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<td>CENG 395</td>
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<td>CSC 360</td>
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<td>ELEC 250</td>
<td>ELEC 320</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 330</td>
<td>2 Specialization Courses</td>
</tr>
</tbody>
</table>
| STAT 254 | ELEC 340 | ** For Systems Engineering, students must take a total of two Specialization Electives selected from either List 1 or 2 of which at least one must be from List 1. **

**ACADEMIC SCHEDULE: BENG in COMPUTER ENGINEERING (BIOMEDICAL ENGINEERING OPTION)**

**Terms 1A, 1B, 1C-Summer**

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 1C – Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 111</td>
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<td>BIOL 190A</td>
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<td>CENG 241</td>
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<tr>
<td>MATH 100</td>
<td>ELEC 199</td>
<td>ELEC 320</td>
</tr>
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<td>MATH 133</td>
<td>ENGL 115/135</td>
<td>ENGR 240</td>
</tr>
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</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 125</td>
<td>PHYS 295</td>
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**Terms 2A to 4B**

<table>
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<th>Term 3A(^7)</th>
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<tbody>
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<td>CENG 255</td>
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<table>
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<tr>
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<td>CENG 441</td>
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<td>ELEC 350</td>
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<td>SENG 321</td>
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**ACADEMIC SCHEDULE: BENG in COMPUTER ENGINEERING (BIOMEDICAL ENGINEERING OPTION)**

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 1C – Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 111</td>
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<td>BIOL 190A</td>
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<td>MATH 133</td>
<td>ENGL 115/135</td>
<td>ENGR 240</td>
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<tr>
<td>MECH 141</td>
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</tr>
<tr>
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<td>PHYS 125</td>
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</tbody>
</table>

**For students in the Systems Engineering Specialization:**

<table>
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<th>Term 3A(^7)</th>
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<tbody>
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<tr>
<td>ELEC 260</td>
<td>ELEC 330</td>
<td>2 Specialization Courses</td>
</tr>
</tbody>
</table>
| STAT 254 | ELEC 340 | ** For Systems Engineering, students must take a total of two Specialization Electives selected from either List 1 or 2 of which at least one must be from List 1. **

**For Software Engineering:**

For students entering term 4B in or after January 2003:

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A(^7)</th>
<th>Term 3B</th>
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</thead>
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<tr>
<td>ELEC 260</td>
<td>ELEC 330</td>
<td>2 Specialization Courses</td>
</tr>
</tbody>
</table>
| STAT 254 | ELEC 340 | ** For Software Engineering, students must take a total of two Specialization Electives selected from either List 1 or 2 of which at least one must be from List 1. **

**Specializations:**

**Systems Engineering**

<table>
<thead>
<tr>
<th>Term 3B</th>
<th>Term 4A</th>
<th>Term 4B</th>
</tr>
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<tr>
<td>ELEC 350</td>
<td>CENG 441</td>
<td>CENG 450</td>
</tr>
</tbody>
</table>
| ELEC 360 | SENG 321 | ** For Software Engineering, students must take a total of two Specialization Electives selected from either List 1 or 2 of which at least one must be from List 1. **

**Software Engineering**

<table>
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<tr>
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<th>Term 4B</th>
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<td>CSC 370</td>
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<td>SENG 390</td>
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**ACADEMIC SCHEDULE: BENG in COMPUTER ENGINEERING (BIOMEDICAL ENGINEERING OPTION)**

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 1C – Summer</th>
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<tbody>
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<td>CSC 111</td>
<td>CHEM 150</td>
<td>BIOL 190A</td>
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<td>ENGR 020(^7)</td>
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<td>CENG 241</td>
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**For students in the Systems Engineering Specialization:**

<table>
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<td>CENG 241</td>
<td>CHEM 150</td>
<td>CENG 395</td>
</tr>
<tr>
<td>ELEC 300</td>
<td>CSC 225</td>
<td>CENG 385</td>
</tr>
<tr>
<td>ELEC 220</td>
<td>ELEC 310</td>
<td>CSC 360</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>ELEC 320</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 330</td>
<td>2 Specialization Courses</td>
</tr>
</tbody>
</table>
| STAT 254 | ELEC 340 | ** For Systems Engineering, students must take a total of two Specialization Electives selected from either List 1 or 2 of which at least one must be from List 1. **

**For Software Engineering:**

For students entering term 4B in or after January 2003:

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A(^7)</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>CHEM 150</td>
<td>CENG 395</td>
</tr>
<tr>
<td>ELEC 300</td>
<td>CSC 225</td>
<td>CENG 385</td>
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<td>ELEC 220</td>
<td>ELEC 310</td>
<td>CSC 360</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>ELEC 320</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 330</td>
<td>2 Specialization Courses</td>
</tr>
</tbody>
</table>
| STAT 254 | ELEC 340 | ** For Software Engineering, students must take a total of two Specialization Electives selected from either List 1 or 2 of which at least one must be from List 1. **

**Specializations:**

**Systems Engineering**

<table>
<thead>
<tr>
<th>Term 3B</th>
<th>Term 4A</th>
<th>Term 4B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 350</td>
<td>CENG 441</td>
<td>CENG 450</td>
</tr>
</tbody>
</table>
| ELEC 360 | SENG 321 | ** For Software Engineering, students must take a total of two Specialization Electives selected from either List 1 or 2 of which at least one must be from List 1. **

**Software Engineering**

<table>
<thead>
<tr>
<th>Term 3B</th>
<th>Term 4A</th>
<th>Term 4B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 350</td>
<td>CENG 370</td>
<td>SENG 462</td>
</tr>
<tr>
<td>SENG 390</td>
<td>SENG 426</td>
<td>SENG 462</td>
</tr>
</tbody>
</table>

**ACADEMIC SCHEDULE: BENG in COMPUTER ENGINEERING (BIOMEDICAL ENGINEERING OPTION)**

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 1C – Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 111</td>
<td>CHEM 150</td>
<td>BIOL 190A</td>
</tr>
<tr>
<td>ENGR 020(^7)</td>
<td>CSC 115</td>
<td>CENG 241</td>
</tr>
<tr>
<td>MATH 100</td>
<td>ELEC 199</td>
<td>ELEC 320</td>
</tr>
<tr>
<td>MATH 133</td>
<td>ENGL 115/135</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MECH 141</td>
<td>MATH 101</td>
<td>MATH 200</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 125</td>
<td>PHYS 200</td>
</tr>
</tbody>
</table>
For students in the Systems Engineering Specialization:

**Term 2B**
- BIOL 225
- CSC 225
- ENGR 355
- ELEC 220
- ELEC 300
- CENG 460
- ELEC 250
- ELEC 310
- CSC 360
- ELEC 260
- ELEC 320
- ENGR 280
- STAT 254
- ELEC 330
- ELEC 335

**Term 3A**
- CENG 499
- Technical Elective

**Term 3B**
- BIOL 225
- CENG 305

**Term 4A**
- CENG 499
- Technical Elective

**Term 4B**
- CENG 455
- CSC 349A
- PHYS 432

For students in the Software Engineering Specialization:

**Term 2B**
- BIOL 225
- CSC 225
- ENGR 355
- ELEC 220
- ELEC 300
- CENG 460
- ELEC 250
- ELEC 310
- CSC 360
- ELEC 260
- ELEC 330
- ENGR 280
- STAT 254
- ELEC 335
- SENG 321

**Term 4A**
- CENG 499
- Technical Elective

**Term 4B**
- CENG 455
- CSC 349A
- PHYS 432

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 4A replaces Work/Other Term following Term 4B in the table on page 80 of the main Faculty entry.
3. CENG/ELEC 499 may be replaced by ENGR 400 with the permission of the Department Chair.
4. Or acceptable replacement.
5. Term 3B4A replaces the Work/Other term following Term 3B in the table.
6. Students must register in this course in the term preceding the final term of their program (academic or work term).
7. Students normally must successfully complete ENGR 200 (Introduction to Professional Practice) before undertaking their first work term.
8. MUS 407 is a two-term course taken in the fall and spring.
9. A course in basic science as required by CEAB guidelines. A current list of acceptable courses may be obtained from the ECE Office.
### Design and Computer Aided Engineering

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 410</td>
<td>Computer Aided Design</td>
</tr>
<tr>
<td>MECH 420</td>
<td>Finite Element Applications</td>
</tr>
<tr>
<td>MECH 425</td>
<td>Engineering Optimization and Applications</td>
</tr>
<tr>
<td>MECH 460</td>
<td>Computer Aided Manufacture</td>
</tr>
</tbody>
</table>

### Energy and Thermodynamics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 443</td>
<td>Advanced Thermodynamics</td>
</tr>
<tr>
<td>MECH 445</td>
<td>Cryogenic Engineering</td>
</tr>
<tr>
<td>MECH 447</td>
<td>Energy Systems</td>
</tr>
<tr>
<td>MECH 449</td>
<td>Fuel Cell Technology</td>
</tr>
</tbody>
</table>

### Advanced Manufacture

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 411</td>
<td>Planning and Control of Production Systems</td>
</tr>
<tr>
<td>MECH 460</td>
<td>Computer Aided Manufacture</td>
</tr>
<tr>
<td>MECH 462</td>
<td>Small Business Organization</td>
</tr>
<tr>
<td>MECH 465</td>
<td>Machine Vision and Sensors</td>
</tr>
</tbody>
</table>

### Fluids and Aerodynamics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 440</td>
<td>Water Wave Phenomena</td>
</tr>
<tr>
<td>MECH 475</td>
<td>Mechanics of Flight</td>
</tr>
<tr>
<td>MECH 492</td>
<td>Transport Phenomena</td>
</tr>
<tr>
<td>MECH 493</td>
<td>Design of Thermo-Fluid Systems</td>
</tr>
<tr>
<td>MECH 495</td>
<td>Computational Fluid Dynamics and Heat Transfer</td>
</tr>
</tbody>
</table>

### Selected Topics and Technical Projects

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 450</td>
<td>Special Topics Courses</td>
</tr>
<tr>
<td>MECH 499</td>
<td>Technical Project</td>
</tr>
</tbody>
</table>

### Courses from Other Departments

With the permission of the Department, students may select courses as technical electives from other departments.

### MECH 500-level Courses

With the permission of the Department, students may select courses as technical electives from the list of 500-level Mechanical Engineering graduate courses.

### Minor in Mechanical Systems

A Mechanical Systems Minor is open to all students outside the Mechanical Engineering program. It requires 9 units of MECH-designated courses, with a minimum of 4.5 units at the 300 level or above. In order to accommodate students from different backgrounds, as much flexibility as possible is given in course selection (consistent with course prerequisites). A suitable choice of second-year courses can lead to any areas of specialization given above in the Mechanical Engineering Technical Elective list.

### Academic Schedule: BEng in Mechanical Engineering

#### Terms 1A, 1B and 2A

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 111</td>
<td>CSC 115</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>ENGR 020</td>
<td>CHEM 150</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MATH 100</td>
<td>ELEC 199</td>
<td>MATH 200</td>
</tr>
<tr>
<td>MATH 133</td>
<td>ENGL 115/135</td>
<td>MATH 201</td>
</tr>
<tr>
<td>MECH 141</td>
<td>MATH 101</td>
<td>MECH 200</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 125</td>
<td>MECH 240</td>
</tr>
</tbody>
</table>

#### Terms 2B to 4B

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A2</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 250</td>
<td>CSC 349A2</td>
<td>ELEC 365</td>
</tr>
<tr>
<td>ENGR 297</td>
<td>MECH 320</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>MECH 220</td>
<td>MECH 335</td>
<td>MECH 330</td>
</tr>
<tr>
<td>MECH 242</td>
<td>MECH 345</td>
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<td>MECH 285</td>
<td>MECH 350</td>
<td>MECH 392</td>
</tr>
<tr>
<td>STAT 254</td>
<td>MECH 390</td>
<td>MECH 395</td>
</tr>
</tbody>
</table>

### Term 4A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 400 or ENGR 446</td>
<td>Advanced Manufacture</td>
</tr>
<tr>
<td>ENGR 4063, 4 or ENGR 498</td>
<td>Energy and Thermodynamics</td>
</tr>
<tr>
<td>MECH 435</td>
<td>Elective (1.5 units5)</td>
</tr>
<tr>
<td>MECH 455</td>
<td>4 Technical Electives</td>
</tr>
</tbody>
</table>

### Technical Elective Courses

Technical Electives are offered as follows:

#### May-August Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 420</td>
<td>MECH 450</td>
</tr>
<tr>
<td>MECH 421</td>
<td>MECH 460</td>
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<tr>
<td>MECH 430</td>
<td>MECH 462</td>
</tr>
<tr>
<td>MECH 440</td>
<td>MECH 466</td>
</tr>
<tr>
<td>MECH 445</td>
<td>MECH 473</td>
</tr>
<tr>
<td>MECH 447</td>
<td>MECH 499</td>
</tr>
</tbody>
</table>

#### January-April Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 410</td>
<td>MECH 465</td>
</tr>
<tr>
<td>MECH 411</td>
<td>MECH 471</td>
</tr>
<tr>
<td>MECH 423</td>
<td>MECH 475</td>
</tr>
<tr>
<td>MECH 425</td>
<td>MECH 485</td>
</tr>
<tr>
<td>MECH 443</td>
<td>MECH 492</td>
</tr>
<tr>
<td>MECH 449</td>
<td>MECH 493</td>
</tr>
<tr>
<td>MECH 450</td>
<td>MECH 495</td>
</tr>
<tr>
<td>MECH 458</td>
<td></td>
</tr>
</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 (Introduction to Professional Practice) is mandatory for BEng students. Students normally must successfully complete ENGR 020 before undertaking their first work term. Students must successfully complete the University English Requirement and ENGR 240 (Technical Writing) before undertaking their second work term.

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 458 in place of CSC 349A in term 3A and take CSC 349A in term 4B in place of a technical elective.

4. Students who are not enrolled in the Mechatronics and Embedded Systems Option but who are taking ENGR 466 will take only 2 electives in term 4A as ENGR 466 is a 3.0 unit course.

5. 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.

8. 4C is in the summer term, following 4B.
## Academic Schedule: BEng in Mechanical Engineering (Mechatronics and Embedded Systems Option)

### Terms 1A, 1B and 2A

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 111</td>
<td>CSC 115</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>ENGR 020&lt;sup&gt;2&lt;/sup&gt;</td>
<td>CHEM 150</td>
<td>ENGR 240</td>
</tr>
<tr>
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<td>ELEC 199</td>
<td>MATH 200</td>
</tr>
<tr>
<td>MATH 133</td>
<td>ENGL 115/135</td>
<td>MATH 201</td>
</tr>
<tr>
<td>MECH 141</td>
<td>MATH 101</td>
<td>MECH 200</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 125</td>
<td>MECH 240</td>
</tr>
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</table>

### Terms 2B to 3B

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 250</td>
<td>CSC 349A</td>
<td>ELEC 365</td>
</tr>
<tr>
<td>ENGR 297</td>
<td>MECH 320</td>
<td>ENGR 280</td>
</tr>
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<td>MECH 220</td>
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<td>MECH 242</td>
<td>MECH 345</td>
<td>MECH 360</td>
</tr>
<tr>
<td>MECH 285</td>
<td>MECH 350</td>
<td>MECH 392</td>
</tr>
<tr>
<td>STAT 254</td>
<td>MECH 390</td>
<td>MECH 395</td>
</tr>
</tbody>
</table>

### Terms 4A, 4B and 4C

Mechanical Engineering Students taking the Mechatronics and Embedded Systems Option will select one of the following 3 alternative schedules.

**Schedule 1**

<table>
<thead>
<tr>
<th>Term 4A</th>
<th>Term 4B</th>
<th>Term 4C</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 400</td>
<td>ENGR 446&lt;sup&gt;6&lt;/sup&gt;</td>
<td>ELEC 466</td>
</tr>
<tr>
<td>MECH 435</td>
<td>ENGR 498</td>
<td>ENGR 466 (3.0)</td>
</tr>
<tr>
<td>MECH 455</td>
<td>MECH 458</td>
<td>MECH 466</td>
</tr>
<tr>
<td>SENG 265</td>
<td>CSC 230</td>
<td>Technical</td>
</tr>
<tr>
<td>Technical</td>
<td>2 Technical</td>
<td>Elective</td>
</tr>
<tr>
<td>Elective or</td>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td>SENG 271</td>
<td>1 Complementary</td>
<td>Technical</td>
</tr>
</tbody>
</table>
| Technical | Elective | |}

**Schedule 2**

<table>
<thead>
<tr>
<th>Term 4A</th>
<th>Term 4B</th>
<th>Term 4C</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 400</td>
<td>ENGR 446&lt;sup&gt;6&lt;/sup&gt;</td>
<td>ENGR 466 (3.0)</td>
</tr>
<tr>
<td>MECH 435</td>
<td>ENGR 498</td>
<td>MECH 466</td>
</tr>
<tr>
<td>MECH 455</td>
<td>MECH 458</td>
<td>2 Technical</td>
</tr>
<tr>
<td>SENG 265</td>
<td>CSC 230</td>
<td>Electives</td>
</tr>
<tr>
<td>Technical</td>
<td>SENG 466</td>
<td></td>
</tr>
<tr>
<td>Elective or</td>
<td>Technical</td>
<td></td>
</tr>
<tr>
<td>SENG 271</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Technical</td>
<td>1 Complementary</td>
<td>Technical</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective (1.5)&lt;sup&gt;5&lt;/sup&gt;</td>
<td></td>
</tr>
</tbody>
</table>

**Schedule 3**

<table>
<thead>
<tr>
<th>Term 4A</th>
<th>Term 4B</th>
<th>Term 4C</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 400</td>
<td>ENGR 446&lt;sup&gt;6&lt;/sup&gt;</td>
<td>ELEC 466</td>
</tr>
<tr>
<td>MECH 435</td>
<td>ENGR 498</td>
<td>ENGR 466 (3.0)</td>
</tr>
<tr>
<td>MECH 455</td>
<td>MECH 458</td>
<td>2 Technical</td>
</tr>
<tr>
<td>SENG 265</td>
<td>CSC 230</td>
<td>Electives</td>
</tr>
<tr>
<td>Technical</td>
<td>SENG 466</td>
<td></td>
</tr>
<tr>
<td>Elective or</td>
<td>Technical</td>
<td></td>
</tr>
<tr>
<td>SENG 271</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Technical</td>
<td>1 Complementary</td>
<td>Technical</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective (1.5)&lt;sup&gt;5&lt;/sup&gt;</td>
<td></td>
</tr>
</tbody>
</table>
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 Art, 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 104. Details of the program in the Department of Writing are outlined on page 116. Admission to and completion of co-operative education programs are governed by individual departmental requirements. As a required part of the program, students are employed for specific work terms, each with a minimum duration of 17 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 if they are interested in entering.

For advice on course selection, students planning an architectural degree should consult the Fine Arts Advising Centre or the Advising Centre for the Faculties of Humanities, Science and Social Sciences.

**AVAILABILITY OF COURSES TO STUDENTS IN OTHER FACULTIES**
All courses in the Faculty of Fine Arts carry unrestricted credit in the Faculties of Humanities, Science and Social Sciences.

Students in the Faculty of Education may register for credit in any course offered by the Faculty of Fine Arts, provided space is available and they have the prior approval of the Education Advising Centre.

**LIMITATION OF 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>BFA Honours</th>
<th>BMus Honours</th>
<th>BSc Honours</th>
<th>Minors</th>
<th>Co-op Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>History in Art</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
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<td>Theatre</td>
<td>•</td>
<td></td>
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<th>Interdisciplinary Programs</th>
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<td>Film Studies 1</td>
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<td>Arts of Canada 1</td>
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<td>European Studies 4</td>
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<th>Diplomas and Certificates</th>
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<tr>
<td>Diploma in Fine Arts</td>
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<td>Certificate in Foundations in Indigenous Fine Arts 2</td>
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<tr>
<td>Diploma in Cultural Resource Management 3</td>
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<tr>
<td>Professional Specialization Certificate in Heritage Conservation Planning 3</td>
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<td>Professional Specialization Certificate in Collections Management 3</td>
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</tbody>
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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 or Major or Double Major Program. Students must contact the Advising Centre for the Faculties of Humanities, Science and Social Sciences for further information and are strongly urged to do so before registering in courses which they wish to count for credit on an Interfaculty Program.

Such programs involve satisfying the Honours and/or Major requirements of two disciplines, both leading to the same degree, in two different faculties. Agreement to details of all such programs must be signed by the student and by representatives of the academic units involved. Students in an Interfaculty Program will be subject to the regulations of the faculty in which they are registered.

Only one Bachelor’s degree with a Double Honours or a Joint Honours/Major or a Double Major will be awarded on the recommendation of the faculty in which the student is registered.

It may be possible for students to arrange to undertake an Interfaculty Minor in the Faculties of Humanities, Science and Social Sciences. Students must contact the Advising Centre for the Faculties of Humanities, Science and Social Sciences for further information, and are strongly urged to do so prior to registering in courses which they wish to count for credit on an Interfaculty Minor.

Interdepartmental Double Honours or Major

A student in one department in the Faculty of Fine Arts may concurrently satisfy the requirements of a program in a second department by completing the program requirements in the second area with the permission of both departments. Only one degree will be awarded. For example, a student majoring in History in Art may concurrently satisfy the requirements for the program in Visual Arts and thereby qualify for a BA with a Double Major in History in Art and Visual Arts. Conversely, a student majoring in Visual Arts may concurrently satisfy the requirements for the program in History in Art and thereby qualify for a BFA with a Double Major in Visual Arts and History in Art. Students interested in taking a Double Honours or Major Program should consult the Fine Arts Advising Centre.

In any case where two different classes of degree result, each class will be tied to the respective discipline instead of the degree, and will be shown in the student’s academic record.

Minors

The Faculty of Fine Arts offers Minors in:
- Arts of Canada (offered jointly with the Faculty of Humanities; see page 220)
- European Studies (offered jointly with the Faculties of Humanities and Social Sciences; see page 221)
- Film Studies (offered jointly with the Faculty of Humanities; see page 220)
- Music (see page 110)
- Professional Writing (see page 116)

Humanities, Fine Arts and Professional Writing Co-operative Education Program

Don Bailey, BA (UNB), MEd (UBC), Coordinator

The Humanities, Fine Arts and Professional Writing Co-operative Education Program is a year-round program which, through work terms of employment in a variety of organizations, enables students to combine work experience with an education in the Fine Arts and/or Humanities.

Applications and further information about the Humanities, Fine Arts and Professional Writing Co-operative Education Program are available from the Co-op Coordinator, Room 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 106)
• Certificate Program in Foundations in Indigenous Fine Arts (see below)
• Professional Specialization Certificate in Heritage Conservation Planning (see page 107)
• Professional Specialization Certificate in Collections Management (see page 107)

**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. 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 FA 225 Introduction to the Arts of Canada (3.0 units), and elective courses from the Faculty of Fine Arts that enable the student to pursue themes of particular interest, are required for the Diploma. Up to 3.0 units of credit may be taken outside the Faculty of Fine Arts with the approval of the Associate Dean. As this program is primarily intended for students pursuing a personal rather than a professional interest in the arts, no studio or performance courses are included.
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 bweatherston@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

**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.

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<tr>
<th>Course Code</th>
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<tr>
<td>CW 100E</td>
<td>Introduction to Creative Writing</td>
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**En’owkin Centre Courses**

**Diploma in Fine Arts**

**Certificate Program in Foundations in Indigenous Fine Arts**

**En’owkin Centre Courses**

**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**

**Elective Courses**

**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**

**Elective Courses**

**University of Victoria English Requirement**

Students must choose 3.0 units of core courses from the following:

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<td>ART 110E</td>
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<tr>
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<td>Writing for Children from a First Nations’ Perspective</td>
</tr>
<tr>
<td>CW 155E</td>
<td>Critical Process and World View</td>
</tr>
<tr>
<td>CW 156E</td>
<td>Critical Process, Symbolism and Oral Tradition</td>
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<tr>
<td>CW 160E</td>
<td>First Nations’ Non-Fiction</td>
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<tr>
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**En’owkin Centre Courses**

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**En’owkin Centre Courses**

**Diploma in Fine Arts**

**Certificate Program in Foundations in Indigenous Fine Arts**

**En’owkin Centre Courses**

**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**

**Elective Courses**

**University of Victoria English Requirement**

Students must choose 3.0 units of core courses from the following:

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<td>First Nations’ Non-Fiction</td>
</tr>
<tr>
<td>CW 212E</td>
<td>Structure in Cinema and Television Drama</td>
</tr>
</tbody>
</table>
1. Successful completion of 21 units of History in Art courses, of which at least 3 units must be at the 300- or 400-level.

2. The 15 upper-level units must include 3 units in each of the following three areas of study:
   - Classical, European before the modern period
   - Islamic, Asian
   - Art of the Americas, modern art and architecture.

These 15 upper-level units must also include at least 1.5 units of a 400-level seminar. The seminar requirement may be satisfied by HA 492. The seminar is usually to be taken in the fourth year. The seminar may be taken in third year only when approved by the Fine Arts Adviser and the Chair.

Students wishing to declare a Major in History in Art should contact the adviser at the Fine Arts Advising Centre at the end of their second year. Students interested in the History in Art program are welcome to consult with this adviser before they declare their Major.

Honours Program Admission

The Honours Program provides the possibility for more intensive study in the field of History in Art, and is intended for those who wish to continue on to graduate studies in History in Art or related professional disciplines.

Students may apply to enter the Honours Program after completion of a minimum of 9 units of course work in History in Art with a GPA 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

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 486 (3.0); HA 486A (1.5); HA 486B (1.5), HA 487 (3.0), HA 487A (1.5) and/or HA 487B (1.5).
2. Elective courses: 10.5 units selected from HA 486 (1.5), HA 486B; those with credit in HA 487 cannot earn credit in HA 486A or HA 486B; those with credit in HA 487 cannot earn credit in HA 487A or HA 487B.
3. Directed Studies or Internship in Cultural Resource Management: HA 491A (3.0) or HA 491B (3.0)

Applicants who have previously received credit in a degree program for any of these core courses will be allowed to substitute up to 6.0 units of courses with the approval of the Academic Adviser.
Students may apply to obtain up to 6.0 units of transfer credit for equivalent courses 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 491A Directed Studies in Cultural Resource Management (3.0) instead of HA 491 Internship in Cultural Resource Management (3.0).

Co-operative education students within the Diploma Program in Cultural Resource Management will normally be required to complete all their program requirements within a 24-month period in order to maintain the full-time status required for participation in the Co-operative Education Program. Further information on the Co-operative Education Option is available from the Program Office.

**Professional Specialization Certificate in Heritage Conservation Planning**

This four-course (6.0 unit) Professional Specialization Certificate provides heritage specialists and other professionals with skills and knowledge to support conservation planning and decision making. To be considered for this certificate program, applicants must have completed a University of Victoria bachelor’s degree or its equivalent and have a minimum of two years’ work experience in the heritage sector. The program requires the completion of the following:

- Core courses: HA 489C, 489K, 488R
- An elective course selected from the HA 488 A-S series in consultation with the Academic Adviser

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.

**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.

**Co-operative Education Option**

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 Exhibition Planning**

This four course (6.0) unit Professional Specialization Certificate provides museum, heritage site and art gallery specialists with the knowledge and skills required to support conservation planning and decision making. To be considered for this program, applicants must normally have completed a University of Victoria bachelor’s degree or its equivalent and have a minimum of two years’ work experience in the museum or heritage sector. The program requires the completion of:

- Core courses: HA 488K, HA 488C
- Two elective courses selected from the HA 488 A – T series in consultation with the Academic Adviser.

Students who complete a Professional Specialization Certificate in Exhibition Planning are able to transfer four courses (6.0 units) upon admission to the Diploma in Cultural Resource Management.

**Exhibitions**

Please direct inquiries regarding the Diploma in Cultural Resource Management or the Professional Specialization Certificate in Conservation Planning, Collections Management, Exhibition Planning and cultural Sector Leadership to:

- Cultural Resource Management Program
- Division of Continuing Studies
- University of Victoria
- Phone: (250) 721-8457
- Fax: (250) 721-8774
- E-mail: crmp@uvic.ca
- Website: <www.continuingstudies.uvic.ca/crmp>
MUSIC PERFORMANCE INSTRUCTORS AND PART-TIME LECTURERS 2007-2008

Colin Tilney, BA, BM (King’s College), Adjunct Orchestra, conducting (2007-2008)

Gordon Mumma, Adjunct Professor (2007-2008)

VISITING, LIMITED TERM, ADJUNCT AND CROSS-LISTED APPOINTMENTS

Peter Driessen, BSc, PhD, (Brit Col), PEng, Cross-listed Associate Professor (recording techniques) (2007-2008)

Gordon Mummia, Adjunct Professor (2007-2008)

János Sándor, Dipl (Lisz Academy, Budapest), Limited Term Associate Professor (University Orchestra, conducting) (2007-2008)

Colin Tilney, BA, BM (King’s College), Adjunct Professor (2007-2008)

George Tsanetakis, BSE (U of Crete), MA, PhD (Princeton), Cross-listed Assistant Professor (2007-2008)

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 110.

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 in-person audition is not possible, a high-quality recording may be submitted instead. All applicants must submit two letters of recommendation from qualified musicians. Auditions are held each year beginning in March. Students are urged to apply as early as possible; places cannot be guaranteed for qualified applicants once positions are filled. Current high school students should apply by February 28 for early admission. See <registrar.uvic.ca/undergrad>.

Audition appointments and further information may be obtained from:

School of Music
University of Victoria
PO Box 1700 STN CSC
Victoria BC V8W 2Y2
Phone: (250) 721-7904
Fax: (250) 721-6597
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 (on-line at <www.bctransferguide.ca>) for information on the transferability of specific courses to UVic. Credit earned outside BC will be evaluated on a course-by-course basis when the student is admitted. This credit and School admission procedures will determine into which year of study 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 <registrar.uvic.ca/undergrad>.

PROGRAM REQUIREMENTS

Requirements Common to All BMus Degrees

All BMus students, regardless of their eventual choice of Major, are required to take a common first-year program.

Year 1

MUS 101A .................................................. 1.5
MUS 101B .................................................. 1.5
MUS 120A .................................................. 1.5
MUS 120B .................................................. 1.5
MUS 140 ................................................... 0.5
MUS 170A .................................................. 0.5
MUS 170B .................................................. 0.5
MUS 180 ................................................... 1.0
MUS 181 ................................................... 1.0
English 100 level1 ....................................... 1.5
Non-music electives4 .................................. 3.0
Total: ...................................................... 15.5

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 shall 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.

All BMus students are required to demonstrate proficiency at the keyboard, to be evidenced by Conservatory documentation or evaluation by examiner. The level required is similar to the Royal Conservatory grade level 5 or 6. Those who are inexperienced at the keyboard may prepare for the exam by taking instruction. This may take the form of private lessons or piano classes. A complete description of the keyboard proficiency requirement is available from the School of Music.

At the end of the common first year, each student will declare a choice of Major and will be assigned a faculty adviser who will assist in selecting appropriate elective courses, ensure that program requirements are satisfied and oversee year-to-year progress by means of consultation with their instrumental instructors (aided by auditions in certain sections). All students are assigned to ensembles according to each student’s educational needs and the needs of the School.
**Major Program Requirements**

Acceptance into the Major Program of the student's choice and continuance in that Major must be approved by the appropriate division of the School. A student whose progress is judged to be unsatisfactory may be refused permission to continue in the chosen original Major. A student who fails to achieve a grade of C+ or better in individual tuition (MUS 140-440) or Seminar in Performance (MUS 245-445) will have his or her status re-evaluated by a committee consisting of the student's teacher, the student's adviser, the head of the performance section, and the Director of the School. In some cases the committee may determine that the student should be required to withdraw from the BMus program.

Students who intend to declare Music Education as their Major must be formally interviewed at the end of the first year. Those who are admitted and complete this program will automatically be admissible to the Post-Degree Professional Program in their assigned year. Due to quotas, students who do not enter professional year in the assigned year will have to compete for available spaces. In addition, the cases of students who do not maintain a 5.0 GPA in upper-level Music and Music Education courses, as well as a 4.0 GPA overall, will be reviewed. Such students will be given a trial period to reach the specified GPA, and if unsuccessful will be required to withdraw from the program.

Exceptions to the following program requirements can be made only in special cases and with the written approval of the Director.

Courses are to be taken in the sequence shown in the separate programs.

**Major in Composition and Theory**

<table>
<thead>
<tr>
<th>Year 2</th>
<th>MUS 201A and 201B</th>
<th>3.0</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>MUS 205</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MUS 220A and 220B</td>
<td>3.0</td>
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<tr>
<td></td>
<td>MUS 240</td>
<td>2.0</td>
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<tr>
<td></td>
<td>MUS 270A and 270B</td>
<td>1.0</td>
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<tr>
<td></td>
<td>Ensembles¹</td>
<td>1.0 or 2.0</td>
</tr>
<tr>
<td></td>
<td>MUS 350A and 350B</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Year 3</th>
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</thead>
<tbody>
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<td></td>
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<td></td>
<td>MUS 306</td>
<td>1.5</td>
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<tr>
<td></td>
<td>MUS 307</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MUS 340</td>
<td>2.0</td>
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<tr>
<td></td>
<td>Ensembles¹</td>
<td>1.0 or 2.0</td>
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<tr>
<td></td>
<td>Non-music electives</td>
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<tr>
<td><strong>Total</strong></td>
<td>16.5 or 17.5</td>
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<table>
<thead>
<tr>
<th>Year 4</th>
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<tr>
<td></td>
<td>MUS 405</td>
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<td>Music elective</td>
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<td>Non-music electives</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<td></td>
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</tbody>
</table>

1. Ensemble requirements in Composition and Theory program:

**Major in History and Literature**

<table>
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<tr>
<th>Year 2</th>
<th>MUS 201A and 201B</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>MUS 240</td>
<td>2.0</td>
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<tr>
<td></td>
<td>MUS 270A and 270B</td>
<td>1.0</td>
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<tr>
<td></td>
<td>Ensembles¹</td>
<td>1.0 or 2.0</td>
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<tr>
<td></td>
<td>Music elective</td>
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<tr>
<td></td>
<td>Non-music electives</td>
<td>3.0</td>
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<tr>
<td><strong>Total</strong></td>
<td>14.5 or 15.5</td>
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<table>
<thead>
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<th>Music history elective</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>One of: MUS 401A, 401B, 401C, 401D</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MUS 440</td>
<td>2.0</td>
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<tr>
<td></td>
<td>Ensembles¹</td>
<td>1.0 or 2.0</td>
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<tr>
<td></td>
<td>Music elective</td>
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<td>Non-music electives</td>
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<thead>
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<th>Year 4</th>
<th>Music history elective</th>
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<tbody>
<tr>
<td></td>
<td>One of: MUS 401A, 401B, 401C, 401D</td>
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<tr>
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<td>MUS 440</td>
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<tr>
<td></td>
<td>Ensembles¹</td>
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<td>Music elective</td>
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<tr>
<td></td>
<td>Non-music electives</td>
<td>3.0</td>
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<tr>
<td><strong>Total</strong></td>
<td>15.0 or 16.0</td>
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1. Ensemble requirements in History and Literature program:

- **Major in Comprehensive Program**

<table>
<thead>
<tr>
<th>Year 2</th>
<th>MUS 201A and 201B</th>
<th>3.0</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>MUS 220A and 220B</td>
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<tr>
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<td>MUS 240</td>
<td>2.0</td>
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<tr>
<td></td>
<td>MUS 270A and 270B</td>
<td>1.0</td>
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<tr>
<td></td>
<td>Ensembles¹</td>
<td>1.0 or 2.0</td>
</tr>
<tr>
<td></td>
<td>Music elective</td>
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<tr>
<td><strong>Total</strong></td>
<td>15.0 or 16.0</td>
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<table>
<thead>
<tr>
<th>Year 3</th>
<th>Music history elective</th>
<th>3.0</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>One of: MUS 401A, 401B, 401C, 401D</td>
<td>1.5</td>
</tr>
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<td></td>
<td>MUS 440</td>
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</tr>
<tr>
<td></td>
<td>Music elective</td>
<td>1.5</td>
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<tr>
<td></td>
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<td><strong>Total</strong></td>
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<tr>
<th>Year 4</th>
<th>Music history elective</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>One of: MUS 401A, 401B, 401C, 401D</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MUS 440</td>
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<tr>
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<td>Non-music electives</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15.0 or 16.0</td>
<td></td>
</tr>
</tbody>
</table>

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:

- **Major Program Requirements**

- **Major in Comprehensive Program**

- **Major in History and Literature**

- **Major in Composition and Theory**

- **2008-09 UVIC CALENDAR**

- **Non-music electives**

- **Total**

- **Year 4**

- One of: MUS 401A, 401B, 401C, 401D | 1.5

- MUS 440 | 2.0

- Ensembles¹ | 1.0 or 2.0

- Music electives² | 1.5

- Non-music electives² | 4.5

- Music elective or music elective | 1.5

- **Total** | 15.0 or 16.0

- **Year 2**

- MUS 201A and 201B | 3.0

- MUS 220A and 220B | 3.0

- MUS 240 | 2.0

- MUS 270A and 270B | 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

- One of: MUS 401A, 401B, 401C, 401D | 1.5

- MUS 440 | 2.0

- Ensembles¹ | 1.0 or 2.0

- Music elective | 1.5

- 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

- Music elective | 1.5

- Non-music electives | 3.0

- Non-music elective or music elective | 1.5

- **Total** | 15.0 or 16.0

1. Piano majors are required to take MUS 328A and 328B. They are advised to take MUS 360 and 361.
FACULTY OF FINE ARTS

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MUSIC

c) Voice
Year 2: MUS 280
Year 3: MUS 380
Year 4: none

Major in Music Education Secondary (Instrumental)

Year 2
MUS 201A and 201B ........................................ 3.0
MUS 220A and 220B ........................................ 3.0
MUS 240 ....................................................... 2.0
MUS 270A and 270B ........................................ 1.0
One of MUS 236, 330, 331, 332, 333 ........... 1.5
MUS 280 ....................................................... 1.0
ME 201 .......................................................... 1.5
ME 207 .......................................................... 1.5
ME 209A ........................................................ 1.5
ME 209B ........................................................ 1.5
Total: ...................................................... 15.0 or 16.0

Year 3
MUS 301A and 301B ........................................ 3.0
MUS 340 ....................................................... 2.0
MUS 356A and 356B ........................................ 3.0
One of MUS 236, 330, 331, 332, 333 ........... 1.5
Ensembles1 ..................................................... 1.0 or 2.0
ED-D 401 ........................................................ 1.5
ME 307 .......................................................... 1.5
ME 309A ........................................................ 1.0
ME 309B ........................................................ 1.0
Total: ...................................................... 15.5 or 16.5

Year 4
One of MUS 401A, 401B, 401C, 401D ............... 1.5
MUS 440 ....................................................... 2.0
Ensembles1 ..................................................... 1.0 or 2.0
ED-D 401 ........................................................ 1.5
ME 407 .......................................................... 1.5
ME 409 .......................................................... 1.5
Second teaching area ....................................... 6.0
Total: ...................................................... 15.0 or 16.0

1. Ensemble requirements in Music Education Secondary program:
   a) Orchestral Instruments, Keyboard Instruments and Guitar
      • Year 3: MUS 281 and 380
      • Year 4: MUS 381 and 480
   b) Voice
      • Year 3: MUS 380
      • Year 4: MUS 480

Combined Major Program in Music and Computer Science

The School of Music and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program. The application date for the first year of this program is 15 May for entry in September, but later applications to this program may be considered for students who have applied for admission to another program at UVic. When all first year requirements have been met, the application date for September entry to the second year of this program is May 1 and the document deadline in July 1.

Enrollment in this program is limited. Since students wishing to complete a combined degree program in Music and Computer Science are admitted at the end of first year into this program in the Faculty of Fine Arts, applicants will normally register in first year in one of the following faculties/programs for which they meet the admission requirements: Humanities, Science, Social Sciences, Engineering or Fine Arts.

Minor in Music

The Minor Program consists of 20 units in Music, and will normally include:

MUS 101A ....................................................... 1.5
MUS 101B ....................................................... 1.5
MUS 120A ....................................................... 1.5
MUS 120B ....................................................... 1.5
MUS 170A ....................................................... 0.5
MUS 170B ....................................................... 0.5
MUS 180 (by audition) .................................... 1.0
MUS 220A ....................................................... 1.5
MUS 220B ....................................................... 1.5
300/400 MUS electives .................................. 9.0

Substitutions to the above can be made only with the approval of the School. Students must declare the Minor through the Advising Centres of their own faculties.

Computer Music Option

A Computer Music Option is offered by the Department of Electrical and Computer Engineering (see page 96).
## Department of Theatre

**Warwick Dobson, BEd (Newcastle-upon-Tyne), MA (Lancaster), MA (Ed), PhD (Sussex), Associate Professor, Chair**

**Sarah Blackstone, BA Honors (Wyoming), MA (Kansas State), PhD (Northwestern), Professor, Dean**

**Allan Stichbury, BFA (Alta), Professor**

**Mary Kerr, BFA (Man), Associate Professor**

**Brian Richmond, MA (Tor), Associate Professor**

**Jennifer Wise, BA, MA, PhD (Tor), Associate Professor**

**Linda Hardy, BA (Brock), MA (Tor), Assistant Professor**

**Allan Lindgren, BA (Vic), MA (York), PhD (Tor), Assistant Professor**

**Anthony Vicker, BA (Vic), MA (Tor), PhD (Vic), Assistant Professor**

**Jan Wood, BFA (Alta), Assistant Professor**

**Peter McGuire, MFA (Vic), Senior Instructor**

**Ned Vukovic, Theatre Diploma (Manchester Polytechnical), Senior Instructor**

**N. Bindon Kinghorn, Senior Academic Assistant and Part-time Lecturer**

**Gysbertus A. Timmermans, BEA, MFA (Vic), Senior Academic Assistant and Part-time Lecturer**

**Sandra Guerreiro, BFA (Vic), Senior Academic Assistant**

**Adrienne Hollierhoek, BA Honours (Western Ontario), Cert. PR (UVic), Senior Academic Assistant**

**Charles A. Procure, BA (Dal), Senior Academic Assistant**

**Karla D. Stout, BA (McG), LLB (York), Senior Academic Assistant**

**Stephen Vrooman, Senior Academic Assistant**

## THEATRE PROGRAMS

The Bachelor of Fine Arts in Theatre is an extensive program intended for students who wish to prepare for a career in professional, educational or community theatre or who wish to continue their studies in graduate or professional schools. The philosophy of the Theatre Department is that the theatre should be studied in all its aspects and that it is best approached through a curriculum that leads to performance.

Through all courses and productions, students are encouraged to focus on fundamental creative, interpretive, performative and technical skills as they study the historical, contemporary and educational theories and practices of the theatre arts.

The Department offers undergraduate students a choice between an Honours Program in Theatre History and a Theatre Major Program. In the latter program, students may select either a Specialist or a Generalist Option. A Co-op program is also available.

Students will be required to take part in rehearsals and performances. No student may register in an evening course without the permission of the Department.

## Co-operative Education Programs

Please, see page 102.

### 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. Admission is by audition only. Students are advanced into third and fourth year subject to an annual review. Students in this Option are required to complete 4.5 units of performance credit in THEA 229, 329 and 429. Normally, eligibility for performance credits will commence as students enter the Acting Specialist Option in Second Year.

### Specialist Option in Applied Theatre

Students may indicate their intention to enter the Option of Applied Theatre in first year. The Applied Theatre program allies the art of the theatre with effective pedagogy to build upon the growing recognition of theatre as an educative methodology in matters of social, political, economic and therapeutic concerns. The program provides the theoretical and experiential foundations that will serve those who wish to examine the use of theatre forms as they apply to teaching and/or non-theatrical settings, such as cultural, recreation and community centres, historic and environmental sites, museums, prisons, hospitals, social service and health agencies.

### Specialist Option in Design

The Option in Design 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.

### 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 Ad-
Students Please Note: If you do not attend the second class in a course you must contact the instructor to get permission to remain in the class. If you do not get permission from the instructor, you may be removed from the course.

Specialist Option in Acting

**First Year**

THEA 105 ................................................. 3.0
THEA 111 ................................................. 1.5
THEA 112 ................................................. 1.5
THEA 120 ................................................. 1.5
Electives* .................................................. 6.0
Total: ....................................................... 15.0

**Second Year**

THEA 205 ................................................. 3.0
THEA 210 ................................................. 1.5
THEA 211 ................................................. 1.5
THEA 221 ................................................. 1.5
THEA 223 ................................................. 1.5
THEA 225 ................................................. 1.5
THEA 229 .................................................. 0-1.5
Electives* .............................................. 1.5-3.0
Total: ....................................................... 15.0

**Third Year**

THEA 321 ................................................. 1.5
THEA 322 ................................................. 1.5
THEA 323 ................................................. 1.5
THEA 324 ................................................. 1.5
THEA 325 ................................................. 1.5
THEA 326 ................................................. 1.5
THEA 329 .................................................. 1.5-3.0
Electives* .............................................. 1.5-3.0
Total: ....................................................... 15.0

**Fourth Year**

THEA 421 ................................................. 1.5
THEA 422 ................................................. 1.5
THEA 423 ................................................. 1.5
THEA 424 ................................................. 1.5
THEA 425 ................................................. 1.5
THEA 426 ................................................. 1.5
THEA 429 .................................................. 1.5-3.0
Electives* .............................................. 1.5-3.0
Total: ....................................................... 15.0

*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

**Admission dependent on successful completion of year-end review.

Specialist Option in Applied Theatre

Students considering careers in elementary, middle or secondary schools are urged to consult with the Faculty of Education Advising Centre early to plan their undergraduate program.

**First Year**

THEA 105 .................................................. 3.0
THEA 111 .................................................. 1.5
THEA 112 .................................................. 1.5
THEA 120 .................................................. 3.0
THEA 132 .................................................. 3.0
Electives* .................................................. 3.0
Total: ....................................................... 15.0

**Second Year**

THEA 205 .................................................. 3.0
THEA 210 .................................................. 1.5
THEA 211 .................................................. 1.5
THEA 235 .................................................. 3.0
Electives* .................................................. 6.0
Total: ....................................................... 15.0

**Third Year**

Theatre History 300+ ......................... 1.5-3.0
THEA 331 .................................................. 1.5
THEA 332 .................................................. 1.5
THEA 335 .................................................. 1.5
THEA 355 .................................................. 1.5
THEA 356 .................................................. 1.5
THEA 394 / EDCI 487 ***.................. 0-1.5
Electives* .............................................. 3.0-6.0
Total: ....................................................... 15.0

**Fourth Year**

Theatre History 300+ ......................... 1.5-3.0
THEA 394/EDCI 487 ***.................. 0-1.5
THEA 435 .................................................. 3.0
Electives* .............................................. 7.5-10.5
Total: ....................................................... 15.0

*At least 1.5 units are required to complete the Applied Theatre Option. May be taken more than once.

Specialist Option in Design

**First Year**

THEA 105 .................................................. 3.0
THEA 111 .................................................. 1.5
THEA 112 .................................................. 1.5
THEA 120 .................................................. 3.0
Electives* .................................................. 6.0
Total: ....................................................... 15.0

**Second Year**

THEA 205 .................................................. 3.0
THEA 210 .................................................. 1.5
THEA 211 .................................................. 1.5
THEA 251 .................................................. 1.5
THEA 252 .................................................. 1.5
THEA 261 and one of 361, 362, 363 or 348 and 349 .................................................. 3.0
Electives* .................................................. 3.0
Total: ....................................................... 15.0

*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

**Admission dependent on successful completion of year-end review.
<table>
<thead>
<tr>
<th>Third Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theatre History 300+</td>
</tr>
<tr>
<td>THEA 351 and 352 or THEA 348 and 349 or THEA 261 and one of 361, 362, 363</td>
</tr>
<tr>
<td>THEA 331</td>
</tr>
<tr>
<td>THEA 332</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theatre History 300+</td>
</tr>
<tr>
<td>THEA 351 and 352 or THEA 348 and 349 or THEA 261 and one of 361, 362, 363 or two of THEA 361, 362, 363</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

### Specialist Option in Directing

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 105</td>
</tr>
<tr>
<td>THEA 111</td>
</tr>
<tr>
<td>THEA 112</td>
</tr>
<tr>
<td>THEA 120</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 205</td>
</tr>
<tr>
<td>Theatre History 300+</td>
</tr>
<tr>
<td>THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352</td>
</tr>
<tr>
<td>THEA 395</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year**</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 305</td>
</tr>
<tr>
<td>Theatre History 300+</td>
</tr>
<tr>
<td>THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352</td>
</tr>
<tr>
<td>THEA 499</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 405</td>
</tr>
<tr>
<td>Theatre History 300+</td>
</tr>
<tr>
<td>THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352</td>
</tr>
<tr>
<td>THEA 499</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 105</td>
</tr>
<tr>
<td>THEA 111</td>
</tr>
<tr>
<td>THEA 112</td>
</tr>
<tr>
<td>THEA 120</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 205</td>
</tr>
<tr>
<td>Theatre History 300+</td>
</tr>
<tr>
<td>THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352</td>
</tr>
<tr>
<td>THEA 499</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third and Fourth Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 units from THEA 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 362, 363, 390, 391, 410, 411, 414</td>
</tr>
<tr>
<td>THEA 300+</td>
</tr>
<tr>
<td>THEA 490</td>
</tr>
<tr>
<td>Approved Electives</td>
</tr>
<tr>
<td>Electives*</td>
</tr>
<tr>
<td>Total:</td>
</tr>
</tbody>
</table>

2008-09 UVIC CALENDAR

*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 |
| 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** | 1.5-3.0 |
| 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 |

In third and fourth years, students must take a minimum of 4.5 units of Writing electives at the 300 or 400 level.

Theatre/Writing Option students must take a minimum of 1.5 units of THEA 414 (Studies in Canadian Theatre and Drama) if it is offered. *3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

** Students will complete this program by enrolling in either Writing or Theatre elective courses suited to their particular interests or abilities and with the advice of both departments. In some cases, electives outside either department may be approved.

### Generalist Option

#### First Year

| THEA 105 | 3.0 |
| THEA 111 | 1.5 |
| THEA 112 | 1.5 |
FACULTY OF FINE ARTS

THEA 120 ......................................................... 3.0
Electives* ....................................................... 6.0
Total ............................................................... 15.0

Second Year
THEA 205 ......................................................... 3.0
THEA 210 ........................................................ 1.5
THEA 211 ........................................................ 1.5
Electives* ....................................................... 9.0
Total ............................................................... 15.0

Third and Fourth Years
Theatre History 300+ ....................................... 4.5
THEA 300+ ....................................................... 10.5
Electives* ....................................................... 15.0
Total ............................................................... 30.0

*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

BA Honours in Theatre History
To graduate with a BA Honours in Theatre History, students require a minimum of 30 units of Theatre; at least 15 units must be in designated Theatre History courses at the 300 and 400 level, listed below, and 6 units in approved, related disciplines.

Designated Theatre History courses are THEA 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 328, 362, 363, 390, 391, 410, 411, 414.

Directed Studies
Directed Studies may, with permission of the Department, be taken more than once.

Students wishing to pursue a course of directed studies must, with a faculty member who is willing to supervise such a course, formulate a proposal accurately describing the course content, the intended method and extent of supervision, and the method by which work will be evaluated. The proposal must then receive the approval of the Chair of the Department.

Proposals will normally be subject to the following limitations:
1. The student must achieve a minimum GPA of 7.0 (A-) in courses directly related to the proposed directed studies.
2. No more than 9 units of directed studies credit will count for credit towards the BFA.
3. No more than 6 units of directed studies will be approved in any single winter session.

Department of Visual Arts

Allan Stychbury, BFA (Alberta), Professor (Stage Design), Chair
Vicky Alexander, BFA (NSCAD), Professor (Photography)
Sandra Meigs, BFA (NSCAD), MA (Dal), Professor (Painting)
Robert Yoods, BFA (UVic), MFA (Yrk), 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 115.

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.E.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

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

Transfer applicants from other faculties should complete the usual procedures for re-registration as specified on page 28. Portfolio and questionnaire submissions are the same for all applicants as described above.

Program Requirements

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.

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 31.5 units of Department offerings as specified below. At least 24 units must be chosen from the Department of Visual Arts, including 6 units of History in Art. Of the total 60 units, at least 21 must be chosen from courses numbered 300 or above.

Please note: A general University of Victoria regulation requires all students either to pass the qualifying examination in English or to complete certain English courses (see Undergraduate English Requirements, page 29).
<table>
<thead>
<tr>
<th>First-year Visual Arts Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103 .......................... 1.5</td>
</tr>
<tr>
<td>ART 104 .......................... 1.5</td>
</tr>
<tr>
<td>ART 105 .......................... 1.5</td>
</tr>
<tr>
<td>ART 106 .......................... 1.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second-year Visual Arts Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 of ART 201 - 242, 261 - 272 ... 9.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First- or Second-year Visual Arts Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 150* .................................. 1.5</td>
</tr>
<tr>
<td>*Mandatory course before registering in studio courses beyond the 100 level.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First- and Second-year Out-of-Department Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>History in Art** .................................. 3.0</td>
</tr>
<tr>
<td>Not ART electives .................................. 9.0</td>
</tr>
<tr>
<td>ART or electives* .................................. 6.0</td>
</tr>
<tr>
<td>**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 these 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.</td>
</tr>
<tr>
<td>Not ART electives .................................. 9.0</td>
</tr>
<tr>
<td>ART or electives* .................................. 6.0</td>
</tr>
<tr>
<td>* Electives must include History in Art require-ment.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Combined Major Program in Visual Arts and Computer Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103, 104, 105, 106 .................. 6.0</td>
</tr>
<tr>
<td>MATH 100, 101, 122 ....................... 4.5</td>
</tr>
<tr>
<td>CSC 110, 115 ................................ 3.0</td>
</tr>
<tr>
<td>Elective* .................................... 1.5</td>
</tr>
<tr>
<td>Total ........................................ 15.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 150 .................................. 1.5</td>
</tr>
<tr>
<td>5 of ART 200, 201, 210, 211, 220, 221, 240, 241, 260, 261, 270, 271 .......... 7.5</td>
</tr>
<tr>
<td>MATH 233A ................................ 1.5</td>
</tr>
<tr>
<td>CSC 225, 230 ................................ 3.0</td>
</tr>
<tr>
<td>SENG 265 ................................... 1.5</td>
</tr>
<tr>
<td>Total ........................................ 15.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 units of ART at the 300- or 400-level ........... 6.0</td>
</tr>
<tr>
<td>2 of CSC 330, 355, 360, 370, SENG 330 .......... 3.0</td>
</tr>
<tr>
<td>SENG 310 ................................... 1.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 units of ART at the 300- or 400-level ........... 6.0</td>
</tr>
<tr>
<td>CSC 305 .................................... 1.5</td>
</tr>
<tr>
<td>2 CSC at the 400 level* ........................ 3.0</td>
</tr>
<tr>
<td>Electives* ................................... 4.5</td>
</tr>
<tr>
<td>Total ........................................ 15.0</td>
</tr>
</tbody>
</table>

1. One of these courses may be SENG at the 400 level.

*Students who need to fulfill the UVic English requirement should use this elective option to do so.

**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 these 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.

<table>
<thead>
<tr>
<th>Third- and Fourth-year Visual Arts Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 300 - 495 ................................ 15.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third- and Fourth-year Out-of-Department Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not ART electives .................................. 9.0</td>
</tr>
<tr>
<td>ART or electives* .................................. 6.0</td>
</tr>
</tbody>
</table>

* Electives must include History in Art require-ment.

<table>
<thead>
<tr>
<th>Department of Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lorna Crozier, BA (Sask), MA (Alta), Honorary D. Laws (Regina), University of Victoria Distinguished Professor and Chair</td>
</tr>
<tr>
<td>Maureen Bradley, BA, MA (Concordia), MFA (Brit Col), Associate Professor</td>
</tr>
<tr>
<td>Bill Gaston, BA, MA, MFA (Brit Col), Professor</td>
</tr>
<tr>
<td>Rosa Harris-Adler, MA (Concordia), Senior Instructor</td>
</tr>
<tr>
<td>Lorna Jackson, BA (Vic), MA (Vic), Assistant Professor</td>
</tr>
<tr>
<td>David Leach, BA (Vic), MA (Queen’s), Assistant Professor</td>
</tr>
<tr>
<td>Tim Lilburn, BA (Regina), MA (Gonzaga), PhD (McMaster), Assistant Professor</td>
</tr>
<tr>
<td>Joan MacLeod, BA (Vic), MFA (Brit Col), Assistant Professor</td>
</tr>
<tr>
<td>Lynne Van Luven, BA (Sask), MA, PhD (Alta), Associate Professor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VISITING, ADJUNCT AND CROSS-LISTED APPOINTMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Don McKay, BA, MA (W Ont), PhD (Wales), Adjunct Professor</td>
</tr>
<tr>
<td>John Barton, BA (Vic), MLIS (W Ont), Adjunct Professor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WRITING PROGRAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Department of Writing offers the following program options:</td>
</tr>
<tr>
<td>• Major (in drama, fiction, poetry, creative non-fiction; also a Writing/Theatre option)</td>
</tr>
<tr>
<td>• Professional Writing Minor in Journalism and Publishing</td>
</tr>
<tr>
<td>• Film Studies Minor (interdisciplinary, various departments; see description on page 220)</td>
</tr>
</tbody>
</table>

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**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.
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, 309, 310, 311, 312, 316, 321, 330, 335, 336, 340, 410, 416, and 440 may count toward either a Major in Writing or a Professional Writing Minor in Journalism and Publishing, but not both.

Students are advised to work toward a Double Major, since 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, with an average grade of B+ or better
3. WRIT 315, 340
4. Six units from the 300- and 400-level PW courses in Writing (listed under Major Program above) or approved electives from outside the department. Entry to 300- and 400-level courses will depend upon successful completion of the 100- and 200-level prerequisites listed above, and declaring the Minor with the appropriate Faculty Adviser.

While participation in the Professional Writing Co-op (see below) is not mandatory, it is highly recommended; priority for admission in certain courses will be given to those taking the Co-op option.

Courses taken for the Minor cannot be used to complete requirements for a Major or Honours Program.

Major in Writing and Minor in Professional Writing

Students who are interested in completing both a Major Program in Writing (specializing in fiction, poetry, drama and/or creative 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 enroll 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 113.

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 UVict and in Canada; a similar structure for programs does not exist in any university in Canada. The Schools have developed reputations for innovative programs and excellent teaching. In addition to high quality teaching, the Faculty is engaged in creative, relevant programs of research. Additional features of our Faculty are equitable working and learning environments, and a strong emphasis on social responsibilities.
Faculty Members

Mary Ellen Purkis, BSN (Calgary), MSc, PhD (Edinburgh), Associate Professor and Dean
Leslie Brown, BSW (Regina); MPA, PhD (Victoria), Associate Professor and Associate Dean Research
Laurene E. Sheilds, BSN (Victoria, MS, PhD (Ore), Associate Professor and Associate Dean Academic
Susan C. Boyd, BA (UCal, Santa Cruz), MCP (Antioch), PhD (SFU), Associate Professor
Marie L. Campbell, BA, MA (Brit Col), PhD (Tor), Professor Emeritus
Maureen A. Maloney, LLB (Warw), LLM (Tor), Professor
Pamela Moss, BA (Indiana); MA (Brit Col); PhD (McMaster), 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 (Tor), Professor
Irving Rootman, BA (U of A), MPhil, PhD (Yale), Professor-Limited Term
Katherine Teghtsoonian, BA (Brit Col), AM, PhD (Stan), Associate Professor
Brian Wharf, BA, BSW, MSW (Brit Col), PhD (Brandeis), Professor Emeritus

Visiting, Adjunct and Cross-listed Appointments

Lorraine Greaves, BA, MA (Western), PhD (Monash), Adjunct Associate Professor
James C. Hackler, BA (U.C., Berkeley), MA (San Jose), PhD (Washington), Adjunct Professor
Barbara M. Herringer, BA (UofA), BSW, MSW (UBC), PhD (UVic), Adjunct Associate Professor
Andrew Kmetic, BSc (Manitoba), MHSA (UofA), PhD (McGill), Adjunct Assistant Professor
Sharon Manson-Singer, BSW (UVic), MSW (UBC), PhD (Brandeis), Adjunct Associate Professor
Jennifer Mullett, BA, MA, PhD (UVic), Adjunct Assistant Professor
Tara L. Ney, PhD (Southampton), MA, BA (UVic), Adjunct 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
Thomas F. Ward, BA, MD (Sask), Adjunct Professor

General Information

DEGREES AND PROGRAMS OFFERED

Undergraduate Programs

The Faculty of Human and Social Development offers undergraduate programs leading to the degrees of Bachelor of Arts in Child and Youth Care, Bachelor of Science in Nursing 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 124. 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.

Faculty of Human and Social Development Undergraduate Programs

<table>
<thead>
<tr>
<th>Degree Programs</th>
<th>Diploma and Certificate Programs</th>
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<tr>
<td>Faculty of Human and Social Development</td>
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<tr>
<td>School of Child &amp; Youth Care</td>
<td>BA</td>
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<td>School of Health Information Science</td>
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<td>School of Nursing</td>
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<tr>
<td>School of Public Administration</td>
<td>Diploma in Public Sector Management Diploma in Local Government Management Professional Specialization Certificates - Cultural Heritage Sector Leadership - Local Government Management - Performance Management - Public Policy - Public Services Management - Voluntary and Non-profit Sector Management</td>
</tr>
<tr>
<td>School of Social Work</td>
<td>BSW</td>
</tr>
</tbody>
</table>

¹ Available only through specific Aboriginal community partnerships.
Admission to UVic and this Faculty is not a guarantee of placement in particular programs or courses. Schools may limit enrollment for a variety of reasons, and admission requirements may be raised.

Faculty Admissions

The requirements for admission to programs within the Faculty of Human and Social Development are presented under the entries for the individual Schools. Probability and Statistics 12 is recommended for undergraduate admission to the Faculty. Mature students who do not have Mathematics to the Grade 11 level are encouraged to take a refresher course before beginning their studies. See additional requirements under each program.

Applicants for the Schools in the Faculty of Human and Social Development must complete two separate applications: one for admission to the School of interest, and one for admission to the University.

Courses Offered Through the Faculty

The following courses are occasionally offered through the Faculty of Human and Social Development and are open to HSD students in their third and fourth years.

- HSD 400 (1.5) Policy in the Human Services
- HSD 401 (1.5) Women in the Human Services
- HSD 425 (1.5) Qualitative and Quantitative Analysis
- HSD 460(1.5) Special Topics in Human and Social Development
- HSD 462 (1.5) Perspectives on Substance Use
- HSD 463 (1.5) Approaches to Substance Use: Prevention and Treatment
- HSD 464 (1.5) Introduction to Disability Studies
- HSD 465 (1.5) Interdisciplinary Practice with Children and Families
- HSD 490 (1.5) Directed Studies

Faculty Academic Regulations

Credit for Courses Offered by Other Institutions

Students who plan to undertake upper-level course work at another university must normally receive prior approval from the Dean and the Director of the School in which the student is registered if they wish such course work to be credited toward a degree program or diploma program in the Faculty of Human and Social Development. Upon successful completion of such course work, it is the student's responsibility to request the Registrar of the other university to send an official transcript of record to the Records Office of the University of Victoria.

English Requirement

The four-year bachelor programs in Child and Youth Care and Health Information Science will normally include 3 units of English; Social Work and Nursing include 1.5 units. All courses are chosen in consultation with the Department of English.

Guidelines for Professional Conduct

The Faculty of Human and Social Development expects students to develop and adhere to a professional code of conduct. The Faculty supports models for professional conduct based on the following guidelines:

- submission of oneself to a professional code of ethics
- exercise of personal discipline, accountability and judgement
- acceptance of personal responsibility for continued competency and learning
- willingness to serve the public, client or patient and place them before oneself
- ability to recognize the dignity and worth of all persons in any level of society
- willingness to assist others in learning
- ability to recognize one's own limitations
- maintenance of confidentiality of information appropriate to the purposes and trust given when that information was acquired
- acceptance that one's professional abilities, personal integrity and the attitudes one demonstrates in relationships with other persons are the measure of professional conduct

Unprofessional Conduct

Students in the Faculty of Human and Social Development are subject to the provisions of the code of ethics of their respective professions, and may be required to withdraw from their School for violating these provisions. Students may also be required to withdraw from their School when ethical, medical or other reasons interfere with satisfactory practice in their respective disciplines.

Minor

Students registered in a degree program in the Faculty of Human and Social Development may declare a Minor Program in another Faculty with written permission from their School and the Department offering the Minor, and the Deans of the respective faculties. The Minor will be added to the student's academic record upon completion of program requirements in Human and Social Development and the general degree or Minor requirements in the other faculty.

Regulations Concerning Practica

General

The Faculty reserves the right to approve any agency or institution that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

While the Faculty accepts a responsibility to provide a sufficient number of practicum opportunities to serve the needs of all registered students, a student may be required to withdraw from a practicum course if none of the available practicum agencies will accept the student. It is the responsibility of the course instructor to inform students of the criteria by which unprofessional conduct will be judged in the practicum setting.

Practica Dates

The dates of practica will be established by each School or program, and will be announced to the students involved at the beginning of each term.

Attendance

Attendance at practicum activities is required. Students are expected to notify the placement agency whenever practicum appointments cannot be kept, and also to inform the course instructor.

Denial and Withdrawal

Denial

Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of the School in the Faculty of Human and Social Development.

Temporary Withdrawal of Students Pending Report

The Director may require a student to withdraw temporarily from a practicum if, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in the practicum has adversely affected or may adversely affect:

- clients or pupils, or
- personnel, including students associated with the practicum

The student will be required to withdraw temporarily pending the receipt of a report on the conduct and lack of competence of the student.

Withdrawal

After giving the student an opportunity to be heard, the Director may require a student to withdraw from the practicum if the Director is satisfied that the student's conduct or lack of competence may adversely affect members of any of the groups identified in the paragraph above.

Voluntary Withdrawal

Students seeking voluntary withdrawal from a practicum, whether permanent or temporary, must receive permission to do so from their faculty supervisor in Human and Social Development.

Notification of Records Services

Students who withdraw temporarily from a practicum must notify Records Services in writing. Students who are required to withdraw from a practicum will be withdrawn from any course involved by written notification from the Director to Records Services.

Readmission

Students who have withdrawn from a practicum for whatever reason who later wish to reenter the practicum must apply for readmission to the course and should not assume that readmission is guaranteed.
Appeals
The normal avenues of final appeal, page 40, are available to students who have been required to withdraw from a practicum. Students in the Faculty of 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, 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
IGOV course offerings in the Certificate Program are subject to adequate enrolment. Please note that at this time, no new students will be admitted to the Certificate Program.
This Faculty of Human and Social Development program is a unique part-time university credit program. The courses focus on topics such as critical thinking, leadership and management in indigenous organizations, as well as the legal, political, economic and public policy dimensions of governance in indigenous communities.
The entire certificate program is offered by distance through a combination of distributed learning options and on-campus seminars.
Upon completion of eight credit courses, a Certificate in the Administration of Indigenous Governments is granted. Students may also 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 attended the courses in a series of one or more multi-day seminars. With a renewed commitment to making the program relevant to community needs, the program may also be offered on location in indigenous communities, with the course delivery mode designed to accommodate the scheduling needs of the students and preferences of the organization.

Program Admission
Successful applicants will be expected to meet the University English requirements and to have completed Grade 12.

Mature applicants will be considered, as detailed in University policy. Courses will be taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at UVic, and applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program. Candidates without formal post-secondary qualifications but with demonstrable experience may be admitted, with continuation in the program subject to performance in the first two to three courses with a grade of C+ or better. A limited number of students not formally admitted to the program may register for individual courses, with the permission of the Program Administrator.
Students wishing to 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
IGOV course offerings in the Certificate Program are subject to adequate enrolment.
Students must complete eight required courses to receive a certificate. Successful completion of IGOV 381, IGOV 382, IGOV 383 and IGOV 384 are prerequisites for progression through the program.
The required courses are:
- IGOV 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
School of Child and Youth Care

Website: <www.cyc.uvic.ca>

Daniel Scott, BA (York), MA, PhD (UVic), Director and Associate Professor
James Anglin, BA (Car), MSW (Brit Col), PhD (Leicester), Professor and Associate Vice-President, Academic/Director of International Affairs
Sibylle Arzt, BA, MA, PhD (UVic), Professor
Jessica Ball, BA (UBC), MA, MPH, PhD (Berkeley), Professor
Gordon Barnes, BSc (Man), BA (Winn), MA, PhD (York), Professor
Marie Haskins, 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, BA, PhD (UVic), Assistant Professor
Veronica Pacini-Ketchabaw, BA, MEd (York), PhD (U of T), Assistant Professor
Jennifer White, BA (UVic), MA, EDD (UBC), Assistant Professor
Shanne McCaffrey, BEd (Sask), MA, (UVic), Senior Instructor
Greg Saunders, BA, MA (UVic), Senior Instructor
Jin-Sun Yoon, BA, MEd (UBC), Senior Instructor

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, behaviour 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. Beginning in the spring of 2009 graduates of this program will receive the new "Bachelor of Child and Youth Care" degree designation.

At the undergraduate level, the School of Child and Youth Care offers a Bachelor's of Child and Youth Care (BCYC) and, through partnerships with Indigenous communities, can also offer a Diploma in Child and Youth Care, based in Indigenous community-based coursework.

Graduate Program
The School offers an MA and PhD in Child and Youth Care. For more information about this program, see the UVic Graduate Calendar.

Program Options for Students
The School of Child and Youth Care offers distance, blended and/or campus-based course delivery options for the 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 collegial virtual classroom environment, students may also choose to participate in the SCYC web-community. This community provides all students with the opportunity to build new relationships and understandings outside the walls of the classroom.

Programs for the distance and blended students are designed to be completed in 2-3 years. Distance delivery is available throughout Canada and may be available to students in other locations by special arrangement.

ADMISSIONS

Applicants Transferring from Other Institutions
Students wishing to apply to the School of Child and Youth Care from other colleges or universities must either have completed a minimum of 12 units of university transfer courses or have completed a human services diploma from an accredited institution with an overall GPA of B.

2008-09 UVIC CALENDAR
cial 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. Applications forms for the School of Child and Youth Care may 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 professional academic program at an accredited institution with an overall GPA of B (5.0) or higher may be eligible to receive block credit upon admission to the SCYC (15 units for a one-year certificate and 30 units for a two-year diploma). This does not include vocation(al certificates or diplomas. For further information on transfer credit, consult the BC Child and Youth Care Educators’ website: <www.cycecc.bc.ca>. While every effort is made to keep the website updated, the UVic calendar content takes precedence in the event of errors or discrepancies on the website.

**SCHOOL ACADEMIC REGULATIONS**

**Criminal Record Checks**

Criminal record checks are required of students before they commence practicum placements. Students are responsible for completing this process.

**Leave of Absence**

Upon completion of one or more years in the School of Child and Youth Care, students may apply in writing to the School for a one-year leave of absence. The deadline for such a request is normally March 31.

**Prior Learning Assessment**

Prior Learning Assessment (PLA) uses a range of flexible assessment procedures, including course challenge, to evaluate for credit within the Child and Youth Care program learning that is gained through non-credit education, training or experience.

Learners may receive recognition for demonstrated learning that is consistent with the achievement levels and learning outcomes appropriate to selected courses. The assessment of prior learning will be completed within a special course section dedicated specifically to this function.

A maximum of 10.5 units of academic credit may be obtained through PLA. No course whose equivalent already appears on a student’s transcript may be completed by PLA.

Normally only students who have been admitted to the School of Child and Youth Care can apply for PLA. Initial inquiries should be directed to the Student Adviser, who can provide PLA application forms and information on deadlines. Access to flexible assessment in any particular year is dependent upon the availability of resources within the School.

No fourth-year courses may be completed by prior learning assessment.

**Standing**

Students whose sessional GPA falls below 3.0 or who fail to receive a C+ in any core CYC or other required course may be required to withdraw from the program.

**PROGRAM REQUIREMENTS**

**Child and Youth Care Course Information**

The following requirements apply to students entering the School of Child and Youth Care degree program in the year governed by this calendar. For students previously admitted to the program, please refer to the calendar for the year of their initial admission.

- Students require a minimum of 60 units of university credit to graduate; a minimum of 30 of these must be granted by UVic. Students granted the BCYC must complete 46.5 units of CYC required courses and an additional 3 units of 100 level English with a minimum grade of C+.
- All required courses, except for CYC 210, 310, 410 and 475, are available by on-campus and distance delivery to both CYC and non-CYC students. The practicum and lab courses are restricted to CYC students. (Credit may be given for required courses where they are assessed as equivalent).
- 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**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
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<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>
<tr>
<td>CYC 205 (3.0)</td>
<td>Applying Change Theory in Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 210 (1.5)</td>
<td>Supervised Practicum I</td>
</tr>
<tr>
<td>CYC 230 (1.5)</td>
<td>Introduction to Practice Indigenous Contexts</td>
</tr>
<tr>
<td>CYC 240 (1.5)</td>
<td>Ethical Decision Making in Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 250 (1.5)</td>
<td>Introduction to Law in Child and Youth Care Contexts</td>
</tr>
<tr>
<td>CYC 265 (1.5)</td>
<td>Introduction to Group Work in Child and Youth Care Practice</td>
</tr>
</tbody>
</table>

**Specialization Streams**

The School of Child and Youth Care offers a number of specialization streams that students may choose as part of their degree.

**Child Protection Stream**

The following courses must be completed to meet the requirements for the Child Protection stream:

- CYC 467 (1.5) Interdisciplinary Practice with Children and Families
- CYC 410 (4.5) Advanced Supervised Practicum (must be completed in a Ministry of Children and Family Development or delegated First Nations child welfare setting)

**Early Years Stream**

The following courses must be completed to meet the requirements for the Early Years stream:

- CYC 380 (1.5) Practices for Young Children and Families: Historical and Contemporary Perspectives
- CYC 381 (1.5) Leadership, Advocacy and Policy for the Early Years
- CYC 480 (1.5) Advanced Applied Capacity Building for the Early Years
- CYC 481 (1.5) Issues of Assessment and Evaluation with Young Children and Families
- CYC 410 (4.5) Advanced Supervised Practicum (must be completed in an early years setting)
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:

- CYC 461 (1.5) Child Life Practice in Hospitals and Community Settings
- CYC 410 (4.5) Advanced Supervised Practicum (must be completed in a hospital or community health setting)

**Professional specialization certificate in international child and youth care**

The School of Child and Youth Care has been able to respond to child and international development needs through a 9.0 unit, post-degree Early Childhood Development Virtual University (ECDVU) program. This one-year program is only available on a distributed learning, special delivery basis in international development regions and contexts (for example Africa and Middle East). The students participating in these deliveries are identified on a group basis through a country nomination process (not through self-registration). Typically, students have a minimum of seven or more years of leadership experience in the field and have completed an initial professional diploma or degree. See the ECDVU website: [www.ecdvu.org](http://www.ecdvu.org)

**Certificate Course Requirements:**

- CYCI 484 (1.5) Historical and Contemporary Theoretical Perspectives in Early Childhood Care and Development
- CYCI 485 (1.5) Child and Adolescent Development in Context
- CYCI 486 (1.5) Professional Leadership in Early Childhood Care and Development
- CYCI 487 (1.5) Models, Programs and Strategies for Intervention in Early Childhood Care and Development
- CYCI 460 (2 x 1.5) Special topics courses in Child and Youth Care

**Diploma in Child and Youth Care, Indigenous 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. Certain specific admission criteria apply to applicants in this program. The School recognizes the successful completion of the 30-unit program with a Diploma in Child and Youth Care, the 30-unit Diploma is recognized towards completion of the 60-unit degree program in CYC. Students wishing to complete the CYC degree following diploma completion must apply to the degree program. Students may follow one of two options to complete their diploma: Option One: 28.5 CYCB units plus 1.5 English units. NOTE: Option Two is only available through specific agreement with sponsoring communities.

**Option One (Distance Learning)**

Students pursuing their diploma through the first option must be recommended by the appropriate Aboriginal community review body for admission. The course work will normally include:

- CYC 100 (3.0) Introduction to Professional Child and Youth Care Practice
- CYC 101 (1.5) Introduction to Child and Youth Care Practice and Communications Technology
- CYC 130 (1.5) Professional Communications in Child and Youth Care
- CYC 132 (1.5) Child and Youth Care Practice in Aboriginal Settings
- CYC 152 (1.5) Aboriginal Leadership in Child and Youth Care
- CYC 166A (1.5) Introduction to Helping Skills in Child and Youth Care Practice 6 day lab/based course with pre- and post-work (numbers permitting)
- CYC 166B (1.5) Lifespan Development (Adolescence to Late Adolescence)
- CYC 171 (1.5) Introduction to Families: Issues, Patterns, and Processes
- CYC 205 (3.0) Appraising Change Theory in CYC Practice
- CYC 210 (1.5) Supervised Practicum I
- CYC 230 (1.5) Introduction to CYC Practice in Relation to Indigenous Contexts
- CYC 240 (1.5) Ethical Decision Making in Child and Youth Care
- CYC 250 (1.5) Introduction to Law in Child and Youth Care
- CYC 265 (1.5) Introduction to Group Work in Child and Youth Care Practice 6 day lab/based course with pre- and post-work (numbers permitting)
- CYC 266 (1.5) Child and Youth Care Practice with Families

**Option Two (Community Partnership)**

Students following option two will follow those criteria specified in a Memorandum of Agreement with each Aboriginal organization. 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 learning. Students wishing to pursue a Bachelor of Child and Youth Care Indigenous community-based course work only, and students wishing to pursue or to continue their studies in any other UVic programs will be admitted to the Child and Youth Care Indigenous community-based course work. Students who wish to pursue a Bachelor of Child and Youth Care at UVic must reapply to UVic Undergraduate Admissions and fulfill all normal admission and program requirements of the School of Child and Youth Care. Initially all students may be coded as not satisfying the UVic English requirement (page 29). Students will be coded as satisfying the English requirement once UVic Undergraduate Admissions has approved completion of the English requirement. Official transcripts must be submitted to Undergraduate Admissions for English courses completed at another accredited institution. Students may receive credit within the Indigenous community-based Child and Youth Care diploma for CEC certificates from an accredited post-secondary institution. More than 15 units of transfer credit will be granted upon admission to the diploma program.

Further information is available at the following website: [www.uvic.ca/fnpb](http://www.uvic.ca/fnpb)

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**2008-09 UVIC CALENDAR**

**School of Health Information Science**

André Kushniruk, BA (Brock), BSc (Brock), MSc (McMaster), PhD (McGill), Associate Professor and Director

Jochen R. Moehl, Staatsexamen, DrMed (Marburg), Habilitation Medizinische Informatik (Hannover Med School), Professor Emeritus

Denis J. Pratt, BSc (Alberta), MSc (Man), Professor

Gerhard W. Brauer, BA (UVic), MA (UBC), EdD (UBC) Associate Professor

Francis Lau, BSc (Alberta), MSc (Alberta), PhD (Alberta), Associate Professor

Scott MacDonald, BSc (UVic), MA (Toronto), PhD (Western Ontario), Associate Professor

Elizabeth Borycki, RN, HBScN (Lakehead), MN (Manitoba), PhD (Toronto) Lecturer

Ken Chung, BA (California), MSc (Calgary), Senior Laboratory Instructor
FACULTY OF HUMAN AND SOCIAL DEVELOPMENT

LISTED APPOINTMENTS

Visiting, Adjunct and Cross-Listed Appointments

Gerrit W. Clements, BA (Calgary), LLB (Alberta), Adjunct Professor
John Horne, BA (Victoria), MA (Carleton), PhD (Carleton), Adjunct Professor
Malcolm Maclellan, BA (Oxford), SM (Harvard), SD (Harvard), Adjunct Professor
Richard Stanwick, MSc (McGill), MD BSc (Manitoba), Adjunct Professor
Bruce Carleton, B.Pharm (Washington), Pharm. D (Utah), Adjunct Associate Professor
Patricia M. Coward, PhD (Case Western Reserve), MN (Alberta), BScN (Toronto) Adjunct Associate Professor
Paul D. Fisher, BSc (UVic), MSc, PhD (Alberta), Adjunct Associate Professor
Michael R.J. Guerriere, MD (Toronto), Adjunct Professor
Robert S. Hayward, Master of Public Health (John Hopkins), MD (Queen's), BA (Yale) IB (United World College of the Atlantic), Adjunct Professor
Jens Weber-Jahnke, Diploma (Dortmund), PhD (Paderborn), Adjunct Associate Professor
Jeff Barnett, BSc (UVic), MSc (UVic) Adjunct Assistant Professor
Marilynne Hebert, BSc (Alberta), PhD (UBC), Adjunct Assistant Professor
Ellen Balka, B (Washington), MA (Simon Fraser), PhD (Simon Fraser), Adjunct Assistant Professor
Michael Downing, MD (Western Ontario), Adjunct Assistant Professor
Christopher Eagle, MBA (Western Ontario), MD (Calgary), BSc (Calgary), Adjunct Assistant Professor
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), BBA (Lakehead), BEd. (Lakehead), M.Ed. (UBC), PhD (UBC), Adjunct Assistant Professor
Stephen Kenny, BSc (Dalhousie), MSc (Alberta), 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, FRCPC (Calgary), Adjunct Assistant Professor
Nola Ries, BA (Alberta), LLB (UVic), MBA (UVic), LLM (Alberta), Adjunct Assistant Professor
Thomas Rosenal, 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.

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 permission by the School of Health Information Science to take a leave of absence, students who do not reregister will be considered to have withdrawn. Students on leave of absence are considered outside the program and will not be granted work term credit for experience gained during the leave.

Program Completion Limit

The Health Information Science Full-Time Program must normally be completed within five years from the date of admission. The Health Information Science Part-Time Option must normally be completed within eight years from the date of admission. The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits.

Readmission

Students required to withdraw will be considered for readmission only after achieving a GPA
of 3.5 or higher on a minimum of four courses in one academic term. The School of Health Information Science is under no obligation to readmit students who have been required to withdraw.

To be readmitted to the School, students may be required to repeat Health Information Science courses previously completed if, in the judgement of the Director, curriculum changes or the length of interruption is sufficient to render the applicant inadequately prepared for the subsequent courses.

Standing
Students who have failed a work term or do not maintain a GPA of 3.5 or better in each academic term, both overall and in Health Information Science courses, will normally be required to withdraw from the School for at least one calendar year.

A graduating GPA of 3.5 or higher is required for graduation. Students who do not meet this requirement will be placed on probation and must take additional, appropriate, 300- or 400-level courses in order to raise their graduating GPA to 3.5 or higher.

All students in the School of Health Information Science are required to follow the Guidelines for Professional Conduct, page 119, 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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110 (1.5)</td>
<td>Fundamentals of Programming: I</td>
</tr>
<tr>
<td>CSC 115 (1.5)</td>
<td>Fundamentals of Programming: II</td>
</tr>
<tr>
<td>ENGL 115 (1.5)</td>
<td>University Writing</td>
</tr>
<tr>
<td>ENGL 135 (1.5)</td>
<td>Academic Reading and Writing</td>
</tr>
<tr>
<td>HINF 140 (1.5)</td>
<td>Introduction to the Canadian Health Care Systems</td>
</tr>
<tr>
<td>HINF 130 (1.5)</td>
<td>Introduction to Health Information Technology</td>
</tr>
<tr>
<td>MATH 151 (1.5)</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>Electives (3.0 or 4.5)</td>
<td></td>
</tr>
</tbody>
</table>

1. Students without Biology 12 are required to take one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPHE 141 (1.5)</td>
<td>Introductory Human Anatomy</td>
</tr>
<tr>
<td>BIOC 102 (1.5)</td>
<td>Biochemistry and Human Health</td>
</tr>
<tr>
<td>BIOL 150A or 150B (1.5)</td>
<td>Modern Biology</td>
</tr>
</tbody>
</table>

Students with credit for Biology 12 will take 4.5 units of electives.

**Second Year: First Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 200 (1.5)</td>
<td>Principles of Health Database Design</td>
</tr>
<tr>
<td>HINF 230 (1.5)</td>
<td>Organizational Behaviour and Change Management</td>
</tr>
<tr>
<td>STAT 252 (1.5)</td>
<td>Statistics for Business</td>
</tr>
<tr>
<td>Electives (3.0)</td>
<td></td>
</tr>
</tbody>
</table>

**Second Year: Second Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 201 (1.5)</td>
<td>Database Management and Development for Health Care Systems</td>
</tr>
<tr>
<td>HINF 265 (1.5)</td>
<td>Health Care Delivery Organization</td>
</tr>
<tr>
<td>HINF 280 (1.5)</td>
<td>Biomedical Fundamentals</td>
</tr>
<tr>
<td>Electives (3.0)</td>
<td></td>
</tr>
</tbody>
</table>

**Second Year: May-August**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 371 (1.5)</td>
<td>Clinical Methodologies</td>
</tr>
</tbody>
</table>

**Third Year: First Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 375 (1.5)</td>
<td>Introduction to Systems Analysis</td>
</tr>
<tr>
<td>HINF 320 (1.5)</td>
<td>Project Management</td>
</tr>
<tr>
<td>HINF 335 (1.5)</td>
<td>Health Information Technologies and Standards</td>
</tr>
<tr>
<td>HINF 350 (1.5)</td>
<td>Human Aspects of Healthcare Information Systems</td>
</tr>
<tr>
<td>HINF 381 (1.5)</td>
<td>Epidemiology, Population Health and Public Health</td>
</tr>
</tbody>
</table>

**Third Year: Second Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 310 (1.5)</td>
<td>Electronic Records and Decision Support Systems</td>
</tr>
<tr>
<td>HINF 330 (1.5)</td>
<td>Legal Issues in Health Informatics</td>
</tr>
<tr>
<td>HINF 345 (1.5)</td>
<td>Networks, Interoperability and Systems Security</td>
</tr>
<tr>
<td>HINF 351 (1.5)</td>
<td>Information Technology Procurement</td>
</tr>
</tbody>
</table>

**Third Year: May-August**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 410 (1.5)</td>
<td>Information Management and Technology</td>
</tr>
<tr>
<td>HINF 420 (1.5)</td>
<td>Societal and Ethical Implications of Information Technology</td>
</tr>
<tr>
<td>HINF 450 (1.5)</td>
<td>Health Information System Design</td>
</tr>
<tr>
<td>HINF 461 (1.5)</td>
<td>System Evaluation and Quality Improvement</td>
</tr>
<tr>
<td>HINF 470 (1.5)</td>
<td>Trends in Health Informatics</td>
</tr>
</tbody>
</table>

**Fourth Year: First Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 450 (1.5)</td>
<td>Health Information System Design</td>
</tr>
<tr>
<td>HINF 461 (1.5)</td>
<td>System Evaluation and Quality Improvement</td>
</tr>
<tr>
<td>HINF 470 (1.5)</td>
<td>Trends in Health Informatics</td>
</tr>
</tbody>
</table>

**Fourth Year: Second Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 450 (1.5)</td>
<td>Health Information System Design</td>
</tr>
<tr>
<td>HINF 461 (1.5)</td>
<td>System Evaluation and Quality Improvement</td>
</tr>
<tr>
<td>HINF 470 (1.5)</td>
<td>Trends in Health Informatics</td>
</tr>
</tbody>
</table>

**Fourth Year: May-August**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 450 (1.5)</td>
<td>Health Information System Design</td>
</tr>
<tr>
<td>HINF 461 (1.5)</td>
<td>System Evaluation and Quality Improvement</td>
</tr>
<tr>
<td>HINF 470 (1.5)</td>
<td>Trends in Health Informatics</td>
</tr>
</tbody>
</table>

**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 noted below apply to 300- and 400-level courses not listed below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMN 424</td>
<td>Public Sector Human Resources and Labour Relations</td>
</tr>
<tr>
<td>ADMN 431</td>
<td>Program Evaluation and Performance Measurement</td>
</tr>
<tr>
<td>ANTH 312</td>
<td>Medical Anthropology</td>
</tr>
<tr>
<td>CENG 420</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>CSC 360</td>
<td>Introduction to Operating Systems</td>
</tr>
<tr>
<td>CSC 450</td>
<td>Computer Communications and Networks</td>
</tr>
<tr>
<td>ECON 317</td>
<td>The Economics of Canadian Health Care</td>
</tr>
<tr>
<td>GEOG 473</td>
<td>Medical Geography</td>
</tr>
<tr>
<td>HSD 400</td>
<td>Policy in the Human Services</td>
</tr>
<tr>
<td>POLI 456</td>
<td>The Politics of Information</td>
</tr>
<tr>
<td>SOCI 445</td>
<td>Sociology of Health and Illness</td>
</tr>
</tbody>
</table>

**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 3.5 or better in each academic term will normally be required to withdraw from the School for at least one calendar year. This is a full-time program only.

Year 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 130, 140</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
<td>4.5</td>
</tr>
<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</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Year 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 200, 201, 280</td>
<td>4.5</td>
</tr>
<tr>
<td>1 HINF 200 level</td>
<td>1.5</td>
</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>
</tbody>
</table>

Year 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 HINF 300 level</td>
<td>4.5</td>
</tr>
<tr>
<td>CSC 375</td>
<td>1.5</td>
</tr>
<tr>
<td>2 of CSC 320, 322, 330, 355, 360, SENG 321</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Year 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 HINF 400 level</td>
<td>3.0</td>
</tr>
<tr>
<td>3 CSC 400 level</td>
<td>4.5</td>
</tr>
<tr>
<td>Other courses</td>
<td>7.5</td>
</tr>
</tbody>
</table>

1. Students without grade 12 Biology must replace this elective with one of EPHIE 141, BIOC 102, BIOL 150A, BIOL 190A.
2. One of these courses may be SENG at the 400 level.
3. These 7.5 units of other courses must be at the 300 level or higher and include at least 3 units chosen from Health Information Science, Computer Science or SENG.

Co-operative Education

Please refer to page 45 of the Calendar for the general description of Co-operative Education.

The distinguishing feature of the Co-operative Education approach is the inclusion, as an integral part of the degree, of three work terms 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 do not achieve a minimum 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 student
   - 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 two work terms with at most two in one department, and be enrolled in a minimum of six units of course work each campus term in order to graduate in this program. Work terms are to be distributed between the two programs, with no more than two work terms being taken in one program.

School of Nursing

Noreen Frisch, BSN (California State), MSN (Dalhousie), MSN (U. of Evansville), PhD (Southern Illinois), Professor and Director of the School of Nursing

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

Gweneth A. Duane, BSN, MA, PhD (Victoria), Associate Professor

Marjorie MacDonald, BN (Calg), MSc (Wat), PhD (Brit Col), Associate Professor

Marjorie McIntyre, BSN (Victoria), MSN (Brit Col), PhD (U of Colorado), Associate Professor and Associate Director, Graduate Education

P. Jane Milliken, BScN, MA, PhD (Alta), Associate Professor

Deborah Northrup, BN, MN (Dal), PhD (U of Texas), Associate Professor

Mary Ellen Parkis, BSN (Calg), MSc, PhD (Edin), Associate Professor and Dean of Faculty

Lauren E. Shields, BSN (Victoria), MS, PhD (Ore), Associate Professor and Associate Dean of Faculty, Academic

Rosalie Starzomski, BN (Dal), MN (Calg), PhD (Brit Col), Associate Professor

Lynne Young, BSN, MSN, PhD (Brit Col), Associate Professor, Associate Director of Research and Scholarship

Anne Bruce, BSN (Victoria), MSN, PhD (Brit Col), Assistant Professor

Sa-Er Guo, BSN (Taipei Medical University), MSN (National Defense Medical University), PhD (Case Western Reserve), Assistant Professor

Karen MacKinnon, BSN, MSN (Tor), PhD (Calg), Assistant Professor

Joan MacNeil, RN, BscN (U of Ab), MHSc (McMaster), PhD (Wayne State U), Assistant Professor

Janice McCormick, BN (Man), MScN, PhD (Brit Col), Assistant Professor

Carol McDonald, BSN, PhD (Calg), Assistant Professor

Bernie Pauly, RN, BSN, MN (U of Ab), PhD (UVic), Assistant Professor

James Ronan, BSN (Texas), MN (Oregon Health Sciences), PhD (Arzona), Assistant Professor

Esther Sangster-Gormley, BSN, MS (U. S. Florida), PhD (C) (Dalhousie), Assistant Professor

Kelli Stajduhar, BSN (Victoria), MSN, PhD (Brit Col), Assistant Professor

Careen Heenan, BSN (Brit Col), MS (U of Portland), Senior Instructor
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 this philosophy is the metacommunity of caring. Caring is understood as the attitude and activity of nursing, and is considered in every nursing course.

Emerging from this philosophical orientation is a health promotion perspective that has been used as a conceptual framework to organize the curriculum. This framework acknowledges the need for a socio-ecological perspective with a multidisciplinary focus. This shift in focus from illness to health represents a deliberate move away from a medical model to an understanding of nurses' work as focusing on people and their experiences with health and healing. Inherent in this orientation is the use of innovative teaching methodologies which encourage the development of critical thinking, discovery of personal meaning and empowerment.

Another unique feature of this curriculum is the emphasis on 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 Education 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 Nursing program.
6. Students must be fit-tested before initial use of their personal respirators and annually thereafter while in the BSN program, and they must provide evidence of a personal respirator quantitative fit-test prior to attending any practice placement.
7. As of January 2004, all students entering the continuing program must have access to the Internet, e-mail and the World Wide Web for the duration of the program.
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 119, and be aware of the consequences of unprofessional conduct, and are subject to the provisions of the Canadian Nurses’ Association (CNA) Code of Ethics for Registered Nurses and the College of Registered Nurses of British Columbia (CRNBC) professional and/or practice standards (or the equivalent in the province/territory/state in which the student practises). In addition to the above, the following School of Nursing practice regulations apply:

1. Where a student is enrolled in a Nursing Practice course (including NURS 345, 351, 370, 431, 470, 475, 491, 495) and there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in a nursing practice course has adversely affected or may adversely affect, those associated with the practice placement including:
   a) clients and/or their families;
   b) student peers; or
   c) health care professionals, agency volunteers or others in health related fields liaising with the UVic Bsn program

OR

The student has breached the HSD Faculty Guidelines for Professional Conduct and Regulations Concerning 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

c) assign a failing grade (grade of F or N) to the student’s performance in the course and report the failure to the designated committee.

2. The School of Nursing designated committee will review a student’s enrollment in a nursing practice course (including review of practice appraisals) and/or the nursing degree program where:

   a) a failing grade (F or N) has been assigned to the student’s performance in a course;
   b) a report has been received that a student has breached the HSD Faculty Guidelines for Professional Conduct and the 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 provincial/territorial or state equivalent where the student’s practicum is taking place).
After receiving a written request from the student and giving the student an opportunity to be heard by telephone conference call, or in person, the designated committee may permit a student to retake a course in which a student has been assigned a failing grade (with or without additional requirements/conditions) OR require the student to withdraw from a nursing practice program in which the student is enrolled. Practice courses, and the corequisite theory course where applicable, in deferred status must be completed prior to starting a subsequent practice course.

Program Completion Limit
The nursing program at the University of Victoria must normally be completed:

- Continuing Program: within seven years from the date of admission to the School of Nursing at the designated CAEN partner institution
- Post-Diploma Program: within six years

The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits. Students seeking readmission to the School may be required to repeat nursing courses previously completed if, in the judgment of the Director or designate, curriculum changes or the length of interruption are sufficient to render the applicant inadequately prepared for the courses.

Standing
All students must maintain a cumulative GPA of 3.0 to proceed through the program and graduate. Students who fall below this level will be required to discuss their program with the Director 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.

Agency Orientation/Instruction
If not already completed, or as mandated by the agency prior to or at the start of a practice experience, students must fulfill the requirements for staff orientation, and health records and medication management instruction.

Code of Ethics and Standards of Practice
All students must adhere to the Canadian Nurses’ Association (CNA) Code of Ethics for Registered Nurses and/or to the professional and practice standards (or equivalent) of the Registered Nurses’ Licensing Organization in the jurisdiction in which they are undertaking their practice experience. Students who fail to adhere to these codes and standards may be required to withdraw from the program.

Please refer to the Faculty’s “Guidelines for Professional Conduct” and “Regulations Concerning Practice”, page 119.

Criminal Record Reviews
While not a requirement for admission, most practice agencies require the completion of a Criminal Record Review/Check prior to accepting the student’s placement in the agency. Any costs related to this are the responsibility of the individual student. Students who do not complete the Criminal Record Review are usually unable to obtain a practice placement.

Students in BC have a Criminal Record Review completed with their CRNBC registration. Students undertaking practice experiences in a jurisdiction outside BC are responsible to ensure they have a Criminal Record Review or equivalent if required by their practice experience agency.

Applicants or students with criminal convictions are advised to contact the appropriate registered nurses’ association with regard to specific questions involving criminal convictions and ability to register as a nurse in the jurisdiction in which they are undertaking their practice experience.

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.

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 at another 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
Students may also be 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

300 Level

NURS 325 (or NURS 320) (1.5) Explorations of Nursing Knowledge and Practice
NURS 345 (or NURS 330 and 331) (3.0) Family Nursing
NURS 341 (1.5) Professional Growth III: Nursing Inquiry
NURS 350 (1.5) Health IV: Health Promotion and Community Empowerment
NURS 351 (1.5) Health Practice VI
NURS 360 (1.5) Professional Growth IV: Research
Non-nursing elective1 (1.5)

400 Level

NURS 430 (1.5) Professional Growth V: Nurses Influencing Change
NURS 431 (1.5) Nursing Practice VII
NURS 4952 (or NURS 491) (1.5-4.5) Nursing Practice Synthesis

Nursing Electives

NURS 450 (1.5) Nursing Leadership and Management
NURS 481C (1.5) Nursing Practice in Hospice Palliative Care
NURS 483 (1.5) Teaching and Learning in Nursing Practice
NURS 484 (1.5) Nursing with Aboriginal Peoples in Canada
NURS 486 (1.5) Mental Health Challenges in Later Life
NURS 487 (1.5) Health Care Law
NURS 488 (1.5) Women’s Health
NURS 489 (1.5) Culture and Health
NURS 493A (1.5) Community Health Nursing
NURS 493C (1.5) Lived Experience of Health in Aging
HSD 400 (1.5) Policy in the Human Services
HSD 401 (1.5) Women in the Human Services
HSD 425 (1.5) Qualitative and Quantitative Analysis

School of Public Administration

Evert A. Lindquist, BA (Carleton), MA (UWO), MPP, PhD (U of Calif-Berkley), Professor and Director of the School of Public Administration
Catherine Althaus, B Comm (Griffith), PhD (Griffith), Assistant Professor
Herman Bakvis, BA (Queen’s), MA, PhD (UBC), Professor
J. Barton Cunningham, BA (Brigham Young), MPA, PhD (USC), Professor
David A. Good, M City Planning (Pennsylvania), MPP, PhD (U of Calif-Berkley), Professor
John Langford, BA (Carleton), MA (Oxford), PhD (McGill), Professor
James N. MacGregor, MA (Glasgow), MSc, PhD (UVic), Professor
James C. McDavid, BA, MA (UofA), MA, PhD (Indiana), Professor
Emmanuel Brunet-Jaillly, BA Law (University of Aix-Marseille III), MA (Virginia Polytechnic Institute and U of Paris), Post Graduate Degree in Management (Conservatoire National des Arts et 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
Lindsay Tedds, BA Political Science (Carleton), BA Economics (UVic), MA (UVic), PhD (McMaster), Assistant Professor
Rebecca N. Warburton, BA (Cornell), MSc (London School of Economics), PhD (U of London), Assistant Professor
Heather A. Kirkham, BA (Lethbridge), Program Manager, Diploma and Professional Programs
Barbara Svec, MPA (UVic), Co-operative Education Coordinator
Jill Taylor, BA (UofA), MED (Canberra), Academic Administrative Officer
Cindy Valance, BA (Emily Carr), Manager, Centre for Public Sector Studies

Visiting, Adjunct and Cross-listed Appointments

Robert L. Bish, PhD (Indiana), Professor Emeritus
James Catt, MA (Edinburgh), MA, PhD (UofT), Professor Emeritus
A. Rodney Dobell, BA, MA (UBC), PhD (MIT), Professor Emeritus
John J. Jackson, MSc (Ottawa), PhD (UofA), Professor Emeritus
Hartmut J. Will, Dipl-Kfm (FU, Berlin), PhD (III), Professor Emeritus
Sandford Borins, PhD (Harvard), Adjunct Professor
John L. Fryer, BSc (London), MA (Pitt), Adjunct Professor
George L. Morfitt, B Comm (UBC), MA (CICA), Adjunct Professor
Victor Murray, BA (Manitoba), MA (Minn), PhD (Cornell), Adjunct Professor
Gordon Smith, PhD (MIT), Adjunct Professor
Colin J. Bennett, BSc, MSc (Wales), PhD (III), "Cross-listed Professor"
Michael J. Prince, BA (Carleton), MPA (Queen's), PhD (Exeter), "Cross-listed Professor (2002-2005)"
Lansdowne Professor (Social Policy)
Anthony Campbell, BA (Queen's), Adjunct Associate Professor
Barry Carin, BA (McGill), PhD (Brown), Adjunct Associate Professor
John B. Robinson, BA (UofT), MES (York), PhD (UofT), Adjunct Associate Professor
Thea E. Vakil, BA, MSc (UBC), Adjunct Associate Professor
Eric Clemens, RArCh (Manitoba), MArCh (Wash), MPA (UVic), Adjunct Assistant Professor
Chris Corbett, BA, MA, PhD (UVic), Adjunct Assistant Professor
Allison M. Habkirk, BA (UVic), MA (UBC), MPA (UVic), Adjunct Assistant Professor
William J. Lawrence, MA (Concordia), Adjunct Assistant Professor
Diana M. Smith, BSc (UofA), MPA (Carleton), Adjunct Assistant Professor

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 study at university or at institutions such as BCIT, community colleges or recognized professional associations.

Candidates without formal post-secondary qualifications but with demonstrable appropriate experience may be admitted as conditional students, with continuation in the program subject to performance in the first three courses with a grade of C+ or better.

In addition to academic background, all applicants should have a minimum of three years' experience in dealing with issues characteristic of the public sector and/or non-profit sector. A limited number of students not formally admitted to the program may register for individual courses with the permission of the Director of the School of Public Administration. Inquiries about the program should be forwarded to:

Program Manager
Diploma in Public Sector Management School of Public Administration University of Victoria, Box 1700 STN CSC Victoria BC V8W 2Y2 Phone: (250) 721-8074 E-mail: hkirkham@uvic.ca

Admission to the Diploma in Public Sector Management from UVic's Certificate in the Administration of Indigenous Governments
Students who have completed the CAIG may apply for admission to the Diploma in Public Sector Management. To meet the DPSM requirements, students must complete ADMN 310, 311, 312, 314, 420 and 431. The Diploma's requirement of ADMN 316 will be waived if a student has credit for IGOV 380.

Note: Students who completed the (former) Certificate in Administration of Aboriginal Governments (CAAG) must, upon admission to the DPSM, complete ADMN 310, 311, 312, and one of ADMN 314, 420 or 431.

Transfer Credit and Waivers
Students may be permitted to complete up to 4.5 units of credit towards the Diploma in Public Sector Management by taking appropriate courses offered through other departments of the University of Victoria or at other universities. Prior approval must be obtained from the Director of the School of Public Administration.

If a Diploma student holds a UVic degree that includes ADMN courses, up to 4.5 units (three courses) of credit may be waived towards a DPSM.

Students may be granted approval to exceed 4.5 units of transfer credit in cases where the credit has been (or will be) obtained for graduate-level courses (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:

1. 12 units of required core courses from
   - ADMN 310 (1.5)
   - ADMN 311 (1.5)
   - ADMN 312 (1.5)
   - ADMN 314 (1.5)
   - ADMN 316 (1.5)
   - ADMN 420 (1.5)
   - ADMN 421 (1.5)
   - ADMN 431 (1.5)

2. 4.5 units chosen from the following areas as appropriate to the students' needs and interests:
   - ADMN 407
   - ADMN 409
   - ADMN 422
   - ADMN 424
   - ADMN 437
   - ADMN 477

Courses for further credit towards the DPSM:
- ADMN 311, 314, 421, 422 and 437.
The Diploma in Local Government Management is intended for practising or prospective managers in local government who wish to acquire the skills and background necessary for effective and responsible management, and who are interested in broadening their understanding of the administrative process.

The Diploma will be awarded upon successful completion of 11 courses or 16.5 units, with an overall GPA of at least 2.0. Courses in this program are applicable towards professional certificates awarded by the Board of Examiners, Ministry of Community Services (see Local Government Option, above).

Admission

Courses are taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at the University of Victoria; applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program.

Students without a bachelor's degree will normally be expected to have obtained the equivalent of at least the first two years of post-secondary study at university or at institutions such as BCIT, community colleges or recognized professional associations.

Candidiates 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 and Waivers

Students may be permitted to complete up to three courses (4.5 units of credit) towards the Diploma in Local Government Management by taking appropriate courses offered through other departments of the University of Victoria, other universities or university colleges. Prior approval must be obtained from the Director of the School of Public Administration. If a Diploma student holds a UVic degree that included ADMN courses, up to 4.5 units (three courses) of credit may be waived towards a DLGM.

Students may be granted approval to exceed 6 units of transfer credit in cases where the credit has been (or will be) obtained for graduate-level courses taught through the School of Public Administration at the University.

At the discretion of the Director, block transfer credit of up to 4.5 units may be allowed for other post-secondary certificates or diplomas if the program covers appropriate topics.

Transfer Credit from the School's Professional Specialization Certificates

Upon admission to the Diploma in Local Government Management Program, students who hold a Professional Specialization Certificate from the School may transfer four courses (6 units) into the DLGM. Students will be required to meet the Diploma requirements by completing ADMN 316 (1.5 units), plus at least six 1.5 unit ADMN courses (not duplicating courses already taken in the Certificate). The combination of the PSC and Diploma must include ADMN 310, 312, 316, 423, 445, 448 (or 421), 452 and 465.

Transfer Credit from Capilano 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

Managerial Theory and Practice

ADMN 407 ADMN 409 ADMN 422
ADMN 424 ADMN 431 ADMN 437
ADMN 477

Policy Areas

ADMN 311 ADMN 446 ADMN 470
ADMN 490
Courses in this program will be available as 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

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**Cultural Sector Leadership**

An on-campus orientation session may be required, in addition to the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ADMN 409</td>
<td>1.5</td>
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<tr>
<td>ADMN 437</td>
<td>1.5</td>
</tr>
<tr>
<td>ADMN 477</td>
<td>1.5</td>
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</tbody>
</table>

Plus, choice of one of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADMN 421</td>
<td>1.5</td>
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<tr>
<td>ADMN 431</td>
<td>1.5</td>
</tr>
<tr>
<td>HA 488A</td>
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<td>HA 488P</td>
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<tr>
<td>HA 488Q</td>
<td>1.5</td>
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<tr>
<td>HA 488R</td>
<td>1.5</td>
</tr>
<tr>
<td>HA 488M</td>
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</tbody>
</table>

or other 300- or 400-level course with approval of adviser.

**Local Government Management**

Required: one of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ADMN 312</td>
<td>1.5</td>
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<tr>
<td>ADMN 423</td>
<td>1.5</td>
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</tbody>
</table>

Plus, choice of three of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ADMN 312</td>
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<tr>
<td>ADMN 422</td>
<td>1.5</td>
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<tr>
<td>ADMN 423</td>
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</tbody>
</table>

Note: to meet the Provincial Board of Examiners requirements for the Certificates in Local Government Administration and Local Government Statutory Administration, students should take ADMN 312, 445, 452, and 465. ADMN 422 also required for the Certificate in Local Government Executive Management.

**Performance Management**

Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ADMN 437</td>
<td>1.5</td>
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</table>

Plus, choice of three of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADMN 314</td>
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<tr>
<td>ADMN 407</td>
<td>1.5</td>
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<td>ADMN 421</td>
<td>1.5</td>
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<tr>
<td>ADMN 477</td>
<td>1.5</td>
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</tbody>
</table>

**Public Policy and Governance**

Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADMN 311</td>
<td>1.5</td>
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<tr>
<td>ADMN 420</td>
<td>1.5</td>
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</table>

or

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADMN 465</td>
<td>1.5</td>
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</table>

Plus two of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADMN 422</td>
<td>1.5</td>
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<tr>
<td>ADMN 437</td>
<td>1.5</td>
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<tr>
<td>ADMN 477</td>
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</tbody>
</table>

**Public Sector Management**

Choice of four of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
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<tr>
<td>ADMN 421</td>
<td>1.5</td>
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<tr>
<td>ADMN 422</td>
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</tbody>
</table>

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**Voluntary and Non-Profit Sector Management**

Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADMN 409</td>
<td>1.5</td>
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<tr>
<td>ADMN 477</td>
<td>1.5</td>
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</tbody>
</table>

Plus, choice of two of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ADMN 407</td>
<td>1.5</td>
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<tr>
<td>ADMN 421</td>
<td>1.5</td>
</tr>
<tr>
<td>ADMN 477</td>
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</tbody>
</table>

**Transfer Credit to the School’s Diploma Programs**

Upon admission to either the Diploma in Public Sector Management or the Diploma in Local Government Management Program, students who hold a Professional Specialization Certificate from the School may transfer up to four courses (6 units) into the DPSM or DLGM. Students may not duplicate courses already taken in the Certificate. The combined courses in a student's PSC and Diploma program must include all the required courses in the Diploma program.

**Minor in Public Administration**

The School of Public Administration offers a Minor in Public Administration to students enrolled in other undergraduate programs at UVic. The Minor in Public Administration will be awarded upon completion of six 1.5 unit courses (9 units). The minor will give students a range of topics relevant to the public and/or non-profit sectors, including applied policy and public sector management. The program can be completed via distributed (distance) learning methods, but some courses (POLI) are available on campus.

**Program Requirements:**

Three required courses (4.5 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ADMN 311</td>
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<tr>
<td>ADMN 312</td>
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</table>

and one of

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ADMN 420</td>
<td>1.5</td>
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<tr>
<td>ADMN 465</td>
<td>1.5</td>
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<tr>
<td>POLI 351</td>
<td>1.5</td>
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<tr>
<td>POLI 364</td>
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</table>

*Note: An ADMN elective may be substituted for a policy course if a student uses POLI 351 or 364 towards a POLI major.*

Three elective courses (4.5 units), selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ADMN 310</td>
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<tr>
<td>ADMN 314</td>
<td>1.5</td>
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<tr>
<td>ADMN 316</td>
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<td>ADMN 407</td>
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<td>ADMN 445</td>
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<td>ADMN 446</td>
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<tr>
<td>ADMN 447</td>
<td>1.5</td>
</tr>
<tr>
<td>ADMN 470</td>
<td>1.5-3.0</td>
</tr>
<tr>
<td>POLI 365</td>
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</tbody>
</table>


**FACULTY OF HUMAN AND SOCIAL DEVELOPMENT**

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### School of Social Work

**Pamela Miller, BA (Maryhurst), MSW, PhD**

“Philosophy” (Indiana), PhD “Social Work” (Ohio), Professor and Director of the School of Social Work

**Leslie Brown, BSW (Regina), MPA, PhD (Victoria), Associate Professor**

**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**

**Jeannine Carriere, BA (Alberta), BSW (Manitoba), MSW (UBC), PhD (Alberta), Assistant Professor**

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**Donna Jeffery, BSc (Calgary), BSW (Calgary), MA, PhD (OISE/Toronto), Assistant Professor**

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**Catherine Richardson, BA, PDPP, MED, PhD (Victoria), Assistant Professor**

**Susan Strega, BSW (Manitoba), MSW (Victoria), PhD (Southampton), Assistant Professor**

**Robina Thomas, BSW, PhD, MSW, PhD Candidate (Victoria), Assistant Professor**

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**Cheryl Moir-van Iersel, BSW (Calgary), MSW (British Columbia), Senior Instructor**

**Robert Taylor, BSW, MSW (Victoria), Senior Instructor**

**EMERITUS**

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**Marilyn J. Callahan, BA, BSW, MSW (British Columbia), PhD (Bristol), Professor Emeritus**

**John Cosom, BA (Western Ontario), BSW, MSW (Toronto), Associate Professor Emeritus**

**Andrew Farquharson, BA (Bishop’s), MSW (McGill), MEd, EdD (Edmonton), Professor Emeritus**

**Marjorie D. Martin, BA, BSW, MSW (British Columbia), Professor Emeritus**

**Brian Wharf, BA, BSW, MSW (British Columbia), PhD (Brandeis), Professor Emeritus**

**VISITING, ADJUNCT AND CROSS-LISTED APPOINTMENTS**

**Lyn Davis, BA (Florida Atlantic), MA, PhD (Florida State) Adjunct Associate Professor**

**Barbara M. Herringer, BA (Alberta), BSW, MSW (British Columbia), PhD (Victoria), Adjunct Associate Professor**

**Margie Reitsma-Street, BSW (McMaster), MSW (McGill), PhD (Toronto), Adjunct Associate Professor**

**Michael Boyle, BA (Alberta), BSW, MSW (Calgary) Adjunct Assistant Professor**

---

**Elias Cheboud, BSW (Victoria), MSW (UBC), PhD (Victoria), Adjunct Assistant Professor**

**Margaret Kovach, BA, BSW (Regina), MSW (Carleton), PhD (Victoria), Adjunct Assistant Professor**

**Penny MacCourt, BA, MSW (Manitoba) PhD (Victoria), Adjunct Assistant Professor**

**Helen Wong, BSW, MSW (Victoria), Adjunct Assistant Professor**

**Lena Dominelli, BA (Simon Fraser), MA, PhD (Surrey), Visiting Scholar**

### SESSIONAL INSTRUCTORS

**Cheryl Aro, BSW, MSW Candidate (Victoria)**

**Carolyn Anderson, MSW, PhD (Calgary)**

**Tracey Banks, BA (York), BSW (McMaster), MSW (Calgary)**

**Janette Champagne, BSW (Victoria), MSW (Dahousie)**

**Leona Daniels, BSW, MSW (Victoria)**

**Fred Ford, BA (Alberta), MRA (San Francisco)**

**Maxine Gibson, BSW, MSW (Victoria)**

**David Hannis, BA (Exeter), MED (Alberta), MSW (U.K.)**

**Sharon Hobenshield, BSW (Victoria), MED (Simon Fraser)**

**Shelly Johnson, BA, BSW (Victoria), MSW (UNBC)**

**Satinder Kaba, BA (Alberta), BSW, MSW (UBC)**

**Tracey Lavoie, BA, BSW, MSW (Manitoba)**

**Sui-May Lui, BA (Concordia), MSW (Brigham Young)**

**Penny MacCourt, BSW, MSW (Manitoba), PhD (Victoria)**

**Kirsten Mikkelsen, BSW, MA-IGOV (Victoria)**

**Rena Miller, BSW, MSW (Victoria)**

**Peter Monk, BSW (Victoria), MSW (British Columbia)**

**Harrell Montgomery, BSW, MSW (Victoria)**

**Rosni Narain, BA (Australian National) BSW, MSW Candidate (Victoria)**

**ToddOrmiston, BSW, MPA, PhD Candidate (Victoria)**

**Nancy Pike, BSW (Victoria), MSW (Dalhousie)**

**Gayle Ployer, BA (PEI), BSW (Windsor), MSW (Carleton)**

**Karen L. Potts, BA (Saskatchewan), BSW (Calgary), PhD Candidate (Victoria)**

**Andre Serzisko, BA (Victoria), MA Candidate (City University)**

**Anne Spilker, BSW (Victoria), MSW (British Columbia)**

**Robin Stevenson, BA (McMaster), MSW (Wilfred Laurier)**

**Glen Tadsen, BA (Simon Fraser), MSW (British Columbia)**

**Betty Taylor, BSW (Calgary), MSW (Carleton)**

**Kathleen Towne, BSc (Antioch, Ohio), MSW (Michigan)**

**Annemarie Travers, BA (Victoria), MSW (British Columbia)**

**Walene Whitaker, BA, MSW (UBC)**

**Fonda Willis, BA, MA (Saskatchewan)**

### ADMINISTRATIVE STAFF

**Cheryl Aro, BSW, MSW Candidate (Victoria), Indigenous Practicum Coordinator**

**Dora Leigh Bjornson, Program Director, Distance Education**

**Fairn Herising, BA (Trent), BSW (Victoria), MA Candidate (Victoria), Practicum Coordinator**

**Menno Hubregts, BA (Sask) MA Candidate (Victoria), Program Assistant, Distance Education**

**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), Academic Administrative Coordinator**

**Betty Taylor, BSW (Calgary), MSW (Carleton), Academic Adviser**

### GENERAL INFORMATION

**Mission Statement**

The emerging vision of the School of Social Work commits us to social justice and anti-racist, anti-oppressive social work practices, and to promoting critical inquiry that respects the diversity of knowing and being.

Our **educational** mission is to prepare generalist social work practitioners skilled in critical self-reflection and in working with individuals, families, groups and communities. In particular, we 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 inquiry and by supporting research and innovative curriculum development at the undergraduate and graduate levels.

Our **practice** mission is to act on social justice issues through community change initiatives and anti-oppressive social work. Our political and social responsibility is to participate in and reflect community experiences in all our efforts to challenge oppressive societal structures.

In all our activities, we aspire to create a supportive environment that promotes equity, respect, responsibility, curiosity, collaboration, flexibility, risk taking and creativity. We support interdisciplinary collaboration. We seek to provide accessible and flexible social work education and we are committed to working across differences such as gender, age, race, ethnicity, class, ability and sexual orientation.

### SOCIAL WORK PROGRAMS

**Bachelor of Social Work**

The School of Social Work offers a program of studies leading to the degree of Bachelor of Social Work (BSW) that is fully accredited by the Canadian Association of Schools of Social Work. Graduates are employed in a wide range of government and voluntary organizations such as family and children's services, hospitals,
women's services, corrections and Indigenous social services.

The range of approaches available to obtain a University of Victoria BSW degree includes campus-based courses, online/distance learning and decentralized face-to-face education. Online/distance courses are available only to students residing in Canada. 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 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 in Web-mediated courses 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.

BSW Specializations

Students may elect to choose one of the Specializations offered in the Social Work program. All students receive BSW degrees, and, for those students who complete a Specialization, the Specialization will be noted on the student's transcript only.

Indigenous Social Work Specialization

This specialization is a concentration within the BSW program and provides opportunities for Indigenous BSW students to focus their undergraduate program on preparing for leadership roles as helpers and healers in Indigenous communities and various Indigenous organizations. Students will co-create learning environments with other Indigenous students and faculty in the School.

The intent of this Specialization is to provide Indigenous students an opportunity to develop helping and healing practice frameworks that centralize Indigenous knowledges, peoples, nations and communities. All courses are offered on campus and by distance education.

Admission to the Specialization is limited to Indigenous students of North America.

Child Welfare Specialization

This specialization is intended to prepare students for child welfare work, with an emphasis on protection work in government and other mandated child welfare settings. A non-child protection option is available for students who do not intend to practise in mandated settings after graduation.

Indigenous (Child Welfare) Specialization

The intent of this Specialization is similar to the Indigenous Specialization with an emphasis on the well-being of Indigenous children, families and communities.

Admission to the Specialization is limited to Indigenous students of North America.

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-governance. These programs will establish their own distinct mission statements.

The School works to ensure that its various approaches to education are equal in quality and that one admission process and set of standards applies to the BSW program.

School Admission Requirements

Application packages are available on the School of Social Work website at the beginning of October each year. The deadline for return of all application materials is December 1 for both the May and September entry points.

In addition to choosing either the May or September entry points, applicants must also select how they would like to complete their studies: on-campus or by distance education. Those students applying to distance education must attend a mandatory 70 hour face-to-face component as part of SOCW 323.

Admission to the BSW program requires:

1. Completion of a minimum of the first two years (30 units) of an undergraduate program at UVic, with an overall average of at least 3.5 (on the UVic 9.0 point scale) or better, or the equivalent at another university or community college on the last 12 units of university-transfer course work.

2. Within the required 30 units, completion of SOCW 200A and 200B or their equivalents.

Students are also required to meet UVic’s English Requirement for Undergraduates (see page 29).

The number of applicants admitted will depend on the resources available to the School and the number of qualified applicants. An initial screening for admission will be based on sufficient number of units and grade point average as stated above. Provided applicants meet these criteria, they will be evaluated for admission to the School of Social Work based on grade point average, experience summary, and personal statement.

Transfer Credit for Social Service Certificate or Diploma Students

Students who have completed a social services certificate or diploma program at a college may be eligible to receive discretionary credit from the School. This is normally 3 units for a completed certificate, 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 119 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, of which a maximum of 6.0 units can be senior Social Work and HSD courses.

BSW degree students should have a minimum of 24 units of liberal arts/social sciences/humanities courses to fulfill program requirements.

Practicum Requirement

Students should be aware that two practicum courses are required in order to complete the course of study for a BSW.

Students in the Child Welfare Specialization should note they must contact the School of Social Work at least one term in advance of registration for their practicum placement (SOCW 404) in order to meet Ministry guidelines. Exceptions may be granted with permission from the Director.

Course Requirements: First and Second Years

SOCW 200A and 200B are required for entry into the BSW program. It is recommended that potential BSW applicants complete SOCW 200A and 200B prior to applying to the program; however, SOCW 200A and 200B are not required to
be completed or in progress at the time of BSW application.

In addition to SOCW 200A and 200B, students are advised to take a variety of courses in the liberal arts, social sciences and humanities.

**Course Requirements: Third and Fourth Years**

A minimum of 27 units must be third- or fourth-year Social Work courses (includes HSD courses, except HSD 425).

Non-Social Work electives may include any UVic courses at any year level, including English, if required.

Prerequisites for all Social Work courses: 30 units including SOCW 200A and 200B. See the course descriptions for pre- or corequisites of Social Work courses.

**Third and Fourth Years — Standard BSW**

**Third Year**

SOCW 323 (formerly SOCW 300)...........................4.5
SOCW 318..........................................................3.0
SOCW 304 or 304A...........................................3.0
SOCW 350A..........................................................1.5
SOCW 354..........................................................1.5
Elective1..............................................................1.5
Total units: ................................................................15.0

**Fourth Year**

SOCW 402.....................................................................4.5
SOCW 451..............................................................1.5
SOCW 491..............................................................1.5
SOCW 492..............................................................1.5
Electives2.................................................................3.0
Total units: ................................................................13.5
Total units for third and fourth years:.............30.0
Total units for the program: .........................60.0

1. General elective (if required).
2. Third or fourth-year Social Work or HSD electives.

**Third and Fourth Years: Child Welfare Specialization**

The fourth-year practicum will take place in an approved child welfare setting (BC Ministry of Children and Family Development, Indigenous child welfare agency, an approved government agency in another province). 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).

**Third Year**

SOCW 323 (formerly SOCW 300).........................4.5
SOCW 318..........................................................3.0
SOCW 304 or 304A...........................................3.0
SOCW 350A..........................................................1.5
SOCW 354..........................................................1.5
Total units: ................................................................13.5
Total units for third and fourth years:.............30.0
Total units for the program: .........................60.0

1. General elective (if required).
2. Third or fourth-year Social Work or HSD elective.

**Fourth Year**

SOCW 350B..........................................................1.5
SOCW 404 or 404A...........................................4.5
SOCW 451..........................................................1.5
SOCW 491..........................................................1.5
SOCW 492..........................................................1.5
Elective1..............................................................1.5
Elective2..............................................................1.5
Total units: ................................................................15.0

**Fourth Year**

SOCW 404 or 404A...........................................4.5
SOCW 451..........................................................1.5
SOCW 475..........................................................1.5
SOCW 476..........................................................1.5
SOCW 471 or HSD 462 (formerly SOCW 479)...1.5
HSD 464............................................................1.5
Electives1.................................................................3.0
Total units: ................................................................15.0
Total units for third and fourth years:.............30.0
Total units for the program: .........................60.0

1. General electives (if required).

**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).

**Third Year**

SOCW 323 (formerly SOCW 300).........................4.5
SOCW 318..........................................................3.0
SOCW 304 or 304A...........................................3.0
SOCW 350A..........................................................1.5
SOCW 354..........................................................1.5
SOCW 391..........................................................3.0
Total units: ................................................................30.0

1. General elective (if required).
2. Third or fourth-year Social Work or HSD elective.
Faculty of Humanities

The Faculty of Humanities comprises the Departments of English, French, Germanic and Slavic Studies, Greek and Roman Studies, Hispanic and Italian Studies, History, Linguistics, Medieval Studies, Pacific and Asian Studies, Philosophy and Women’s Studies. The many disciplines in the Humanities foster knowledge of history, philosophy, language, literature, culture, society and the arts, often in international contexts. By developing students' skills in critical enquiry, research and communication, programs in the Humanities provide excellent preparation for many careers as well as advanced academic study.

Faculty Administrative Officers:
Andrew Rippin, BA (Toronto), MA, PhD (McGill), FRSC, Dean of Humanities
Claire Carlin, AB (San Diego State), MA, PhD (U of Calif, Santa Barbara), Associate Dean
Timothy S. Haskett, BA, MA, PhD (Tor), Director of Academic Advising
Amelia Santos, 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
Patricia Perkins, BSc (UVic), Advising Officer
General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Humanities offers programs of varying levels of specialization leading to the degree of Bachelor of Arts (BA).

The Faculty also offers programs leading to the degree of Bachelor of Science (BSc) through the Department of Linguistics.

- The Honours Program involves a high level of specialization in one discipline, and requires from 18 to 24 units of credit in that discipline at the 300 or 400 level.
- The Major Program requires 15 units at the 300 or 400 level.
- The General Program requires 9 units of 300 or 400 level credits in each of two disciplines.

The Faculty also offers Double Honours, the Joint Honours and Major program, and the Double Major program.

A student may also combine a program offered in the Faculty of Humanities with a program offered in another faculty. See Interfaculty Program, page 140.

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 courses and programs in that department for information on the use or substitution of elective credit.

Courses in Other Institutions

A student who has been admitted to the Faculty may not take courses at another institution for credit towards a degree program offered in the Faculty without the prior written approval, in the form of a Letter of Permission, of the Director of Academic Advising. To be eligible for a Letter of Permission, a student must have completed or be registered in no fewer than 6.0 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit for courses to be taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 32).

Students are responsible for ensuring that the transcripts for all course work undertaken at other institutions are sent to Undergraduate Records at UVic.

Candidates for a bachelor’s degree must normally complete at UVic a minimum of 30 units at the 100 level or above, including at least 18 of the minimum 21 upper-level units required for

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<tr>
<th>Faculty of Humanities Programs</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.

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.
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 tem-
Each candidate for a bachelor's degree is also required:
1. to complete an Interfaculty Double Honours Program in the Faculty of Humanities.
2. to meet the requirements common to all bachelor's degrees in the Faculty of Humanities, listed above.
3. to have completed the Undergraduate English Requirement, page 29
4. to elect to complete an Honours Program in a major area of study with a second Honours Program in another area of study.
5. to meet the requirements for an Honours Program in each of the two departments in the Faculty of Humanities.
6. to be considered for admission to an Honours Program.

Honours Program
The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program
Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program
A student in an Honours Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Humanities, listed above. Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs
Applied Linguistics
English
French
Germanic Studies

Greek and Latin Language and Literature
Greek and Roman Studies
Hispanic Studies
History
Latin American Studies (Language and Literature or multi-disciplinary)
Linguistics (BA and BSc)
Mathematics
Medieval Studies
Pacific Studies
Philosophy
Statistics
Women's Studies

Combined Honours Programs
Combined English Honours and Medieval Studies Minor

Double Honours Program
The student elects to complete an Honours Program in the Faculty of Humanities and a second Honours Program in another area of study, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Curriculum Advising and Program Planning (CAPP) form. If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

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 area of study, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Curriculum Advising and Program Planning (CAPP) form. If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program
A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Humanities. The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form.

The degree received will be a BA, unless the Honours Program followed leads to a BSc in Linguistics, in which case the degree will be a BSc.

Interfaculty Joint Honours and Major Program
A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Major Program
The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program generally is also a good preparation for a professional or business career.

Requirements of the Major Program
A student in a Major Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Humanities, listed above. Each department has its own requirements for its Major Programs, which include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at UVic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs
Applied Linguistics
English
French
Germanic Studies
Greek and Latin Language and Literature
Greek and Roman Studies
Hispanic Studies
History
Italian Studies
Latin American Studies
Linguistics (BA and BSc)
Mathematics
Medieval Studies
Pacific Studies
Philosophy
Russian
Statistics
Women's Studies

Combined Major Programs
Combined Major in English and French (Canadian Literature)

Double Major Program
A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Humanities. The degree received will be a BA, unless one of the two programs followed leads to a BSc in Linguistics, in which case the student will have the option of receiving a BA or a BSc degree, depending on which of the two programs is listed first.

Combined Major with a Major Program
A student can complete one of the Combined Major Programs listed above with another Major Program (in this faculty or in another faculty), but the discipline of the Major Program must
not be either of the disciplines of the Combined Major Program.

Interfaculty Program
A student may elect to complete an Interfaculty Double Major or a Joint Honours and Major Program. In a Double Major Program, if one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

In a Joint Honours and Major Program, the Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

BA or BSc Major in Environmental Studies
A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.

BA in Mathematics or Statistics
Students who wish to obtain a BA in Mathematics or Statistics should consult with the faculty or the Faculty of Humanities or the Faculty of Social Sciences, and complete the requirements common to all bachelor's degrees in that faculty.

General Program
The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.

Requirements of the General Program
A student in a General Program must satisfy the requirements common to all bachelor's degrees in the designated faculty determined by the first subject area listed on the Curriculum Advising and Program Planning (CAPP) form.

The General Program requires:
• Completion of 9 units of course work at the 300 and 400 level in each of the two disciplines, as specified in the General Program requirements of the departments concerned
• At least 6 of the 9 units in each discipline must be completed at UVic

A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in another faculty. The degree awarded will be a BA.

Chinese Studies
English
French

Gerpanic 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 (see page 220)
Film Studies (see page 220)
Indigenous Studies (see page 221)
Music (see page 110)
Professional Writing in Journalism and Publishing (see page 116)

Minor Program
A Minor is an optional program that allows students to study in an area outside their Honours, Major or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned.

Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.

• No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.

If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level department requirements for a student’s Honours or Major Program. Corequisite courses in other programs may be counted toward the Minor.

If the Minor requires less than 9 units of 300- and 400-level course work, no courses at the 300 or 400 level can form part of the requirements for a student's Honours, Major or General Program or Option. Required or corequisite courses at the 200 level or higher in other programs or options may not be counted toward the Minor.

Only one Minor can be declared on a student’s program.

In addition to department Minors, the following Minors are offered:

Interdisciplinary Minors
Applied Ethics (see page 222)
European Studies (see page 221)
Religious Studies (see page 221)
Indigenous Studies (see page 221)

Student-Designed Minor
Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:
• include courses from at least two departments, with a minimum of 3 units from each department
• consist of courses taken only at UVic
• have structure, coherence and theme; it cannot consist of unrelated courses
• be approved by the Chair/Adviser of the departments concerned
• be approved by the Director of Academic Advising of Humanities, Science and Social Sciences
• be declared by the end of the student's third year

Students must discuss their proposed Student-Designed Minor with Department Chairs/Advisers before submitting their request to the Director of Academic Advising. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

Humanities, Fine Arts and Professional Writing Co-operative Education Program

Don Bailey, BA (UNB), MEd (UBC), Coordinator

The Humanities, Fine Arts and Professional Writing Co-operative Education Program is a year-round program which, through work terms of employment in a variety of organizations, enables students to combine work experience with an education in the Fine Arts and/or Humanities.

Applications and further information about the Humanities, Fine Arts and Professional Writing Co-operative Education Program are available from the Co-op Coordinator, Room 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.

**Department of English**

Kim Blank, BA (S Fraser), MA (Wales), PhD (Southampton), Professor
Evelyn M. Copley, BA (BYU), MA, PhD (Brut 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.
Ray Siemens, BA (Waterloo), MA (Alta), PhD (UBC), CRC Humanities Computing and Professor
Lisa A. Surridge, BA (Queen's), MA, PhD (Tor), Professor
John J. Tucker, BA, MA (Tor), BLitt (Oxon), PhD (Tor), Professor
Luke Carson, BA (McG), MA, PhD (Calif-LA), Associate Professor
Alison Chapman, M.A. (Oxford), PhD (Glasgow), Associate Professor
James A. Dopp, BA (W Laurier), MA (UVic), PhD (Yrk), 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
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
Shelia M. Rabillard, BA (Queen's), BEd (W Ont), MA (Queen's), PhD (Prin), Associate Professor

Stephen Ross, BA (SFU), MA, PhD (Queen's), Associate Professor
Diane Tolomeo, BA (Roch), MA, PhD (Prin), Associate Professor
Nicholas Bradly, BA (UBC), PhD (Toronto), Assistant Professor
Christopher D. Douglas, BA (UBC), MA, PhD (Toronto), Assistant Professor
Janelle A. Jenstad, BA (UVic), MA, PhD (Queen's), Assistant Professor
Magdalena Kay, BA (Harvard), PhD (Calif-Berkley), 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 (Dulhousie), Assistant Professor
Lincoln Shensky, BA, (Brown), MA, PhD (Calif-Berkley), 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
Richard van Oort, BA, MA (UVic), MA (Western), PhD (Calif-Irvine), Assistant Professor
Adrienne Williams Boyarin, BA, MA, PhD (Calif-Berkeley), Assistant Professor
Gerald V. Baillargeon, BA, MA (Windsor), PhD (Brut Col), Senior Instructor
Lisa Chalykoff, BSc, BA (Queen's), MA, PhD (UBC), 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, 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 Burgess, BA (Brit Col), MA (UVic), Sessional Lecturer
Heidi T. Darroch, BA, MA, PhD (Toronto), Sessional Lecturer
Brian Day, BA, MA (UVic), PhD (Queen's), Sessional Lecturer
Janis Dawson, BA, BEd, MA, PhD (Alberta), MA (UVic), Sessional Lecturer
Celeste Derksen, BA (Simon Fraser), MA, PhD (UVic), Sessional Lecturer
Rebecca Gagan, BA, MA (McMaster), Sessional Lecturer
Joseph Gibson, BA (Guelph), MA, PhD (McMaster)
James Gifford, BA (SFU), MA (Cal State-Dominguez Hills), PhD (Alta), Limited Term Assistant Professor

Joseph Grossi, BA (Providence), MA, PhD (Ohio), Sessional Lecturer
Eric Henderson, BA, MA, PhD (UWO), Sessional Lecturer
Harold Hoeffle, BA (Carleton), DipEd (McG) MA (Concordia), Sessional Lecturer
Stephen Hume, BA (Trinity, Conn), MA (Toronto), Sessional Lecturer
Matthew Kay, BA (William and Mary), MA, PhD (Harvard), Sessional Lecturer
Treva Kellington, BA (UVic), MA (Queen's), Sessional Lecturer
Sandra Kirkham, BA, MA, PhD (UVic), Sessional Lecturer
Hilary Knight, BA, MA (UVic), Sessional Lecturer
Susan Last, BA, MA (Regina), Sessional Lecturer
Bernard LaVie, BA, MA, DESS (UPPA-France), Sessional Lecturer
Yisrael Levin, BA, MA (Tel Aviv), Sessional Lecturer
Paul MacRae, BA, (Toronto), MA (UVic), Sessional Lecturer
Matthew Manera, BMus (UVic), BA (Western), MMus (U of C), MA (Carleton), PhD (Sherbrooke), Sessional Lecturer
William Markham, BA (Stirling), MA (McMaster), Sessional Lecturer
Andrew Murray, BA (Regina), MA (UVic), Sessional Lecturer
Peter Perkins, BA, MA (UVic), Sessional Lecturer
Harbhinder Sanghara, BA (UVic), MA (Brit Col), PhD (UVic), Sessional Lecturer
Jane Sellwood, BA, MA (Carleton), PhD (UVic), Sessional Lecturer
Monica Smith, BA (London), MA (UVic), Sessional Lecturer
Madeline Walker, BA (Toronto), MA (UVic), PhD, Sessional Lecturer
Susan Wilson, BA (Toronto), MA (UVic), Sessional Lecturer
Samuel G. Wong, BA (Col), PhD (Princ), Sessional Lecturer

**English Programs**

The Department of English offers Honours, Major and General programs leading to the degree of Bachelor of Arts. The Department also offers a Combined Major in English and French (Canadian Literature) and a Minor in Professional Writing. Additional detailed information on programs and courses is published annually in the Department's Programs and Upper-level Course Guide, available from the Department, and at the Department's website.

**Co-operative Education Programs**

Please, see page 141.

**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 125, 135 or 145. Those with an LPI score of 6 are exempted from an English course unless their degree program requires one.

Students who, on the basis of their LPI score, are required to take ENGL 099 must register in 099 in their first term and in ENGL 115 in their second term, and may not take any other English course until the satisfactory completion of 099. Students who fail 099 in the first term must repeat the course in the second term; any who fail a second time must take and pass the course during the following Winter Session or they will normally be denied permission to return to the University until they have demonstrated the required level of competence in English.

Students who are required to register in ENGL 099 (or LING 099), on the basis of their LPI results, may not change their original placement once they have registered in the Winter Session. Further placement test results will only be processed if the test is undertaken, and results received, following the end of Winter Session and before registration in a further Winter Session. For further information, see Undergraduate English Requirement, page 29.

At least 3 units of credit in English are prerequisites to courses at the 200 level and higher.

Advanced Placement

Students taking Advanced Placement examinations should speak to the Director of Literature Programs about placement in 200-level courses by the beginning of the registration period for the Winter Session.

Course Challenge

The English Department does not permit students to gain credit by course challenge; students may, however, apply to the appropriate Director (Literature or Honours) for a waiver of prerequisites in special cases.

Requests for Special Admission

Requests for special admission to courses must be in writing to the appropriate Director (Writing, Literature, Honours). Please allow a minimum of five working days for processing.

Program Requirements

Students considering a degree program in English are invited to see the Department secretaries, who will arrange consultation with Departmental advisers about their choice of courses.


Course Prerequisites

The prerequisite for all English courses numbered 200 and above is 3 units of English. This prerequisite is normally satisfied by two of: ENGL 115, 125, 135 and 145; or by 3 units of appropriate transfer credit in English. However, with permission of the Department, some students may take 200-level courses in their first year. Second-year students may take courses numbered 300 and above, but will be required to meet the normal standards of senior courses.

Course Exclusions

Courses in Professional Writing may not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.

Suggested Electives

The Department encourages its students to take elective courses that support their General, Major or Honours Program. In making their choice of electives, students may wish to give special consideration to relevant courses in:

- Anthropology (e.g., ANTH 200)
- Courses in the literature of other languages
- Greek and Roman Studies (e.g., GRS 100, 200)
- History (e.g., HIST 130, 220)
- History in Art (e.g., HA 120, 221)
- Linguistics
- Music (e.g., MUS 120A, 120B)
- Philosophy (e.g., PHIL 100, 238)
- Political Science
- Psychology
- Sociology
- Theatre (e.g., THEA 100)
- Writing

Direct Reading Courses

ENGL 490 and 491 (Direct 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 number of variable content courses, with topics advertised annually (ENGL 353, 360, 362, 372, 385, 388, 391, 392, 393, 394, 395, 400, 404, 406, 413, 415, 425, 426, 438, 439B, 448, 449, 462, 463, 470, 471, 473). Where content differs, such courses may be taken more than once for credit, to a maximum of 3 units.

Preparation for Graduate School

Major and Honours students planning graduate study are reminded that graduate schools generally require competence in at least one language other than English, and some schools require credits in Old English and/or History of the Language.

Honours Program

The Honours Program allows students of proven ability to study English language and literature more intensively than is possible in the Major or General Programs. While enjoying a comprehensive course structure, Honours students also participate in special seminars and receive the guidance of individual faculty members in connection with ENGL 490 and 499. Students who take a special interest in English language or literature, or who are contemplating graduate work in English, are strongly advised to 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 155 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 316; 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 a student's advantage to begin work on the second language requirement by the beginning of the second year.

Third and Fourth Years

For admission to Third Year, Honours students are required to maintain an average of at least B+ in their English courses. The approval of the Department is also required. Honours students must present at least 24 units of English courses numbered 300 and above, to be distributed according to the following course structure:

- ENGL 310 (Practical Criticism, 3.0 units) (if not already completed)
- ENGL 467 and 468 (Honours courses, 1.5 units each)
- ENGL 499 (Fourth-year Honours course, 1.5 units)
- ENGL 344A (The Canterbury Tales, 1.5 units)
- 1.5 or 3 units from ENGL 360, 366B and C, 366D and E
- at least 1.5 additional units from the period before 1660: ENGL 337, 338, 339, 340, 341, 342,
Students planning a Major in English are strongly advised to take at least two of ENGL 200A, B and C; these courses are not open to students with credit in ENGL 150, 151 or 200.

Third and Fourth Years

Majors are required to take a total of 15 units of English (excluding Professional Writing courses) at the senior level:

1. 7.5 units chosen from the following Course Structure:
   - At least 1.5 units from 20th Century Canadian, American, British or Postcolonial literature: ENGL 388, 413, 429A, 429B, 429C, 431, 432A, 432B, 433, 434, 435, 436A, 436B, 437A, 437B, 438, 439A, 439B, 475, 477, 478 (Students with 201 or 203 may apply for a waiver of this requirement.)
   - Electives to make up 24 units of senior English courses.

At the end of the fourth year, there will be an interview at which students will defend their major 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.

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, 145
- Two of ENGL 200A, 200B, 200C, 201, 202, 203
- French Departmental Language Requirement, see “Program Requirements” page 145
- French Departmental Literature Requirement, page 145; may be completed during third year
- 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 ENGL 150 or 151. Such students may take ENGL 200C, 201, 202, 203 or, with the permission of the Department, substitute 3 units of upper-level English courses.

Third and Fourth Years

Any two of FREN 302A, 302B and 302C*, or 302B, 302C* ..................................................3.0

3 units of FREN courses numbered 350 to 477 .................................................................3.0

Courses selected as specified under English Major Course Structure above ..........................7.5

ENGL 458 (FREN 487) .................................................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, 455, 456, 457, 459, 476; FREN 389B, 480, 482, 484, 485, 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, 302B or 302C.

General and Minor Programs

Students wishing to take English as one of the fields of concentration in their General program or as a Minor must take:
- 3 units of English in the first year
- at least 3 units of 200-level literature courses in the second year
- 9 units of English courses numbered 300 and above in the third and fourth years

Minor in Professional Writing

The Department of English offers a Minor in Professional Writing. The goal of the program is to provide students from all disciplines with the high level of skills required to succeed as professional writers and Web professionals in the high-technology sectors of science, business, industry, government and the professions. The emphasis in the program is on using new media to solve problems of professional communication. Graduates of the program will be able to produce documents in both printed and Web-based form, using the latest and most appropriate new media technologies. The program is open only to students who concurrently pursue a Major or Honours degree.

More information about the Professional Writing Minor is available at <web.uvic.ca/pwengl>.

Application to the Program

Admission to the program will normally be after the student's second year of study; students who plan to apply should take the appropriate prerequisites. Students applying for the Minor must have:
- an average grade of B+ or better in the prerequisite writing courses (see below) and a B+ average overall, or
- permission of the Director of Professional Writing

Prerequisite Courses

Before declaring the Professional Writing Minor, students must take 3 units from the following courses, with a grade of B+ or better in both: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ECON 225; ENGR 240.

Program Requirements

Students must complete ENGL 303: Copy Editing for Professional Writers (1.5 units) and an additional 7.5 units of courses from those listed below for a Minor in Professional Writing.

ENGL 301 Report Writing
ENGL 302 Writing for Government
ENGL 304 Writing Popular Science
ENGL 305 Visual Rhetoric for Professional Writers
ENGL 401 Web Design
ENGL 406 Special Topics in Professional Writing
ENGL 407 Computer-mediated Communication
ENGL 408 Electronic Documentation
ENGL 412 Research for Professional Writers
ENGL 416 Electronic Expression
ENGL 492 Directed Reading: Advanced Topics in Professional Writing
Humanities, Fine Arts and Professional Writing Co-operative Education Program

Students accepted into the Professional Writing Minor Program may apply to enter the Humanities, Fine Arts and Professional Writing Co-op Program.

The Humanities, Fine Arts and Professional Writing Co-op Program offers paid employment to students who are working towards careers as professional writers in high-technology sectors. The Co-op is open to students admitted to the Minor in Professional Writing.

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 45. For information on the Humanities, Fine Arts and Professional Writing Co-op, please see the Faculty of Humanities entry, on page 141.

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 Lapprand, BA, MA (Besançon), PhD (Tor), Professor

Danielle Thaler, BA (Montr), MA, PhD, (Tor), Professor

Claire Carlin, BA (San Diego St), MA, PhD (Calif-Santa Barb), Associate Professor

Hélène Cazes, ENS (Paris), MA-DEA (Paris, Sorb), PhD (Paris X), Post-Doc (Mont), Associate Professor

John C.E. Greene, BA, MA (Alta), D de l’Univ (Gren), Associate Professor

Sada Niang, MA (Tor), PhD (York), Associate Professor and Graduate Adviser

Marie Vautier, BA (Ott), MA (Laval), PhD (Tor), Associate Professor

Catherine Caws, BA, MA (Nantes), PhD (BritCol), Assistant Professor

Emile Fromet de Rosnay, BA (York), MA, PhD (Queen’s), Assistant Professor

Emmanuel Hérique, MA, D de l’Èle cycle (Nancy), Assistant Professor

Sylvie Mangeon, MA (UQAM), Lecturer

French Programs

The Department of French offers Honours, Major and General programs leading to the degree of Bachelor of Arts. The Department also offers a Combined Major in English and French (Canadian Literature).

Students interested in pursuing a program in French should consult with a Departmental adviser as early as possible (see the Department’s website).

Students planning to take senior language courses are strongly advised to take FREN 220 in their second year.

Co-operative Education Programs

Please, see page 141.

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, 193, 300 or 350. They should consult the Department about placement.

Limitation on First-Year Credit (Including Transfer Credit)

The Department places the following limitations on first-year credit:

- 12 units for students with no knowledge of French
- 10.5 units for students with less than French 12
- 7.5 units for students with French 12
- 4.5 units for students with Français 12

Transfer Credit

Students are encouraged to study at Francophone universities; the Department recognizes a broad variety of courses in language, literature, cultural studies and French linguistics for transfer credit. The Faculty regulation for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic may be lowered to 9 units for students who complete at least 12 units at a Francophone university, or to 10.5 units for students who complete at least 7.5 units at a Francophone university, and who in each case have completed 3 units of 200-level courses at UVic.

Students must obtain a Letter of Permission (see page 29) before undertaking studies at a Francophone university or elsewhere. To ensure that the correct transfer credit is granted for courses taken elsewhere, students also MUST consult with the Department’s transfer credit adviser (see the Department’s website) BEFORE applying for a Letter of Permission.

Program Requirements

Access to FREN 302A-C and higher courses is also prerequisite for FREN 390 and all fourth-year literature courses:

- 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

3 units of other languages, including LATI 101 (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 302 or two of 302A, 302B, 302C*

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 440, 444, 446A, 448
- FREN 446B, 450A, 450B, 451, 452, 455B
- FREN 480, 482, 484, 485

*Students with a DEC from a Francophone CEGEP, a baccalauréat from France, or equivalent may substitute 3 units of courses numbered 390 and above for FREN 302A, 302B and 302C.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 302 or two of 302A, 302B, 302C*</td>
<td>3.0</td>
</tr>
<tr>
<td>FREN 302 or two of 402, 426 or 426A</td>
<td>1.5 or 3.0</td>
</tr>
<tr>
<td>1.5 units from the following: FREN 440, 441, 442, 444, 446A, 446B, 448, 450A, 450B, 451, 452, 455B</td>
<td>1.5</td>
</tr>
<tr>
<td>1.5 units from the following: FREN 446D, 446E, 460A, 460B, 462A, 462B, 462C, 466, 470, 477A, 477B, 490, 482, 484, 485, 487, 488A, 488D, 488F, 488H</td>
<td>1.5</td>
</tr>
</tbody>
</table>

*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, 302B or 302C.

General and Minor Programs

First and Second Years

See Program Requirements above

Third and Fourth Years

FREN 302 or two of 302A, 302B, 302C* 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, 302B or 302C.

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 or 203, or with permission of the Department, substitute 3 units of upper-level English courses.

Third and Fourth Years

FREN 302 or two of 302A, 302B, 302C* 3 units of FREN courses numbered 350 to 477

Courses selected as specified under English Major Course Structure (see page 144) 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, 455, 456, 457, 459, 476, FREN 389B, 480, 482, 484, 485, 488H 10.5 Electives

*Students with a DEC from a Francophone CEGEP, a baccalauréat from France, or equivalent may substitute 3 units of courses numbered 390 and above for FREN 302A, 302B or 302C.

Department of Germanic and Slavic Studies

Serhy Yekelchyk, BA (Kiev U), MA (Ukrainian Academy of Sciences), PhD (Alberta), Associate Professor, Chair of the Department

Peter Götz, BA (Mannheim), MA (Wat), PhD (Queen’s), Associate Professor (on leave Fall 2008)

Helga Thorson, BA (Earlham College), MA (U of Minnesota), PhD (U of Minnesota), Associate Professor

Elena Pnevmonidou, BA (McG), MA (Queen’s), PhD (McG), Assistant Professor (on leave)

Charlotte Schullié, BC (Brit Col), MA (Brit Col), PhD (Brit Col), Assistant Professor

Ulfi Schuetze, Staatsexamen I und II (Kiel); PhD (Brit Col), Assistant Professor

Megan Swift, BA (McG), MA (U of Toronto), PhD (U of Toronto), Assistant Professor, (on leave Fall 2008)

Matthew Pollard, BA (Queen’s), MA (Queen’s), PhD (McG), Senior Instructor

Emeriti

Angelika F. Arend, Staatsexamen (Kö), MA (Car), DPhil (Oxon), Professor Emeritus

Michael Hadley PhD (Queen’s), Professor Emeritus

Nicholas V. Galichenko, BA, MA (Brit Col), PhD (McG), Professor Emeritus

Peter G. Liddell, MA (Edin), PhD (Brit Col), Professor, Emeritus

Rodney T. K. Symington, PhD (McG), Professor Emeritus

Germanic Studies Programs

The Department of Germanic and Slavic Studies offers a full complement of courses leading to a Bachelor of Arts degree in Germanic Studies in the General, Major or Minor Programs.

Undergraduate work is done at two successive levels: introductory at the 100/200 level, and advanced at the 300/400 level. Students may not 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.

Transfer Credit

Students are encouraged to take courses at universities in German-speaking countries; the Department recognizes a broad variety of courses in German language, literature and cultural studies for transfer credit. The Faculty regulation for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic may be lowered to 9 units for students who complete at least 12 units of German courses at a university in a German-speaking country, or to 10.5 units for students who complete at least 7.5 units of German courses at a university in a German-speaking country, and who in either case have completed 3 units of 200-level courses at UVic.

Students must obtain a Letter of Permission (see page 29) before undertaking studies at universities in German-speaking countries. To ensure that the transfer credit is granted for courses taken elsewhere, students MUST consult with the Department’s Transfer Credit Adviser (see Departmental website) BEFORE applying for a Letter of Permission.

Co-operative Education Programs

Please, see page 141.

Honours Program

The Honours Program provides qualified students of German the opportunity to study German Language, Literature and Culture more intensively than in other programs, develop advanced analytical competence and deepen their understanding. It also prepares students for graduate studies.

Admission to the Honours Program requires a GPA of at least 5.5 in at least 7.5 units of introductory courses (including at least one of GERS 254 and GERS 261 with a minimum B+) and the permission of the Department. Applications for admission are usually made at the end of the second year of studies; students interested in pursuing an Honours program in Germanic Studies should consult the Department at an early stage in their undergraduate studies.

The Honours Program requires a minimum of 21 units of upper-level courses, including GER 300 and GER 499. An Honours degree “With Distinction” requires a graduating GPA of at least 6.5 and at least a B+ in GER 499. An Honours degree requires a graduating GPA of 3.5 to 6.49 and at least a B- in 499.

Major Program

To be admitted into a Major Program, a student must have at least a C+ average in a minimum of 7.5 units of introductory courses (including at least one of GERS 254 and GERS 261 with a minimum C+).

The Major Program consists of 15 units of upper-level courses, including GER 300. Students interested in pursuing a Major in Germanic Studies are advised to consult the Department very early during their undergraduate studies, possibly in their first year of studies. Majors must have their third- and fourth-year programs approved by the Department.

General and Minor Programs

Students wishing to take Germanic Studies in one of these programs must take 7.5 units of...
Courses in German language

GERS 160  Major Figures of German Culture
GERS 254  Introduction to German Literature
GERS 261  Modern Germany
GERS 305*  Novelle and Short Story
GERS 306  German Drama
GERS 307  History of the Novel
GERS 308*  Poetry
GERS 354*  Introduction to Twentieth Century Literature (Pre-1945)
GERS 356  A Short History of German Film
GERS 370  Portraits of Women in German Literature from Medieval to Postmodern Times
GERS 411*  Medieval German Literature
GERS 417*  Storm and Stress to Classicism: Revolution and Tradition
GERS 420*  Faust
GERS 422  Romanticism
GERS 424*  Nineteenth Century: Realism
GERS 427  The Dark Side of the Enlightenment: Madness in Literature
GERS 433  “Overcoming the Past” in Film and Text
GERS 436*  Literature Since 1945
GERS 437  Major German Filmmakers
GERS 438A*  Special Topics
GERS 438B*  Special Topics
GERS 439  The New German Cinema
GERS 440  Kafka
GERS 441  Brecht
GERS 443  Christa Wolf
GERS 444*  Women Writers
GERS 481*  German Literature: The Last Two Decades
GERS 483  Recent German Film
GERS 485  Popular Culture
GERS 487  A Cultural History of Vampires in Literature and Film

Program Requirements

Students planning to take either a General or Major BA in Russian must have a satisfactory standing in courses at the 200 level. Students with advanced credit, or those competent in Russian, will be placed at an appropriate level. Students wishing to select Russian as a teaching area in the Faculty of Education's Secondary Curriculum should refer to page 72.

Courses in Slavic Studies

The Department of Germanic and Slavic Studies offers a full complement of courses in Russian Studies leading to the Bachelor of Arts degree in the General or Major Programs.

All students planning a program in the Department of Germanic and Slavic Studies should consult the Department Adviser concerning their selection of courses both within and outside the Department. Students specializing in particular programs will find that they have sufficient electives to enable them to concentrate (Double Major) in a second field. A wise selection of courses is therefore important, particularly to those students who may wish to enter graduate school, teaching, library work or government service.

Course Challenge

The department of Germanic and Slavic Studies does not permit students to gain credit by course challenge. Students with prior knowledge of Russian may, however, apply to the Chair of the Department for a waiver of lower-level program requirements.

Native Speakers

Native speakers of Russian may not obtain credit for first- or second-year language courses. A native speaker is defined in this context as a person who has spoken Russian since childhood and/or has received sufficient instruction in the language to be literate in it. The Department will assign students with previous knowledge to the appropriate level.

Transfer Credit

Students are encouraged to take courses in Russian at universities in the former Soviet Union; the Department recognizes a broad variety of courses in Russian language, literature, and cultural studies for transfer credit. The Faculty regulation for the Major Program, that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic, may be lowered to 9 units for students who complete at least 12 units of Russian courses at a university in the former Soviet Union, or to 10.5 units for students who complete at least 7.5 units of Russian courses at a university in the former Soviet Union, and who in each case have completed 3 units of 200-level courses at UVic.

Students must obtain a Letter of Permission (see page 29) before undertaking Russian studies at universities in the former Soviet Union. To ensure that the correct transfer credit is granted for courses taken elsewhere, students MUST consult with the Department's Transfer Credit Adviser (see Departmental website) BEFORE applying for a Letter of Permission.

Program Requirements

Students planning to take either a General or Major BA in Russian must have a satisfactory standing in courses at the 200 level. Students with advanced credit, or those competent in Russian, will be placed at an appropriate level. Students wishing to select Russian as a teaching area in the Faculty of Education's Secondary Curriculum should refer to page 72.

Programs in Russian

Major

To be admitted to a Major Program, a student must have at least a C+ average in a minimum of 7.5 units of introductory courses. In the third and fourth years, the Major program consists of a minimum of 15 units at the 300 and 400 levels and must include one of RUSS 300A, 300B, 303, and in addition must include one of RUSS 308A, 308B. Students interested in pursuing a major in Russian Studies are advised to consult the Department very early during their undergraduate studies, possibly in their first year of studies. Majors must have their third- and fourth-year programs approved by the Department.

General and Minor Programs

Students wishing to take Russian Studies in one of these programs must take 7.5 units of introductory courses and 9 units at the 300 or 400 level, including at least one of RUSS 300A, 300B, 303.

Course Index

RUSS 100A  Beginner's Russian I
RUSS 100B  Beginner's Russian II
RUSS 161  The Culture of the Russian Revolution (in English)
RUSS 200A  Intermediate Russian I
RUSS 200B  Intermediate Russian II
RUSS 203  Oral and Written Practice
RUSS 261  Stalinism: Society and Culture (in English)
RUSS 300A  Advanced Russian I
RUSS 300B  Advanced Russian II
RUSS 301A  Russian Cultural History I (in English)
RUSS 301B  Russian Cultural History II (in English)
RUSS 303  Advanced Russian Conversation and Practice I
RUSS 304A  Cinema in the Soviet and Post-Soviet Periods: I (in English)
RUSS 304B  Cinema in the Soviet and Post-Soviet Periods: II (in English)
RUSS 308A  Russian Literature in Translation I (in English)
RUSS 308B  Russian Literature in Translation II (in English)
RUSS 310  Tolstoy (in English)
RUSS 311  Dostoevsky (in English)
RUSS 312  Chekhov (in English)
RUSS 315  Sculpting in Time: The Cinematic Art of Andrei Tarkovsky (in English)
RUSS 331  Nations and Cultures of the Former Soviet Union (in English)
RUSS 360  Russian Comedy on Stage and Screen (in English)
RUSS 400A  Advanced Grammar and Stylistics I
RUSS 400B  Advanced Grammar and Stylistics II
RUSS 403  Advanced Russian Conversation and Practice II
RUSS 434 
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 141.

**Program and Course 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**

- 3 units of Departmental offerings normally at the 100 or 200 level
- 9 units of Departmental offerings at the 300 or 400 level
Total: 12 units

**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 499
Total: 30 units

**Honours in Greek and Latin Language and Literature**

- 21 units of Greek and/or Latin
- 9 units of Departmental offerings, including GRS 499
Total: 30 units

Of these 30 units, at least 21 units must be at the 300 or 400 level.

Students applying to enter the Honours Program should have a GPA of at least 6.0 in Departmental courses, and should normally have completed at least 6 units of Departmental offerings. Students accepted into the Honours Program whose GPA in Departmental courses falls below 6.0 may be required to transfer to the Major Program.

**Department of Hispanic and Italian Studies**

Pablo Restrepo-Gautier, BA, MA, PhD (Brit Col), Associate Professor and Chair of the Department

Gregory Peter Andrichuk, 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

Elena Rossi, BA (Vassar), MA, PhD (Tor), Associate Professor

Dan Russek, BA, MA (UNAM), PhD (Chicago), Assistant Professor

Maria Bettaggi, BA (Genova), MA (Ohio), PhD, ABD, (New York-Buffalo), Lecturer

Silvia Colás Cardona, BA (Autònoma de Barcelona), MA (Calg), Senior Instructor

Daniela Lorenzi, BA (UVic), MA (UVic), Senior Instructor

Rosa L. Stewart, BA (Ohio Wesleyan), MA (Mich), Senior Instructor

Christine Forster, BA, MA (UBC), Sessional Lecturer

Gabriela McBea, BA, MA (UVic), Sessional Lecturer

Alicia Ulysses, BA, MA (UVic), Sessional Lecturer

**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 as a person who has spoken Spanish, Italian, or Portuguese since childhood and/or has received sufficient instruction in the language to be literate in it. The Department will assign students with previous knowledge to the appropriate level.
Co-operative Education Programs
Please, see page 141.

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). Students pursuing a Minor in Hispanic Studies are advised to consult with the Department Chair. Admission to the Honours Program normally requires a minimum GPA of 7.0 in upper-level Hispanic Studies courses.

Prerequisites
Students wishing to take 300- and 400-level courses in Spanish must achieve an average grade of B- or higher in SPAN 250A, 250B, and 260 or 265, with a minimum grade of C+ in each (these courses should be taken in second year). Students must also take SPAN 350A as a pre-or corequisite or have permission of the Department (this course should be taken in the third year). Students pursuing a Spanish Minor in Hispanic Studies must take at least two of these four courses. Students pursuing a Major or Honours Program in Hispanic Studies 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 or 265
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 which may include no more than 1.5 units of LAS 300

Honours Program
Students wishing to enrol in the Honours Program must first obtain the approval of the Department Chair. Admission to the Honours Program normally requires a minimum GPA of 7.0 in upper-level Hispanic Studies courses.

First Year
• SPAN 100A and 100B
Second Year
• SPAN 250A and 250B
• SPAN 260 or 265
Third and Fourth Years
• SPAN 350A and 350B
• SPAN 450A
• SPAN 499
• At least 4.5 units from SPAN 370, 375, 380, 385
• At least 9.0 additional units of 300- or 400-level Hispanic Studies courses which may include no more than 1.5 units of LAS 300

Graduation from the Honours Program requires a minimum graduating GPA of 6.0 in upper-level Hispanic Studies courses, and a minimum B+ in SPAN 499.

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 Corequisite
• SPAN 100A, 100B, 250A, 250B, 260 or 265, and 350A
• Students wishing to take 300- and 400-level courses in Spanish must achieve an average grade of B- or higher in SPAN 250A, 250B and 260 or 265 (these courses should be taken in second year).

General (Minor)
• SPAN 350A, 380, 385
• 4.5 units from LAS 300, SPAN 307, 481A, 481B, 481C, 481D, 482B, 483A, 483B, 483C, 484A, 484B, 484C, 484D, 485B

Major
• SPAN 350A, 370, 380, 385
• LAS 300
• At least 4.5 units from SPAN 481A, 481B, 481C, 481D, 482B, 483A, 483B, 483C
• 3.0 units from SPAN 307, 350B, 450A, 484A, 484B, 484C, 484D, 485B, 490A, 490B, 490C, 495 or multidisciplinary courses

Honours
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.
• SPAN 350A, 370, 380, 385, 499
• LAS 300
• At least 7.5 units from SPAN 481A, 481B, 481C, 481D, 482B, 483A, 483B
• 3 units from SPAN 307, 350B, 450A, 484A, 484B, 484C, 484D, 485B, 490A, 490B, 490C, 495 or multidisciplinary 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 SPAN 499.

Program Requirements for the Latin American Studies Concentration
Prerequisites
• 3.0 units of SPAN language courses at the 100 or 200 level (further language study is highly recommended).
• For multidisciplinary course prerequisites, please see the respective department. Students must take at least one course from a minimum of two departments.

General (Minor)
• 9.0 units from the courses below*
• Major
• LAS 300
• 13.5 units from the courses below*

Honours
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.
• LAS 300, 499
• 16.5 units from the courses below*

Graduation from the Honours Program requires a minimum graduating GPA of 6.0 in the 21.0 units of upper-level courses, and a minimum B+ in SPAN 499.

* Multidisciplinary Courses on Latin America
• ANTH 325; if focusing on Latin America ANTH 391, 392, 393, 394, 395
• GEOG 347B
• HA 375A, 375B
• HIST 465; if focusing on Latin America HIST 468, 469
• LAS 300
• SPAN 307, 484A, 484B, 484C, 484D, 485B

Hispanic Courses in English
Hispanic Studies courses conducted in English may be credited to a General, Major or Honours Degree in Latin American Studies (Language and Literature) to a limit of 3 units, provided all coursework is written in Spanish.

ITALIAN STUDIES PROGRAMS
The Department of Hispanic and Italian Studies offers General (Minor) and Major programs in Italian Studies.

Prerequisites
Students wishing to take courses in Italian Studies at the third- and fourth-year levels taught in Italian are reminded that they must have the prerequisites of the first two years including
ITAL 250A and 250B. Exceptions may be made under certain circumstances after consultation with the Department. Students pursuing a Major in Italian Studies will find that they have sufficient electives to enable them to concentrate in a second field.

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
• ITAL 351
• ITAL 306
• ITAL 303 or 470 or 472A or 472B
• ITAL 479A or 479B or 485
• Two of ITAL 473, 474, 478
• Up to 4.5 additional units of 300- or 400-level Italian courses*
*Up to 3 units may be substituted from the supporting course list below.

Supporting Course List
Students combining an Italian Minor or Major with a second concentration may not count the same course for both concentrations.

GRS 341 (1.5) Roman History
GRS 342 (1.5) Roman Society
GRS 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) Early Medieval History in Art
HA 328 (1.5) Gothic Art and Architecture
HA 341A (1.5) The 15th Century in Italy
HA 341B (1.5) The 16th Century in Italy
HA 342A (1.5) The 17th Century in Italy
HA 343A (1.5) The 18th Century in Italy
HA 420 (1.5) Advanced Seminar in Medieval Art (with the approval of the Department)
HA 445 (1.5) Advanced Seminar in Renaissance Art (with the approval of the Department)
MEST 300 (1.5) The Mediterranean Region from the Perspective of Spain and Italy (in English)
MEST 308 (1.5) Fascism in the Hispanic and Italian World (in English)

MEST 310 (1.5) The Portrayal of the Family in Mediterranean Culture (in English)

Mediterranean Studies Programs
The Mediterranean Studies Program offers insight into Mediterranean culture from the perspective of two key cultures: those of Spain and Italy. Students may opt for one of the two streams: Mediterranean Studies: Spain Concentration or Mediterranean Studies: Italy Concentration.

Programs in Mediterranean Studies:
Spain Concentration
General (Minor)
Prerequisite
• 3 units of SPAN language courses at the 100 or 200 level (further language study is strongly recommended)

Required Courses
• MEST 300 (1.5)
• MEST 308 (1.5)
• MEST 310 (1.5)
• SPAN 306 (1.5)
• 3.0 300- or 400-level units from outside the Department*
*With the approval of the Department and chosen from an approved list of courses offered by other departments in Humanities, Fine Arts and Social Sciences.

Major
Prerequisite
• SPAN 250A and 250B or equivalent

Required Courses
• MEST 300 (1.5)
• MEST 308 (1.5)
• MEST 310 (1.5)
• SPAN 350A (1.5)
• SPAN 306 (1.5)
• 4.5 units of SPAN 400 level courses taught in English
• 3.0 300- or 400-level units from outside the Department*
*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.

Programs in Mediterranean Studies:
Italy Concentration
General (Minor)
Prerequisite
• 3 units of ITAL language courses at the 100 or 200 level (further language study is strongly recommended)

Required Courses
• MEST 300 (1.5)
• MEST 308 (1.5)
• MEST 310 (1.5)
• ITAL 306 (1.5)
• 3.0 300- 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.

Department of History
Thomas J. Saunders, BA (York), MA, PhD (UofT), Associate Professor and Chair of the Department
Robert S. Alexander, BA (W Ont), MA (UofT), PhD (CanT), Professor
A. Perry Biddiscombe, BA, MA (UNB), PhD (LSE), Professor
Brian W. Dippie, BA (Alta), MA (Wyo), PhD (Tex), Professor
Andrew Rippin, BA (UofT), MA, PhD (McGill), Professor and Dean of Humanities
Eric W. Sages, BA, PhD (UBC), Professor
Paul Wood, BA (W Ont), MPhil (Lond), PhD (Leeds), FRHistS, Professor
David Zimmerman, BA (UofT), MA (UNB), Professor
Gregory R. Blue, BA (St Vincent de Paul), B Phil (U Catholique Louvain), PhD (CanT), Associate Professor
Penny Bryden, BA (Trent), MA, PhD (York), Associate Professor
Zhongping Chen, BA, MA (Nanjing), PhD (Hawaii), Associate Professor
M. L. (Mariel) Grant, BA (Trent), DPhil (Oxon), Associate Professor
John S. Lutz, BA, MA (UVic), PhD (Ott), Associate Professor
Lynne S. Marks, BA (UofT), MA, PhD (York), Associate Professor
John Price, BA, MA, PhD (UBC), Associate Professor
Oliver Schmidtke, Diplom (Philippus Universitas Marburg), PhD (European University Institute), Associate Professor
Elizabeth Vibert, BA (Dal), MA (E Anglia), DPhil (Oxon), Associate Professor
Wendy Wickwire, BMus (W Ont), MA (York), PhD (Wesleyan), Associate Professor
Guoguang Wu, BA (Beijing), MA (Chinese Academy Social Sciences), MA, PhD (Princeton), Associate Professor
Serhy Yekelchyk, BA (Kiev), MA (UkrAcadSci), PhD (Alta), Associate Professor
Sara Beam, BA (McGill), MA, PhD (Calif Berk), Assistant Professor
**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 earlier publication of the Calendar, as well as additional information not available at that time.

**Co-operative Education Programs**

Please, see page 141.

**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 138.

**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 intensively than is normally possible in the Major and General Programs. Through the Honours Seminar (HIST 480) and individual instruction in writing and research (HIST 398, 497), the Honours Program encourages students to think critically and to deepen their understanding of both the content and craft of history. While the primary intent of the Honours Program is to help any interested and talented student of history achieve an excellent education in the liberal arts, the program should be especially useful for students contemplating graduate work in history or careers in senior secondary teaching, journalism, law, library science or government service.

Admission to the Honours Program normally requires a minimum overall GPA of 6.0 as well as a minimum of 6.0 in 6 units of History courses, of which at least 3 units should be at the 100 or 200 level. These 6 units are not counted towards the 18 units of upper-level History required within the Honours Program.

Application for admission to the Honours Program should normally be made in the spring, during the student’s second year, although a small number of third-year applications may also be accepted. In certain cases, applications may be accepted any time up to the beginning of a student’s fourth year.

Honours candidates are required to have their program of courses approved by the Honours Adviser. To avoid overspecialization, Honours candidates 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

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.

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**Adjunct Appointments**

John D. Belshaw, BA (UBC), MA (SFU), PhD (LSE), Adjunct
Patrick Durnae, BA (UVic), PhD (Manchester), Adjunct
Lorne Hammond, BA, MA (UVic), PhD (Ottawa), Adjunct
Larry Hannant, BA (Calgary), MA (Waterloo), PhD (UBC), Adjunct
John Hinde, BA (UVic), MA (Queen’s), PhD (SUNY, Buffalo), Adjunct
Daniel Marshall, BA, MA (UVic), PhD (UBC), Adjunct
Rosemary Ommer, BA (Glasgow), PhD (McGill), Adjunct
Alison Prentice, BA (Smith Coll), MA, PhD (UofT), FRSC, Adjunct

**Emeritus**

Peter A. Baskerville, BA (UofT), MA, PhD (Queen’s)
Harold G. Coward, BA, MA (Alta), PhD (McM)
Ralph C. Crozier, BA (UBC), MA (Wash), PhD (Calif. Berk)
Charlotte Girard, BA (UBC), MA, PhD (Bryn Mawr)
James Hendrickson, BA (Sask), BEd (Alta), MA, PhD (Ore)
Sydney W. (Toby) Jackman, BS, MA (Wash) AM, PhD (Harvard)
Angus G. McLaren, BA (UBC), MA, PhD (Harvard), FRSC
Robert McCue, BA, BEd (Alta), MA, PhD (BYU)
G. R. Ian MacPherson, BA (Assumption U of Windsor), MA, PhD (WOnt)
John Money, BA, MA, PhD (Canatlab), FRHistS
Patricia E. Roy, BA (UBC), MA (UofT), PhD (UBC)
Reginald H. Roy, BA, MA (UBC), PhD (Wash)
Donald Senese, AB, PhD (Harvard)

**Phyllis M. Senese, BA (UofT), MA (Car), PhD (York)**

E. Patricia Tsurumi, BA (UBC), AM, PhD (Harvard)**
2. As part of HIST 497 an oral examination will be conducted by a committee comprising the Faculty supervisor of the paper, the second reader and the Departmental Honours Adviser. The examination will be open to other interested members of the Department.

Students are also required to demonstrate a reading knowledge of a language other than English by passing, with at least a C, 3.0 units of 200-level language courses (FREN 155, 175 and 195 are also acceptable), or by passing a special translation examination administered by the Department of History.

Honours students must take at least 3 units of upper-level history courses in areas outside their regional specialization.

* Other than these, courses in the various studies programs (CS, ES, EUS, GERS, GRS, IS, MEDI, MEST, PACI, RS, RUSS, WS) cannot be counted towards the General and Minor, the Major or the Honours degrees (exception: Special Topics courses may be considered on an ad hoc basis).

Graduation Standing
An Honours degree requires a graduating GPA of at least 5.0 and a GPA of at least 5.0 in Honours courses (HIST 398, 480, 497).

An Honours degree “With Distinction” requires a graduating GPA of at least 6.5 and a GPA of at least 6.0 in Honours courses.

A student having a graduating GPA of at least 6.5, but a GPA of between 5.0 and 5.99 in the Honours courses, will be given the option of receiving either a Major degree “With Distinction” or an Honours degree.

### Department of Linguistics

John H. Esling, BA (Northw), MA (Mich), PhD (Edin), Professor and Chair of the Department

Ewa Czykowska-Higgins, BA (Brit Col), MA (Tor), PhD (MIT), Associate Professor

Hua Lin, BA (Lanzhou), MEd, PhD (UVic), Associate Professor

Hossein Nassaji, BA, MA (Isfahan U), PhD (OISE/Tor), Associate Professor

Leslie Saxon, BA, MA (Tor), PhD (Calif, San Diego), Associate Professor

Suzanne Urbanczyk, BSc, MA (UVic), PhD (U of Mass), Associate Professor

Sonya Bird, BA (Brit Col), MA, PhD (U of Arizona), Assistant Professor

Ken Hiraiwa, BA, MA (Osaka), PhD (MIT), Assistant Professor

Li-Shih Huang, BA (York), MEd, PhD (OISE/Tor), Assistant Professor

Lorna B. Williams, BA (SFU), PhD (U of Tennessee), Assistant Professor and Canada Research Chair in Indigenous Knowledge and Learning

### Limited Term and Sessional Lecturer Appointments

David A. McKercher, BSc (Calgary), BEd, MA (UVic), PhD (Stanford), Sessional Lecturer

Sandra Kirkham, BA, MA, PhD (UVic), Sessional Lecturer

**ADJUNCT APPOINTMENTS**

Suzanne Cook, BA (Honours), MA (UVic), Adjunct Assistant Professor (2006-08)

B. Craig Dickson, BA, MA (UVic), Adjunct Assistant Professor (2007-09)

Jimmy G. Harris, BA, MA (Wash), MEd (USC), Adjunct Assistant Professor (2007-09)

Tadao Miyamoto, BA, MA, PhD (UVic), Adjunct Professor (2006-08)

Andrew Wilhelm, BA (Tübingen), MA, PhD (Calgary), Adjunct Assistant Professor (2007-09)

### Emeritus

James Arthurs, BA (Durham), MA, PhD (Brit Col)

Barbara P. Harris, BA (Carleton), MA, PhD (UVic)

Thomas M. Hoss, BA (Colo), MA, PhD (Wash)

Thomas E. Hukari, BA (Ore), MA, PhD (Wash)

Joseph F. Kess, BSc (Georgetown), MA, PhD (Hawaii), FRSC

Geoffrey N. O’Grady, BA (Sydney), PhD (Indiana)

### Linguistics Programs

The Department of Linguistics offers the following degree and diploma programs:

- **General, Major and Honours BSc in Linguistics**
- **Major and Honours BA in Applied Linguistics** (emphasis on teaching English as a Second Language)
- **Major and Honours BSc in Linguistics**
- **Diploma in Applied Linguistics** (emphasis on teaching English as a Second Language)
- **Certificate Program in Aboriginal Language Revitalization (CALR)**

### Co-operative Education Programs

Please, see page 141.

### Program Requirements

#### Practicum Requirement

Students should be aware that a practicum is required in order to complete the course of study for a BA or Diploma in Applied Linguistics and is an elective in the Certificate Program in Aboriginal Language Revitalization.

Please refer to “Guidelines for Ethical Conduct” and “Regulations Concerning Practica”, page 139.

### BA in Linguistics

#### General and Minor Programs

Students following a General or Minor Program in Linguistics are required to take LING 100A and at least 9 units of courses in Linguistics at the 300 or 400 level.

#### Major Program

The requirements for a Major in Linguistics are:

- LING 100A
- LING 200
- LING 203
- 15 units of upper-level courses in Linguistics, including one of LING 325 or 326, and 409, 410A, 440.

Some knowledge of a language other than English is recommended.

#### Honours Program

Students who wish to take an Honours degree in Linguistics begin the program in the third year with the permission of the Department. Honours students must:

1. Achieve at least a B average in all Linguistics courses taken in each of third and fourth years and maintain a GPA of at least 3.5 in all work of the third and fourth years; and

2. In addition to the requirements for the Major, students intending to pursue an Honours degree in Linguistics must present LING 410B, 441 and 499 for a total of 21 units of upper-level courses.

Students who meet the above requirements and successfully complete all prescribed courses will be recommended for Honours degrees as follows:

- With Distinction: graduating average of 6.5 or higher and a letter grade of at least A in Linguistics 499 (Honours Thesis)
- Honours: graduating average of 3.5 to 6.49 and a letter grade of at least B in 499

An Honours student with a graduating average of at least 6.5, but with a grade less than A in 499, will be given the option of receiving a Major degree “With Distinction” or an Honours degree.

All Honours students are required to submit their proposals for Honours thesis research at the beginning of their final year.

### BA in Applied Linguistics

The BA in Applied Linguistics prepares students for teaching English as a second language in many foreign countries and in Canadian programs outside the public school system.

The BA in Applied Linguistics does not qualify students to teach in the schools of British Columbia. Those who wish to be teachers in the British Columbia school system must either hold an Education degree or have successfully completed the professional program for graduates offered by Education faculties in BC. (For information, contact Education Advising.)

#### Major Program

**Required Courses: First and Second Years**

- LING 100A
- LING 200
- LING 203
- 4.5 units of first- and second-year English courses
- PSYC 100A and 100B

**6 units of modern second language courses, of which at least 1.5 units are at the second-year level or higher, 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 325 or 326, 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 200
• LING 203
• BIOL 150A
• Either BIOL 150B or EPHE 141
• MATH 100 or 102
• 3 units from PHYS 102, 112, 120, 220
• PSYC 100A, 100B and 201

Recommended Electives
• CSC 100, 110, 115
• EPHE 241A and 241B (prerequisite 141)
• PHYS 214
• PSYC 215A, 340
• MUS 306, 307
• Course(s) in a second language.

Required Courses: Third and Fourth Years
• LING 370A
• LING 370B
• LING 380
• LING 381
• LING 382
• 4.5 units selected from LING 300, 325 or 326, 409, 410A, 410B, 440, 441
• 3 additional units of upper-level Linguistics courses, selected from the following: LING 373, 386, 482, 483, 484 and from the following not already selected: LING 300, 325 or 326, 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 BSc 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 applied to the Diploma program.

Required Courses (15 units)
• LING 100A
• LING 200 or 203
• LING 373
• LING 374
• LING 375
• LING 376
• LING 388
• 4.5 units from LING 370A, 377, 386, 390 or 392, 395, 397 or 398, 436

Note: Diploma students who wish to pursue the MA in Applied Linguistics should complete both LING 200 and 203.

Certificate in Aboriginal Language Revitalization (CALR)
This program is offered by the Department of Linguistics in partnership with the Division of Continuing Studies and the En’owkin Centre of the Okanagan Nation. Admission is open to all those committed to the revitalization of Indigenous languages in Canada or anywhere on the globe.

It is possible to undertake coursework on the Certificate concurrently with progress toward a degree program (Bachelor’s, Master’s, or PhD). Please consult with program staff regarding this articulation.

The goal of the Certificate Program is to develop understanding of the complex dynamics of language loss, maintenance, and recovery while also providing practical strategies for work in Aboriginal communities to preserve and revitalize threatened languages. This program is designed to honor traditional knowledge and practices, to recognize and accommodate the realities and needs of diverse communities, and to provide a foundation for both language revitalization activities and for further study in linguistics, education, and/or cultural resource management.

Certificate Requirements
Participants in the Certificate Program in Aboriginal Language Revitalization must complete four core courses (9 units) and three elective courses (4.5 units). To ensure that students are themselves actively engaged in the process of learning an Aboriginal language, students must take an elective course in an Aboriginal language or demonstrate other comparable experience. Please see below under “Aboriginal Language Requirement.” As with all programs at the University, students must satisfy the University’s English Language Requirement.

The core courses are offered in Summer Institutes at the En’owkin Centre in Penticton or at the University of Victoria, and at varying times during the year in other locations. Elective courses are offered at the En’owkin Centre, at the University of Victoria, or in community settings. It is possible to arrange transfer credits for elective courses from other programs or other colleges and universities; please consult program staff for details.

Core Courses (9.0 units)
• LING 180 (3.0 units)
• LING 181 (1.5 units)
• LING 182 (1.5 units)
• LING 183 (3.0 units)

Elective Courses (4.5 units to be chosen)
• LING 159 First Nations Language I
• LING 259 First Nations Language II
• LING 359 First Nations Language III
• LING 172 Introduction to the Languages of BC
• LING 184 Aboriginal Language Materials Development
• LING 185 Aboriginal Language Revitalization Practicum
• LING 186 Language in First Nations Culture
• LING 187 Special Topics in Language Revitalization

For students who choose LING 185, please consult program staff for procedures and requirements of the practicum. Also, please refer to “Guidelines for Ethical Conduct” and “Regulations Concerning Practica,” page 139.

Aboriginal Language Requirement
Students must complete at least one course offered under LING 159, 259 or 359, or take a course in an Aboriginal language at a college or university for transfer credit, in order to strengthen knowledge of processes associated with learning an Aboriginal language.
Medieval Studies Program

Director: Iain MacLeod Higgins, BA, MA (UBC), AM, PhD (Harvard), Associate Professor, Department of English

Medieval Studies Program Committee
Catherine Harding, B.A. (McG), PhD (Lond), Associate Professor, Department of History in Art. Term expires July 1, 2008
Marcus Milwright, DPhil (Oxford), Assistant Professor, History in Art. Term expires July 1, 2008
John Tucker, B.A., M.A. (Tor), B.Litt. (Oxford) PhD (Tor), Professor, Department of English. Term expires July 1, 2009
Adrienne S. Williams Boyarin, PhD (Calif-Berkeley), Assistant Professor, Department of English. Term expires July 1, 2009

Website: <www.continuingstudies.uvic.ca/calr>

Aboriginal Language Revitalization Course Challenge

The course challenge process is intended to allow you to receive up to 2 units of elective credit, based on your proficiency in an aboriginal language. If that proficiency has been gained through the completion of formal coursework at a local college or university, the most straightforward way to have it recognized as elective credit is to transfer that credit. However, if your proficiency has been gained through life experience, you can challenge LING 159 and/or 259 as described below.

To challenge a course, you are required to provide a letter from a local language authority certifying that you have achieved a degree of proficiency in that language. As well, you will be required to complete a course challenge application form and to submit a fee equivalent to 50% of the tuition assessed for a 1.5 unit course. Based on this application, the academic advisors to the Certificate in Aboriginal Language Revitalization will determine if the course challenge is successful, establish the equivalency to LING 159 and/or 259 and arrange for the credit to be entered on your academic record.

Please have your language authority complete and sign the LING 159 and/or 259 challenge form and return it to us with the course challenge application and fee.

You are urged to complete the course challenge process upon admission to the Certificate Program so that you can plan your elective requirements accordingly.

Please mail your course challenge materials to:
- Academic Adviser
- Aboriginal Language Revitalization Programs
- Department of Linguistics
- University of Victoria
- PO Box 3045
- Victoria, BC V8W 3P4

Medieval Studies 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 140), or with a Major in another Faculty (see Interfaculty Program, page 141). 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 141).

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 consult the Director of Medieval Studies.

Co-operative Education Programs

Please, see page 141.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDI 303</td>
<td>The Medieval World</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 304</td>
<td>Medieval Studies</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 305</td>
<td>Medieval Workshop Project</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 402</td>
<td>Cross-Cultural Encounters and Exchanges</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 451</td>
<td>The Medieval and the Written Word</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Qualifying Courses</td>
<td>12.0</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>21.0</td>
</tr>
</tbody>
</table>

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 for Honours

Honours students must complete either GREE 101 and GREE 102, or LATI 101 and LATI 102. In addition, before graduation, each student will be required to demonstrate a reading knowledge of a language other than English appropriate to the area of special interest. Normally this requirement will be satisfied by completion of 3.0 units of 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDI 303</td>
<td>The Medieval World</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 304</td>
<td>Medieval Studies</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 305</td>
<td>Medieval Workshop Project</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Total Qualifying Courses</td>
<td>3.0</td>
</tr>
<tr>
<td>MEDI 360</td>
<td>Selected Topics in Medieval Culture</td>
<td>3.0</td>
</tr>
<tr>
<td>MEDI 401</td>
<td>Seminar in Medieval Culture</td>
<td></td>
</tr>
</tbody>
</table>
### 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 fulfilment of Major requirements.

### Double Major

Student pursuing a Double Major may select courses on the Eligible Courses list from their second field of concentration, but the same units cannot be used for both Majors.

### General and Minor Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDI 303</td>
<td>Cross-Cultural Encounters and Exchanges</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 304</td>
<td>The Medievals and the Written Word</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 305</td>
<td>Special Topics in Medieval Manuscript Studies</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDI 360</td>
<td>340 or 401 or 451 or 462</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>3.0 units of course offerings numbered 300 or above</td>
<td></td>
</tr>
<tr>
<td></td>
<td>selected from MEDI offerings and the list of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eligible Courses list, to be approved by the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Director of Medieval Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>9.0</td>
</tr>
</tbody>
</table>

### Combined English Honours with Medieval Studies Minor

Students in the Medieval Studies Program who are also enrolled in the English Honours Program may earn a Combined English Honours and Medieval Studies Minor degree. To do so they must complete:

- 3.0 units from MEDI 301, 302, 303, or 304
- 1.5 units from MEDI 401, 402, 451, or 452
- 1.5 units selected from the courses (apart from English courses) in the list of Eligible Courses for the Medieval Studies Program.
- 1.5 units selected from the period before 1660:
- 1.5 units selected from the following list: ENGL 340, 341, 346, 347, 352, 353, 354, 357

### Eligible Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 337</td>
<td>Medieval British Literature in Translation</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 338</td>
<td>Introduction to Old Icelandic</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 339</td>
<td>Old Icelandic Literature</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 340</td>
<td>Introduction to Old English</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 341</td>
<td>Old English Literature</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 342</td>
<td>Early Middle English Literature</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 343</td>
<td>Later Middle English Literature</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 344A</td>
<td>Chaucer: The Canterbury Tales</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 344B</td>
<td>Chaucer: Troilus and Minor Works</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 348</td>
<td>Alliterative Traditions</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 350</td>
<td>Medieval and Renaissance Scottish Lit</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 353</td>
<td>Studies in Medieval English Literature</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 409</td>
<td>The Bible in English</td>
<td>1.5</td>
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<tr>
<td>ENGL 440</td>
<td>History of the English Language</td>
<td>1.5</td>
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<td>ENGL 473</td>
<td>Women Writers in English from the Medieval to the</td>
<td>1.5</td>
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<tr>
<td></td>
<td>Augustan Age</td>
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<tr>
<td>FREN 425A</td>
<td>History of the Language: I</td>
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<tr>
<td>FREN 425B</td>
<td>History of the Language: II</td>
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<tr>
<td>FREN 440</td>
<td>1.5 or 3 Medieval Literature</td>
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<tr>
<td>FREN 441</td>
<td>Medieval Arthurian Romance</td>
<td></td>
</tr>
<tr>
<td>FREN 444</td>
<td>Medieval and Renaissance Theatre</td>
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<tr>
<td>GERS 411</td>
<td>Medieval German Literature</td>
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<tr>
<td>HIST 320</td>
<td>1.5 or 3 Seminar in Medieval England</td>
<td></td>
</tr>
<tr>
<td>HIST 320A</td>
<td>1.5 or 3 Crime and Criminality in Medieval England</td>
<td></td>
</tr>
<tr>
<td>HIST 380A</td>
<td>1.5 or 3 Seminar in Medieval Europe</td>
<td></td>
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<tr>
<td>HIST 380D</td>
<td>1.5 or 3 Individual, Family and Community in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Medieval Society</td>
<td></td>
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<tr>
<td>HIST 380E</td>
<td>1.5 or 3 Medieval Foundations of the Western</td>
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<tr>
<td></td>
<td>Legal Tradition</td>
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<td>HIST 380G</td>
<td>Medieval Law and Literacy</td>
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</tr>
<tr>
<td>HA 321</td>
<td>Late Classical and Early Christian History in Art</td>
<td>1.5</td>
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<tr>
<td>HA 323</td>
<td>Byzantine History in Art</td>
<td>1.5</td>
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<tr>
<td>HA 326</td>
<td>Early Medieval History in Art</td>
<td>1.5</td>
</tr>
<tr>
<td>HA 328</td>
<td>Gothic Art and Architecture</td>
<td>1.5</td>
</tr>
<tr>
<td>HA 340A</td>
<td>The 15th Century in Northern Europe</td>
<td>1.5</td>
</tr>
<tr>
<td>HA 352</td>
<td>Genesis of Islamic Art and Architecture</td>
<td>1.5</td>
</tr>
<tr>
<td>HA 354</td>
<td>Medieval Islamic Art and Architecture</td>
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<tr>
<td>HA 357</td>
<td>Amirates and Sultanates of the Muslim Empire</td>
<td>1.5</td>
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<tr>
<td>HA 420</td>
<td>Advanced Seminar in Medieval Art</td>
<td>1.5</td>
</tr>
<tr>
<td>HA 450</td>
<td>Advanced Seminar in Islamic Art and Civilization</td>
<td>1.5</td>
</tr>
<tr>
<td>IYAL 303</td>
<td>Medieval Italian Culture and Literature (in</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>English)</td>
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<tr>
<td>ITAL 470</td>
<td>Dante's Divine Comedy (in English)</td>
<td>1.5</td>
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<tr>
<td>ITAL 472A</td>
<td>Boccaccio's Decameron (in English)</td>
<td>1.5</td>
</tr>
<tr>
<td>ITAL 472B</td>
<td>Francis Petrarch: His Life as Literature (in</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>English)</td>
<td></td>
</tr>
<tr>
<td>MUS 311A</td>
<td>Music of the Medieval Period</td>
<td>1.5</td>
</tr>
<tr>
<td>PHIL 305</td>
<td>Medieval Philosophy</td>
<td>3.0</td>
</tr>
<tr>
<td>POLI 300A</td>
<td>Ancient and Medieval Political Thought</td>
<td>1.5</td>
</tr>
<tr>
<td>SPAN 470</td>
<td>Medieval Literature</td>
<td>1.5</td>
</tr>
<tr>
<td>SPAN 490A</td>
<td>History of the Spanish Language</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 315</td>
<td>Studies in Medieval Theatre</td>
<td>1.5</td>
</tr>
</tbody>
</table>
Department of Pacific and Asian Studies

M. Cody Poulton, BA, MA, PhD (U of T), Professor and Chair of the Department

Yuen-fong Woon, BA, MA (HK), PhD (UBC), Professor

Michael H. Bodden, BA, MA, PhD (Wis, Madison), Associate Professor

Leslie Butt, BA (Trent), MA (SFU), PhD (McGill), Associate Professor

Richard King, BA, MA (Cantab), PhD (UBC), Associate Professor

Hiroko Noro, BA, MA (Aoyama Gakuin), PhD (U of T), Associate Professor

Martin Adam, BA (Calgary), MA (Waterloo), PhD (McGill), Assistant Professor

Katsuhiko Endo, BA (SUNY Binghamton), MA (Cornell), PhD (NYU), Assistant Professor

Timothy Iles, BA, MA (UBC), PhD (U of T), Assistant Professor

Tsung-Cheng Lin, BA (FJU, Taiwan), MA (IU Bloomington), PhD (UBC), Assistant Professor

R. Christopher Morgan, BA, MA (UVic), PhD (ANU), Assistant Professor

Daromir Rudnyckyj, BA (UChicago), MA, PhD (UC Berkeley), Assistant Professor

Yasuko France, BA (Tokyo), MEd (UMass), Senior Instructor

Mika Kimura, BA, MA (UVic), Senior Instructor

Nozomi Riddenington, BA (Tokyo Women’s Christian), MA, MFA (UMass), MA (UBC), Senior Instructor

Karen Kai-Ying P. Tang, BA (National Taiwan Normal U), MA (UBC), Senior Instructor

Visiting, Adjunct and Cross-listed Appointments

James A. Boutilier, BA (Dal), MA (McM), PhD (Lond), Adjunct Professor

Daniel J. Bryant, BA, PhD (UBC), Professor Emeritus

Robert E. Florida, MechEng (Cincinnati), BD (Tufts), MA, PhD (McM), Adjunct Professor

Harry Hsin-i Hsiao, BA (Tunghai), MA, PhD (Harv), Associate Professor Emeritus

David Chuenyuan Lai, BA, MA (HK), PhD (Lond), Adjunct Professor

Joe B. Moore, BA (Wyo), MA (UC Berkeley), PhD (Wis), Associate Professor Emeritus

Jordan Paper, AB (UChicago), MA, PhD (Wis, Madison), Adjunct Professor

PACIFIC AND ASIAN STUDIES PROGRAMS

The Department of Pacific and Asian Studies offers the following programs leading to the degree of Bachelor of Arts:

- Pacific Studies (Honours, Major, General/Minor)
- Japanese Studies (General/Minor)
- Chinese 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.

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, 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 JAPA 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 regulation for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic may be lowered to 9 for students who complete at least 9 units at a university in the Asia-Pacific region.

PACIFIC 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 course work and to apply that understanding in a fourth-year honours tutorial (PACI 490A and 490B) through writing an honours research essay of at least 10,000 words. Students interested in the Honours Program should consult with the Pacific Studies Honours Adviser before making application.

Honours students must complete 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, 349A and 349B, 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

• PACI 420

• A 400-level seminar on Japan, Oceania or Southeast Asia selected from PACI 411, 412, 413, 414, 422, 440

• PACI 490A

• 9.0 units selected from CHIN 220, 310A, 320, 420 for native speakers; or from CHIN 149, 150, 249A and 249B, 310A, 349A and 349B, 480 for non-native speakers

• 3.0 units selected from CHIN 304, 305, 306, 307, 461

**Japan Area Concentration**

• PACI 321A and 321B

• 3.0 units selected from one of the following sequences:
  - PACI 319A and 319B
  - PACI 323A and 323B

**Pacific Area Concentration Specific Requirements**

• PACI 322A and 322B

• PACI 325, 390, or equivalent

• A Japan Seminar (PACI 422, 440)

• A 400-level seminar on China, Oceania or Southeast Asia selected from PACI 411, 412, 413, 414, 420

• PACI 490A

• 9.0 units selected from JAPA 149, 150, 249, 311, 312, 313, 314, 315, 480

• 3.0 units selected from JAPA 302A, 302B, 303A, 303B, 320A, 320B, 324A, 324B, 358, 359, 396, 403A, 403B

**Oceania Area Concentration**

• PACI 328A and 328B

• 3.0 units selected from one of the following sequences:
  - PACI 319A and 319B
  - PACI 321A and 321B
  - PACI 323A and 323B
  - PACI 325, 390, or equivalent

• An Oceania or Australasia Seminar (PACI 413, 414)

• A 400-level seminar on China, Japan or Southeast Asia selected from PACI 411, 412, 420, 422, 440

• PACI 490A

• 9.0 units selected from one of the following options:
  - SEA 100A and 100B, 200A and 200B, 201A and 201B
  - 100- or 200-level French language courses
  - ANTH 200, HIST 105, LING 100A, 100B, 110
  - 3.0 units selected from SEA 300, 302A, 302B, FREN 300, ENGL 439A, 439B, HIST 465, 466, 467, LING 361, 364, PACI 481 (Oceania)

**Southeast Asia Area Concentration**

• PACI 323A and 323B

• 3.0 units selected from one of the following sequences:
  - PACI 319A and 319B
  - PACI 321A and 321B
  - PACI 328A and 328B
  - PACI 325, 390, or equivalent

• A Southeast Asia Seminar (PACI 411, 412)

• A 400-level seminar on China, Japan or Oceania selected from PACI 413, 414, 420, 422, 440

• PACI 490A

• 9.0 units of SEA 100A and 100B, 200A and 200B, 201A and 201B

• 3.0 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 Studies Concentration Specific Requirements**

**Chinese Language and Literature Concentration**

• For native speakers: 9.0 units of language: CHIN 220, 320, 420 (can be taken twice on different topics); or for non-native speakers: 9.0 units of language: CHIN 149, 150, 249A and 249B

• 3.0 units selected from CHIN 303, 304, 305, 306, 307

• 1.5 units of upper-level literature and culture courses from a secondary area selected from JAPA 302A, 302B, 303A, 303B, 320A, 320B, 324A, 324B, 358, 359, 396, 403A, 403B, or SEA 302A, 320B, 320C

**Japanese Language and Literature Concentration**

• 9.0 units of Japanese language selected from JAPA 149, 150, 249, 311 (native speakers may substitute other Japan-related courses in consultation with the Program Adviser)

• 3.0 units selected from JAPA 302A, 302B, 303A, 303B, 320A, 320B, 324A, 324B, 358, 359

• 1.5 units of upper-level literature and culture courses from a secondary area selected from CHIN 304, 305, 306, 307, 461, SEA 302A, 320B, 320C

• 3.0 units of PACI 321A and 321B

• PACI 392

• 3.0 additional units of upper-level language courses selected from JAPA 312, 313, 314, 315, 480 (Native speakers may substitute other upper-level courses in consultation with the Program Adviser)

• 3.0 units selected from JAPA 396, 403A, 403B, 481, 490

**Southeast Asian Language and Literature Concentration**

• 9.0 units of Indonesian/Malay: SEA 100A and 100B, SEA 200A and 200B, SEA 201A and 201B

• 3.0 units selected from SEA 302A, 302B, 320, 324


• 3.0 units of PACI 323A and 323B

• PACI 392

• 3.0 units selected from HA 333A, 333B, PACI 411, 412

• 3.0 units selected from HA 430, 431, 432, SEA 481

**General/Minor Program in Chinese Studies**

Please see the CHIN course listings for definition of “native speaker.”

**Course Requirements (Native speakers of Chinese)**

**First and Second Years**

• 6.0 units selected from CHIN 201A, 201B, 220, 320, 420

**Third and Fourth Years**

• 9.0 additional units of upper-level courses on China (may include a second 420 on a different topic) chosen in consultation with the Program Adviser. Native speakers of Chinese may not include more than 9.0 units of eligible Chinese language courses (i.e., CHIN 220, 310A, 320, 420, 461) in fulfilling the requirements of the General Program in Chinese Studies. Students are reminded that many upper-level non-language courses on China have prerequisites that must be satisfied before registration.
General/Minor Program in Pacific Studies
Course Requirements
First and Second Years
• PACI 210
• PACI 290
• Two of PACI 280, CHIN 201A, 201B, JAPA 201A, 201B, SEA 201A, 201B
Third and Fourth Years
• Any two of the four sequences listed below:
  • PACI 319A and 319B
  • PACI 321A and 321B
  • PACI 323A and 323B
  • PACI 328A and 328B
• Any two of the following seminar courses:
  • PACI 412, 413, 414, 416, 417, 420, 422, 440, 443, 481
Recommended Electives
The following courses have content significant to
the Pacific Studies Program and are highly rec-
ommended as electives to students in this pro-
gram. 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
  Postwar Pacific Rim
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 105 (3.0) Introduction to 20th Century
  World History
HIST 253 (1.5) Introduction to Chinese
  Civilization Before 1840
HIST 254 (1.5) Introduction to Chinese
  Civilization Since 1840
HIST 255 (1.5) The Origins of Modern Japan
HIST 256 (1.5) Japan in the 20th Century
HIST 257 (1.5) Introduction to the
  Civilization of India
HIST 434A (1.5) Late Imperial China
HIST 434B (1.5) Twentieth Century China
HIST 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
POLI 318 (1.5) Government and Politics in
  East Asia

Department of Philosophy
James O. Young, BA (S Fraser), MA (Wat), PhD
  (Bost), Professor and Chair of the Department
Conrad Brunak, BA (Wheaton), MA, PhD
  (Northwestern), Professor
Eike-Henner W. Kluge, BA (Calg), AM, PhD
  (Mich), Professor
Jeffrey E. Foss, BA (Alta), MA, PhD (W Ont),
  Professor
James H. Tully, BA (UBC), PhD (Cambridge),
  Professor
Cindy L. Holder, BA (McGill), MA (Dal), PhD
  (Arizona), Associate Professor
Colin Macleod, BA (Queen's), MA (Dalhousie),
  PhD (Cornell), Associate Professor
Patrick W. Ryrie, 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
Margaret Cameron, BA (Tor), MA (Dal), PhD
  (Tor), Assistant Professor and Canada Research
  Chair in the Aristotelian Tradition
Scott Woodcock, BA (BC), MA, PhD (Toronto),
  Associate Professor
Audrey Yap, BA (UBC), PhD (Stanford), Lecturer
  Key Contact: Philosophy Chair, 721-7512

Philosophy Programs
The Department of Philosophy offers Honours,
Major and General programs leading to the Bach-
elor of Arts degree. The Department also offers
courses toward an interdisciplinary Minor in Ap-
piled Ethics. See page 222 for further information.
Program Planning
Students planning to take a Major or Honours
degree in Philosophy are advised to complete
PHIL 100 in their first year of study. They are
strongly advised to satisfy the logic requirement
(PHIL 201 and 203, or 304A and 304B) by the
end of their second year of study. Students are
advised that some 200-level courses (PHIL 201,
203, 211, 220, 236, 240, 260) are prerequisites for
advanced courses. Students are advised to take,
in their second year of study, the 200-level
courses which are the prerequisites for the ad-
vanced courses they plan to take. Students in-
tending to take a Major or Honours degree are
strongly advised to discuss their plans with the
Department's undergraduate adviser.

Co-operative Education Programs
Please, see page 141.
**Program Requirements**

**Honours Program**

30 units of courses in Philosophy. Of these, at least 21 must be numbered 300 or higher.

In completing an Honours degree in Philosophy, students must include these courses in their degree programs:

- at least two of PHIL 201, 203, 370 (3.0)
- PHIL 301 (1.5)
- PHIL 303 (1.5)
- PHIL 306 (1.5)
- PHIL 308 (1.5)
- PHIL 309 (1.5)
- PHIL 335 (1.5)
- PHIL 338 (1.5)
- PHIL 499 (1.5)

- An additional 7.5 or 9.0 units of Philosophy courses numbered 300 and above (none of 321, 330, 331, 333, 381 (formerly 379) or 383) for a total of 21 units of third- and fourth-year coursework.
- 6.0 or 7.5 units of Philosophy courses (any level).

**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. Of these, at least 15 must be numbered 300 or above.

In completing a Major degree in Philosophy, students must include these courses in their degree programs:

- at least two of PHIL 201, 203, 370 (3.0)
- PHIL 301 (1.5)
- PHIL 303 (1.5)
- PHIL 306 (1.5)
- PHIL 308 (1.5)
- PHIL 309 (1.5)
- PHIL 335 or 337 (1.5)
- An additional 4.5 or 6.0 units of Philosophy courses numbered 300 and above (none of 321, 330, 331, 333, 381 (formerly 379) or 383) for a total of 15 units of third- and fourth-year coursework.
- 3.0 or 4.5 units of Philosophy courses (any level)

**General and Minor Programs**

- 9 units of courses in Philosophy numbered 300 or above with all prerequisites satisfied.

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**Department of Women’s Studies**

AnnaLee Lepp, BA (Winnipeg), MA (Manitoba), PhD (Queen’s), Associate Professor and Chair of the Department

Christine St. Peter, BA (Toronto), MA (York), PhD (Toronto), Professor

Sikata Banerjee, BA (Dartmouth), MA (Denv), PhD (Washington), Associate Professor

Jo-Anne Lee, BA (McGill), MA (British Columbia), PhD (Sask), Associate Professor

Christine Walsh, BA (Regina), Associate Professor

Laura Parisi, BA (Vermont), MA (Arizona), PhD (Arizona), Assistant Professor

Heather Tapley, BA, MA (Valdosta State), PhD (Alberta), Assistant Professor

**Visiting, Adjunct and Cross-listed Appointments**

Jennifer Waeldi-Walters, BA (London), L.-ès-L. (Lille), PhD (London), Professor Emerita

Deborah R. Vaffa, BA (Calif, Los Angeles), BEd (London), MA (UVic), Senior Instructor Emerita

Marianne Gasztonyi Ainley BA (Sir George Williams), MSc (Montreal), PhD (McGill), Adjunct Professor

Joan Coldwell, BA, MA (London), PhD (Harvard), Adjunct Professor

E. Patricia Tsourumi, BA (British Columbia), AM, PhD (Harvard), Adjunct Professor

Brishkai Lund, BA (San Diego), MA, AB (Washington), 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 Women’s Studies program examines the complex and fascinating ways power circulates through the lives of individuals and groups. Both teaching and research practices explore the meanings of analytical categories including gender, race, class, sexual orientation, age, ability, citizenship, and national identity.

Women’s Studies explores the ways these categories dynamically intersect to create a world with complex systems of inequities both within Canada and across the globe. 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. Any 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 400A, 430 and 499
- May NOT include WS 400B

Students may take more than the required units of Women’s Studies courses as electives.

**Major Program**

Students may combine the requirements of a Major Program in Women’s Studies and a Major in 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 400A, 400B and 430

Students may take more than the required units of Women’s Studies courses as electives.

**General and Minor Programs**

A General Program leading to a BA is also offered. Students may obtain a Minor degree in Women’s Studies by combining the General Program requirements in Women’s Studies with a Major or Honours in another department or faculty.

**General Program Requirements**

- WS 104
- One of WS 203, 204, 205, 206, 207, 219
- 9 units of upper-level WS credit, which may include WS 430 (recommended)

Students may take more than the required units of Women’s Studies courses as electives.
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Faculty of Law

Legal studies equip students with the foundation of legal knowledge and skills needed for the practice of law and for the many professional roles in which legal training is invaluable. As well as introducing students to the concepts, processes and institutions of our legal system, the LLB program seeks to develop in students an understanding of the context—social, economic, historical, philosophical and cultural—in which our legal system has developed and continues to evolve. Students in the program have opportunities to explore the many specialized areas of legal training and to gain practice in the skills of argument, advocacy and other applications of the law.
Faculty and Other Officers

Elizabeth Adjin-Tettey, LLB (Ghana), LLM (Queens), LLM (Calgary), DJur (Osgoode), Barrister-at-Law (Ghana), Associate Professor

Benjamin L. Berger, BA (Alberta), LLB (UVic), LLM (Yale), Assistant Professor

John Borrow, BA, MA, LLB, LLM (Toronto), DJur (Osgoode), Law Foundation Professor of Aboriginal Justice and Governance

Gillian Calder, BA, LLB (UBC), Diploma in University Teaching (UNB), LLM (Osgoode), of the Bar of British Columbia, Assistant Professor

Neil A. Campbell, BA Honors (UBC), LLB (UVic), MLS (UBC), of the Bar of British Columbia, Associate Professor and Law Librarian

James L. Cassels, QC, BA (Carleton), LLB (Western), LLM (Ottawa), of the Bar of British Columbia, Professor. On leave

M. Cheryl Crane, BA, LLB (Saskatchewan), LLM (Canantab), of the Bar of Saskatchewan, Associate Professor and Associate Dean Administration and Research

Maneesha Deckha, BA (McGill), LLB (Toronto), LLM (Ottawa), Assistant Professor

Gerard A. Ferguson, BA (St. Patrick’s), LLB (Ottawa), LLM (NY), of the Bar of Ontario, University of Victoria Distinguished Professor

Hamar Foster, BA (Queens), MA (Sus), LLB (UBC), MJur (Auckland), FRHistS, of the Bar of British Columbia, Professor

Judy Fudge, BA (McGill), MA (York), Grad Dip (Ottawa), DPhil (Oxford), Lansdowne Professor of Law

Glenn Gallins, QC, BA (Wisconsin), MS (Wisconsin), LLB (UBC), LLM (Ottawa), of the Bar of British Columbia, Associate Professor and Director of the Law Centre Clinical Legal Education Program

J. Donald Galloway, LLB (Edinburgh), LLM (Harvard), Professor

Mark R. Gillen, BCom (Toronto), MBA (York), LLB (York), LLM (Toronto), Professor

Andrew Harding, MA (Oxford), LLM (Singapore), PhD (Monash), Professorship in Asia Pacific Legal Relations

Kim Hart Wensley, BA (Trent), LLB (UVic), of the Bar of British Columbia, Senior Instructor and Associate Dean Academic and Student Relations

Robert G. Howell, LLB (Wellington), LLM (Illinois), of the Bar of New Zealand, Professor

Rebecca Johnson, BMus (Calgary), MBA (Alberta), LLB (Alberta), LLM (Michigan), Diploma in University Teaching (UNB), SJJ (Michigan), of the Bar of Alberta, Associate Professor

Freya Kodar, BA (McGill), LLB (UVic), LLM (York), PhD (York), Assistant Professor

Hester A. Lessard, LLB (Dalhousie), LLM (Ottawa), Associate Professor

Colin Macleod, BA (Queens), MA (Dalhousie), PhD (Cornell), Associate Professor

Maureen A. Maloney, QC, LLB (Warw), LLM (Toronto), of the Bar of British Columbia, Lam Chair in Law and Public Policy, Director of the Institute for Dispute Resolution

Maxine Matlipi, LLB (UVic), of the Bar of British Columbia, Director of the Academic and Cultural Support Program

Theodore McDorman, BA (Toronto), LLB, LLM (Dalhousie), of the Bar of Nova Scotia, Professor

R. Michael McGonigle, BA (UBC), LLB (Toronto), MSc (LSE), LLM, JSD (Yale), of the Bar of the District of Columbia and British Columbia, Eco Research Chair in Environmental Law and Policy

Andrew Newcombe, BSc Hons (King’s College), LLB (UVic), LLM (Toronto), of the Bar of British Columbia, Assistant Professor

Martha O’Brien, BA, 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

Andrew J. Pirie, BA (Wat), LLB (Dalhousie), LLM (Wellington), of the Bar of Ontario, Associate Professor

Heather Raven, BA, LLB (UBC), of the Bar of British Columbia, Senior Instructor

Chris Tollefson, BA (Queens), LLB (UVic), LLM (Osgoode), of the Bar of British Columbia, Associate Professor

Jim Tully, BA (UBC), PhD (Cambridge), Distinguished Professor of Political Science, Law, Indigenous Governance and Philosophy

Mary Anne Waldron, QC, BA (Brandon), LLB (Manitoba), LLM (UBC), of the Bar of British Columbia, Professor. On leave

Jeremy Webber, BA (UBC), LLB (McGill), LLM (Osgoode), Canada Research Chair in Law and Society

PROFESSIONAL STAFF

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 Pattison, BFA (UVic), Program Administrator, Environmental Law Centre

Janet L. Person, BBA (SFU), Admissions Officer

Francine Proctor, BEd (UBC), LLB (UVic), of the Bar of British Columbia, Law Cooperative Education Coordinator

Krista Sheppard, BHS (Western), Development and External Relations Officer

Pat Skidmore, Demcon Coordinator

VISITING, ADJUNCT, EMERITUS AND CROSS-LISTED APPOINTMENTS

Adrian Brooks, BA (UVic), LLB (Osgoode), of the Bar of Ontario and British Columbia, Adjunct Professor

Donald Casswell BSc (Toronto), LLB (Osgoode), of the Bar of Ontario, Professor Emeritus

Nils Jensen, BSc (Ottawa), LLB (Osgoode), of the Bar of British Columbia, Adjunct Professor

Keith Jobson, BA, BEd (Saskatchewan), LLB (Dalhousie), LLM (UBC), of the Bar of British Columbia, Professor Emeritus

John R. Kilcoyne, LLB (UVic) 1978, LLM (Osgoode) 1984, called to the Bar of British Columbia in 1979, Professor Emeritus

Sandra K. McCallum, Bjuris, LLB (Monash), LLM (UBC), of the Bar of British Columbia, Professor Emeritus

Michael Manso, BSc (McGill), DipEd (UBC), LLB (Osgoode), of the Bar of British Columbia, Adjunct Professor

Catherine Morris, BA, LLB (Alberta), LLM (UBC), of the Bar of British Columbia, Adjunct Professor

Robert A. Mulligan, BA (UVic), LLB (UBC), of the Bar of British Columbia, Adjunct Professor

William R. McIntyre, QC, LLB (Saskatchewan), of the Bar of Saskatchewan and British Columbia, Honorary Professor

John P.S. McLaren, LLB (St Andrews), LLM (London), LLM (Michigan), LLD (Calgary), Professor Emeritus

William A.W. Neilson, BCom (Toronto), LLB (UBC), of the Bar of British Columbia, Professor Emeritus

Murray Rankin, BA (Queens), LLB (Toronto), LLM (Harvard), of the Bar of British Columbia, Adjunct Professor

Lyman R. Robinson, QC, BA, LLB (Saskatchewan), LLB (Harvard), of the Bar of British Columbia, Professor Emeritus

Calvin Sandborn, of the Bar of British Columbia, Adjunct Professor

Donovan W. Waters, QC, FRSC, BA, BCL, MA (Oxford) PhD (London), DCL (Oxford), LLD (UVic), of the Bar of England and the Bar of British Columbia, Professor Emeritus
General Information

The Faculty of Law offers a three-year program leading to the Bachelor of Laws (LLB) degree. The Faculty's LLB program qualifies students for articles and the practice of law in all provinces and territories except Quebec.

The Faculty also offers the following programs:
- Concurrent LLB/Master of 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 167.

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 can far exceed 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 <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: lawadmis@uvic.ca
Web: <law.uvic.ca>

ADMISSION TO THE FIRST-YEAR PROGRAM

Regular Applicants

To be considered for admission to the Faculty of Law, regular applicants must:
- present proof of having received, with standing satisfactory to the Faculty of Law, a degree from the University of Victoria or an equivalent degree from a recognized college or university;
- present proof of having completed, with standing satisfactory to the Faculty of Law, at least the first three years (45 units) of a program leading to a degree at the University of Victoria, or the equivalent at a recognized institution.

In addition, each applicant must submit a Law School Admission Test (LSAT) score 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;
- 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 and present and future connection with the Aboriginal community. Applicants with less than three 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
E-mail: thompsnr@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 600 out of a possible 777.

Applicants who do not meet these TOEFL minimums will not normally be admitted to the Law Faculty. Students applying to the joint Common Law/Civil Law Degree Program are exempt from this requirement.

Part-Time Students

A limited number of positions in the Faculty are available for part-time legal studies. Students must demonstrate to the satisfaction of the Faculty that they are unable to attend on a full-time basis because of health reasons, physical disability or exceptional family or financial hardship.

Students must ensure that their part-time program conforms to the Law Society requirements in the province in which they wish to 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 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

2008-09 UVIC CALENDAR

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
E-mail: thompsnr@duke.usask.ca

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Registration Information

Completion of Registration

In addition to completing the requirements for admission (see page 163), 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:
1. their courses have been chosen in conformity with Calendar regulations;
2. their registration is complete and accurate;
3. there is no discrepancy between the program they are following and the approved program recorded in the Associate Dean’s Office of the Faculty of Law; and
4. 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 Associate 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 Associate 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
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 student's conduct or lack of competence in the clinical program or course may adversely affect members of the public or personnel including students associated with the program or course, the Faculty may prohibit the student from re-enrolling in the program or courses, or the Faculty may require the student to withdraw from the Faculty.
d) Supplemental examinations may not be written in courses in which a student has attained a grade of C+ or better.
e) The grade point value for supplemental examinations will be determined in accordance with the Faculty grading scale (see table). The original sessional Grade Point Average, original letter grade and a revised sessional Grade Point Average, taking into account the supplemental examination results, will be recorded on a student's transcript.

SPECIAL EXAMINATIONS
a) Subject to subsections (b) and (c), the Faculty may authorize a student to write Special Examinations in order to achieve standing, where the Faculty determines that a student's ability to write or to complete an examination or other academic requirement has been affected by illness, family affliction or other special circumstances.
b) A request for a Special Examination under subsection (a) must be made in writing to the Associate Dean Academic and Student Relations within five days after the date on which the original examination was written or was to be written, or within five days after the date on which the other academic requirement was due, and the student must provide a physician's report or other substantiating documentation as soon as possible.
c) For the purposes of providing evidence to the Faculty as to the nature of the illness and the effect of that illness upon the student's ability to complete an examination or other academic requirement, the physician's medical report should be made on the form approved by the Faculty of Law for that purpose wherever possible. Where the form provided by the Faculty of Law is not used, the medical report should contain the kinds of information sought on that form.

d) Where a student has written an examination, a request for a Special Examination under (b) shall be confirmed or withdrawn by the student within 10 days after grades have been released by the Associate Dean's Office. Where the request is not confirmed within that 10-day period, it will be deemed to have been withdrawn.

e) Special Examinations for the year are normally written in 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.

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.

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 the Human and Social Development Faculty's Master of Arts in Indigenous Governance programs may earn both degrees concurrently with modified requirements for each. Students should indicate in both applications that they are applying for the concurrent degree program. For information on the MAIG requirements, please see the UVic Graduate Calendar.

The two degrees, if pursued consecutively, would normally require five years of study, whereas the concurrent degree may be completed in 4 years. The first year of the concurrent degree program will be devoted entirely to the first-year LLB curriculum.

A minimum of 53 units of credit will be required to complete the concurrent degree program. The requirements for the concurrent program are as follows:
• the first year of the LLB program (15 units);
• 23 additional units of law courses, including LAW 340: Indigenous Lands, Rights and Governance; LAW 307B: Civil Procedure; LAW 309: The Law of Evidence; and the Law Faculty's major paper requirement;
• 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 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 requirements, please see the UVic Graduate Calendar.

To complete the LLB portion of the program, a student must complete the entire first-year law curriculum. After that, the LLB portion of the program requires a student to complete 29 units of law courses, or law-approved courses, including the following:
- 3 units of MBA courses in lieu of the Law Faculty’s 3-unit, non-law course option in other faculties;
- MBA 598: Research Report (3.0) in lieu of LAW 399 (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 not take courses towards their LLB that substantially duplicate courses that they have taken towards their Civil Law degree.
- Students in the program may not (as part of their program) take courses at the University of Victoria outside the Faculty of Law and are not eligible for exchange terms outside the Faculty.
- Students in the program must otherwise comply with all of the University of Victoria academic regulations and requirements (mutatis mutandis).

**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.

With the permission of the Law Co-op Coordinator, a student who has completed all degree requirements but who has not yet convoked may be permitted to enroll in a Law Co-op work term. A student who engages in such a work term is not eligible to convocate until after the work term has been completed.

Students may not obtain credit for any of their Co-op work terms on the basis of work experience obtained prior to their enrolment in the Law Faculty. The performance of students registered in a Law Co-op work term will be graded as COM, N, 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 40. 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.
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.

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Honours</th>
<th>Major</th>
<th>General</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td></td>
<td>✗</td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>✗</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Earth and Ocean Sciences</td>
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<tr>
<td>Mathematics</td>
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<td>✗</td>
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<tr>
<td>Microbiology</td>
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<tr>
<td>Physics</td>
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<td></td>
<td>✗</td>
</tr>
<tr>
<td>Statistics</td>
<td>✗</td>
<td></td>
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</tr>
</tbody>
</table>

Students planning to enter the Faculty of Science from another faculty (see Interfaculty Program, page 171 for details).

**Student Responsibility**

Students are referred to the section Course Selection Responsibility, page 29.

**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 transfer to the Faculty of Engineering to complete a degree in Computer Science should seek advice from the Department of Computer Science.

**Record of Degree Program**

All students continuing in the Faculty of Science must file a Record of Degree Program with the Academic Advising Centre. Please see Declaring a Program, page 171 for details.

**Availability of Courses to Students in Other Faculties**

Generally, courses offered in the Faculty of Science are open to students in other faculties who have satisfied any prerequisite courses. However, some courses or sections are open only to students in the Faculty of Science or to students in specific programs. Restrictions on enrollment are included under individual course descriptions.

Students in other faculties who propose to take courses offered in the Faculty of Science are responsible for determining if the courses can be used for credit in their degree program.

**Definition of a Science Course**

A science course is any one of the following:

- a course offered in the Faculty of Science, except:
  - a course designated as not being for credit in the Faculty of Science
  - a course designated as being for credit only in a non-science program
- any course offered by the Department of Computer Science and all Software Engineering courses (SENG)

**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.

**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.
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.

Substitution of Elective Credit for Required Courses:

With the consent of the department offering the student's degree, and with the permission of the Director of Academic Advising, a student may substitute up to 3 units of 300 or 400 level credit for required courses at the 300 and 400 level in a Faculty of Science degree program; such permission is invalidated if a student withdraws from the degree program of the department that provided the consent.

Students should review individual department entries for information on the use or substitution of elective credit.

Graduation Standing

The graduation standing of a student in the Faculty of Science is determined in accordance with the University regulations on page 38 and, for a student enrolled in an Honours Program, in conjunction with any Honours requirements specified by the departments concerned.

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 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 normally at least 30 units 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 170) except in the combined program in Financial Mathematics and Economics.
7. have satisfied the requirements specified in this Calendar by the department whose program the student has taken.

Honours Program
The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program
Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program
A student in an Honours Program must satisfy the requirements common to all bachelor’s degrees in the Faculty of Science, listed above.

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department’s Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student’s work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs
Astronomy
Biochemistry
Biology
Chemistry
Earth Sciences
Mathematics
Microbiology
Physics
Statistics

Combined Honours Programs
Biology and Earth and Ocean Sciences
Biology and Psychology
Chemistry and Earth and Ocean Sciences
Chemistry and Mathematics
Computer Science and Mathematics
Computer Science and Statistics
Mathematics and Statistics
Physical Geography and Earth and Ocean Sciences
Physics and Astronomy
Physics and Biochemistry
Physics and Computer Science
Physics and Earth Sciences (Geophysics)
Physics and Mathematics
Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

Double Honours Program
With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Science, both leading to the BSc degree.

Interfaculty Double Honours Program
If a student elects to complete an Honours Program in the Faculty of Science and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student’s Record of Degree form. If the second department listed offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Major Program
The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program is also a good preparation for a professional or business career.

Requirements of the Major Program
A student in a Major Program must satisfy the requirements common to all bachelor’s degrees in the Faculty of Science, listed above.

Each department has its own requirements for its Major Programs, which usually include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at UVic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs
Astronomy
Biochemistry
Biology
Chemistry
Earth Sciences
Mathematics
Microbiology
Physics
Statistics

Combined Major Programs
Biochemistry and Chemistry
Biology and Earth and Ocean Sciences
Biology and Psychology
Chemistry and Earth and Ocean Sciences
Chemistry and Mathematics
Chemistry and Microbiology
Computer Science and Geography
Computer Science and Mathematics
Computer Science and Psychology
Computer Science and Statistics  
Financial Mathematics and Economics  
Mathematics and Statistics  
Physical Geography and Earth and Ocean Sciences  
Physics and Astronomy  
Physics and Biochemistry  
Physics and Computer Science  
Physics and Earth Sciences (Geophysics)  
Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)  

**Double Major Program**  
A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Science, both leading to the BSc degree, except for the following combinations: Biochemistry with Microbiology; Astronomy with Physics; and Mathematics with Statistics.  

**Combined Major with a Major Program**  
A student can complete one of the Combined Major Programs listed above with another Major Program (in this faculty or in another faculty), but the discipline of the Major Program must not be either of the disciplines of the Combined Major Program.  

**Interfaculty Program**  
A student may elect to complete an Interfaculty Double Major or a Joint Honours and Major Program. In a Double Major Program, if one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.  
In a Joint Honours and Major Program, the Honours Program is listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty they are registered in. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.  

**BA or BSc Major in Environmental Studies**  
A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.  

**BA in Mathematics or Statistics**  
Students who wish to obtain a BA in Mathematics or Statistics should register in either the Faculty of Humanities or the Faculty of Social Sciences, and complete the requirements common to all bachelor's degrees in that faculty.  

**General Program**  
The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.  

**Requirements of the General Program**  
A student in a General Program must satisfy the requirements common to all bachelor's degrees in the designated faculty determined by the first subject area listed on the Curriculum Advising and Program Planning (CAPP) form.  
The General Program requires:  
• Completion of 9 units of course work at the 300- and 400-level in each of the two disciplines, as specified in the General Program requirements of the departments concerned  
• At least 6 of the 9 units in each discipline must be completed at UVic  

A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in another faculty. The degree awarded will be a BA unless two Generals in the Faculty of Science are chosen, or one of the BSc Generals in 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 220)  
**Film Studies** (see page 220)  
**Indigenous Studies** (see page 221)  
**Music** (see page 110)  
**Professional Writing in Journalism and Publishing** (see page 116)  

**Minor Program**  
A Minor is an optional program that allows students to study in an area outside their Honours, Major or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned. Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.  
• No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.  
• If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level departmental 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.  

**2008-09 UVIC CALENDAR**  

Only one Minor can be declared on a student's program.  
In addition to department Minors, the following Minors are offered:  

**Interdisciplinary Minors**  
Applied Ethics (see page 222)  
European Studies (see page 221)  
Religious Studies (see page 221)  
Indigenous Studies (see page 221)  

**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 171, 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.
FACULTY OF SCIENCE

Department of Biochemistry and Microbiology

Robert D. Burke, BSc, PhD (Alta), Professor, Cross-listed with Biology, and Chair of the Department
Juan Aasio, 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 (III), Professor
Terry W. Pearson, BSc, PhD (UBC), Professor
Paul J. Romanuk, BSc, PhD (McMaster), Professor
Christopher Upton, BSc, PhD (Lond), Professor
Alisdair Boraston, BSc, PhD (UBC), Associate Professor
Christoph Borchers, BSc, MSc, PhD (Konstanz), Associate Professor
Caroline E. Cameron, BSc, PhD (UVic), Associate Professor
Martin J. Boulanger, BSc, PhD (UBC), Assistant Professor
Rozanne Poulson, BSc, PhD (Wales), Adjunct Professor
John Hall, BSc (UVic), Administrative Officer
Albert Labosiere, 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

General Office: 721-7077
Fax: 721-8855
E-mail: biocmicr@uvic.ca
Web: <web.uvic.ca/biochem/>

Biochemistry and Microbiology Programs

The Department offers Honours, Major, General and Minor Programs in Biochemistry or Microbiology, a Combined Major in Biochemistry or Microbiology and Chemistry, and a Combined Honours and Major in Biochemistry and Physics.

Co-operative Education Programs

Please, see page 176.

Program Requirements

Notes on Course Requirements

- Courses may be taken in different sequences and in different years from those indicated provided the prerequisite and corequisite 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 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.

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 BIOL 499 or 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

- ENGL 115 or 135
- CHEM 101, 102
- BIOL 190A
- PHYS 102

Second Year

- CHEM 235
- CHEM 231
- CHEM 222

Third Year

- CHEM 222
- CHEM 245
- BIOL 300A, 300B
- MICR 302
- MICR 303

Fourth Year

- CHEM 337 and one of 335, 347, 352, 353
- Two of BIOL 401, 403, 404, 407
- Two of MICR 402, 405, 408
- BIOC 499

Other courses

Total

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.

Major Program

First Year

- ENGL 115 or 135
- CHEM 101A
- MATH 100 and 101, or 102 and 151
- CHEM 101, 102
- PHYS 102

Second Year

- STAT 255 or equivalent
- BIOL 225

Third Year

- CHEM 222
- CHEM 245
- BIOL 300A, 300B
- MICR 302
- MICR 303

Fourth Year

- CHEM 337 and one of 335, 347, 352, 353
- Two of BIOL 401, 403, 404, 407
- Two of MICR 402, 405, 408
- BIOC 499
2. Students in the Biochemistry program are strongly advised to take MATH 100 and 101.
3. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.

### General and Minor Programs

#### First Year
- BIOL 190A..........................1.5
- MATH 100 and 101, or 102 and 151 ..........3.0
- CHEM 101,102.........................3.0
- PHYS 102 or 112, or 120 and 220 ..........3.0
- Other courses........................3.0
- Total..................................................15.0

#### Second Year
- STAT 255 or equivalent..................1.5
- BIOL 225^1, 230........................3.0
- CHEM 213...............................1.5
- CHEM 231...............................1.5
- CHEM 235...............................1.5
- MICR 200A, 200B......................3.0
- Other courses........................3.0
- Total..................................................15.0

#### Third and Fourth Years
- BIOC 300A, 300B......................3.0
- MICR 302...............................1.5
- MICR 303...............................1.5
- 3.0 additional units of BIOC or BCMB........3.0
- Minimum 21 additional course units........21.0
- Total...........................................................30.0

1. MICR 200A replaces BIOL 190B as a pre-requisite or corequisite to BIOL 225.
2. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.

### Microbiology Program Requirements

#### Honours Program

#### First Year
- ENGL 115 or 135.........................1.5
- BIOL 190A..........................1.5
- MATH 100 and 101, or 102 and 151 ..........3.0
- CHEM 101,102.........................3.0
- PHYS 102 or 112, or 120 and 220 ..........3.0
- Other courses........................3.0
- Total..................................................15.0

#### Second Year
- STAT 255 or equivalent..................1.5
- BIOL 225^1, 230........................3.0
- CHEM 213...............................1.5
- CHEM 231...............................1.5
- CHEM 235...............................1.5
- MICR 200A, 200B......................3.0
- Other courses........................3.0
- Total..................................................15.0

#### Third Year
- BIOL 300A, 300B......................3.0
- BCMB 301A, 301B.....................3.0
- MICR 302...............................1.5
- MICR 303...............................1.5
- BIOC 300A, 300B......................3.0
- Other courses........................3.0
- Total..................................................15.0

#### Fourth Year
- Two of BIOC 401, 403, 404, 407 ..........3.0
- Two of MICR 402, 405, 408 ............3.0
- MICR 499.................................3.0
- Other Science electives^3..................3.0
- Other Science electives^3..................3.0
- Total..................................................15.0

1. MICR 200A replaces BIOL 190B as a pre-requisite or corequisite to BIOL 225.
2. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.
3. BIOL 438 is recommended

### 2008-09 UVIC CALENDAR

#### General and Minor Programs

#### First Year
- BIOL 190A..........................1.5
- MATH 100 and 101, or 102 and 151 ..........3.0
- CHEM 101,102.........................3.0
- PHYS 102 or 112, or 120 and 220 ..........3.0
- Other courses........................4.5
- Total..................................................15.0

#### Second Year
- STAT 255 or equivalent..................1.5
- BIOL 225^1, 230........................3.0
- CHEM 213...............................1.5
- CHEM 231...............................1.5
- CHEM 235...............................1.5
- MICR 200A, 200B......................3.0
- Other courses........................3.0
- Total..................................................15.0

#### Third Year
- BIOC 300A, 300B......................3.0
- BCMB 301A, 301B.....................3.0
- MICR 302...............................1.5
- MICR 303...............................1.5
- BIOC 300A, 300B......................3.0
- Other courses........................3.0
- Total..................................................15.0

#### 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
## FACULTY OF SCIENCE

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.  
5. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.

### Combined Biochemistry and Physics Program Requirements

#### Combined Honours in Biochemistry and Physics

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#### Combined Major in Biochemistry and Physics

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<td>PHYS 326</td>
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1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.  
2. Only for student who took PHYS 112.  
3. Chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.  
4. CSC 242 is strongly recommended. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

### BIOCHEMISTRY AND MICROBIOLOGY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Science is described on page 173.

#### 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/bioccoop/>.
**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 (NDakota), 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, PhD (Man), Professor

Kim M. Juniper, BSc (Alberta), PhD (Cant NZ), Professor and BC Leadership Chair in Marine Ecosystems and Global Change

Ben F. Koop, BS, MS (Texas Tech), PhD (Wayne St), Professor

Asit Mazumder, BSc, MSc (Chittagong), MSc (Brock), PhD (Wat) Professor and NSERC Industrial Chair.

David H. Turpin, BSc, PhD, FRSC, Professor

Verena J. Tunnicliffe, BSc (McMaster), MPhil, PhD (Yale), FRSC, Professor

Patrick von Aderkas, BSc (Guelph), PhD (Manc), Professor

Geraldine A. Allen, BSc, MSc, PhD (UBC), PhD (Ord St), Associate Professor and Curator of the Herbarium

Brian Christie, BSc, MSc (Calgary), PhD (Otago) Associate Professor Limited Term (2007-2012)

C. Peter Constabel, BSc (Sask), MSc (UBC), PhD (Montreal), Associate Professor

John E. Dower, BSc (Memorial), PhD (Victoria), Associate Professor

Barbara J. Hawkins, BSF (UBC), PhD (Cant), Associate Professor

Louise R. Page, BSc, MSc (Alta), PhD (Victoria), Associate Professor

Robert L. Chow, BSc (Tor), PhD (NYU), Assistant Professor

Juergen Ehling, MSc (Cologne), PhD (Max-Planck, Cologne), Assistant Professor

Perry L. Howard, BSc (Wit), PhD (Tor), Assistant Professor

Robert Ingham, BSc (SFU), PhD (UBC), Assistant Professor

Raad Nashmi, BSc, MSc, PhD (Tor), 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 (Guelph), PhD (Wash), Senior Instructor (2005-2009)

David C. Creasey, BSc, PhD (Man), Senior Instructor (2005-2009)

Thomas E. Reinchen, BSc (Alta), PhD (Liv), Senior Instructor (2005-2009)

Dawna G. Brand, BSc (Victoria), Senior Laboratory Instructor

Heather Down, BSc (Victoria), Scientific Assistant

Thomas A. Gore, Senior Scientific Assistant

Janice D. Gough, BSc (Dalhousie), Administrative Officer

Brent E. Gowen, BSc (Man), Senior Scientific Assistant

Kimberley Hodgson, BSc (Victoria), MSc (Alberta), Senior Laboratory Instructor

My Lipton, BSc (Victoria), Scientific Assistant

Paul A. Lisson, BSc, MSc, PhD (Victoria), Laboratory Instructor

Roswitha Marx, Staatsexamen (Kaiserslautern), MSc (Sask), PhD (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. Antos, BS (N Ill), MA (Mon), PhD (Ore St), Adjunct Professor (2007-2010)

Max L. Bothwell, BA, MA (Calif-Santa Barbara), PhD (Wisconsin), Adjunct Professor (2005-2008)

Laurie H.M. Chan, BSc, MSc (Hong Kong), PhD (London), Adjunct Professor (2006-2009)

Job Kuijji, BA (UBC), MA, PhD (Calif-Berk), Adjunct Professor (2007-2010)

Thorsten C. Lacalli, BSc (Wash), PhD (UBC), Adjunct Professor (2005-2008)

Patrick M.J. MacLeod, BSc, MD (UBC), Adjunct Professor (2007-2010)

Henry M. Reiswig, BA, MA, PhD (Calif-Berk), PhD (Yale), Adjunct Professor (2006-2009)

Rachael Scarr, BSc, MSc, PhD (Cant), Adjunct Professor (2007-2009)

Nancy M. Sherwood, BSc (Oregon), MA, PhD (Calif-Berk), Adjunct Professor (2007-2010)

Hugh J. Barclay, BSc, MSc, PhD (Victoria), Adjunct Associate Professor (2005-2008)

Klaas Broersma, BSc, MSc, PhD (Alberta), Adjunct Associate Professor (2007-2010)

J. Anthony Trofymow, BSc (Lethbridge), MSc, PhD (Calif-Calg), Adjunct Assistant Professor (2007-2010)

John E. Dower, BSc (Memorial), PhD (Victoria), Adjunct Assistant Professor (2006-2009)

Michael Stoehr, BSc, MSc (Lake), PhD (Tor), Adjunct Assistant Professor (2006-2009)

R. John Nelson, BS (Calif-Davis), PhD (Wisconsin), Adjunct Assistant Professor (2007-2010)

Karl W. Larsen, BSc, MSc (Victoria), PhD (Alta), Adjunct Associate Professor (2005-2009)

Brad H. Nelson, BSc, UBC, PhD (Calif-Berk), Adjunct Associate Professor (2006-2009)

Michael Clinchy, BSc (Tor), MSc, PhD (UBC), Adjunct Associate Professor (2005-2008)

Louis A. Gosselin, BSc, MSc (Laval), PhD (Alberta), Adjunct Assistant Professor (2007-2010)

David M. Holloway, BA (Paget Sound), PhD (UBC), Adjunct Assistant Professor (2007-2010)

Michael Clinchy, BSc (Tor), MSc, PhD (UBC), Adjunct Associate Professor (2005-2008)

John H. Russell, BSc (Montreal), MSc, PhD (UBC), Adjunct Associate Professor (2007-2010)

N. Whenen, BSc, MSc (Victoria), PhD (Valpo), Adjunct Assistant Professor (2005-2008)

**Biology General Office**

Phone: 721-7094 or 721-7095
Fax: 721-7120
E-mail: biology@uvic.ca
Web: <web.uvic.ca/biology/>

**Biology Programs**

Students have the opportunity to study Biology at one of the following levels of concentration:

- General, Minor, Major or Honours. BSc Honours and Major Programs are intended for those planning to become professional biologists. Both require a core of Biology courses, corequisite courses in 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 dis-
Biology Courses for Non-Majors

The Biology Department offers several courses for students not undertaking an undergraduate program in Biology. These courses cover areas of Biology of general interest and relevance. Courses in this category include BIOL 150A, 150B, 334, and 400. Certain other courses may be taken with the permission of the instructor.

Biology Courses Offered Through the Bamfield Marine Sciences Centre

Marine Science courses (MRNE courses in the course listings) are offered at the Bamfield Marine Sciences Centre, the majority during the summer months. Registration information for the Summer Program is available from the Biology Department and our website: <www.bms.bcc.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 180.

Program Requirements

Notes on Course Requirements

- Biology 12 is normally required for entry into a Major, Honours, General or Minor Programs. Students with Biology 11 only are required to take BIOL 150B to enter Majors, Honours or General Programs.

- Major and Honours students are expected to participate fully in all aspects of laboratory work including handling live and preserved organisms. Laboratory work using animals is reviewed annually by the Uvic Animal Care Committee and complies with guidelines established by the Canadian Council on Animal Care. Students who are unwilling to use animals and plants for educational purposes will not normally be able to complete a Major or Honours Program. The General Program provides an alternative for students in such a position. Students who have ethical or health concerns that interfere with normal program requirements should write to the Chair of the Biology Department. This should be done at least six weeks before the beginning of the term in which the course of concern is being offered.

- Students from outside the Department of Biology wanting to take BIOL courses are encouraged to take BIOL 150A and B or BIOL 190A and B, and as many as possible of BIOL 215, 225 and 230. Students who wish to take upper-level courses should contact the undergraduate adviser or instructor to determine which core courses are most suitable as prerequisites.

- Students considering going on to professional schools (e.g., Medicine, Dentistry, Veterinary Science) should include the Science, Math and English courses that are prerequisite to entry into these professional programs. Three units of PHYS required for most first-year professional programs. Students contemplating entry into Medicine after the third year should consult with the Department.

- Students considering a teaching career are advised to consider the following programs:
  - for Senior Secondary level: a BSc Major or Honours
  - for Junior Secondary School and Elementary level: a BSc or BA General Program

- for teacher certification: consult the Faculty of Education.

- Because of the importance of biometrics in most biological work, students in Biology programs should consider taking additional STAT courses.

- Students may be required to meet part of the expenses involved in required field trips.

- The Department does not offer supplemental examinations.

Notes on Biology Upper Level Electives

Biology upper level electives should be chosen with the student's full program in mind. Students cannot expect to be admitted to courses without the prerequisites.

Honours Program

Honours students complete the program of required courses shown below and the Biology electives as described for the Major, and in addition take BIOL 460 (1.0) and BIOL 499 (3.0) in their fourth year. Of the remaining 9 units to complete the 61 unit degree requirement, at least 3 units must be from an additional course(s) in Biology chosen in consultation with the Department.

Any prospective Honours students should first discuss proposed thesis research with a faculty member and obtain the member’s consent to serve as thesis supervisor. The student should then apply to the departmental Honours Adviser for admission to the Honours Program before May 1 in the third year of studies. However, applications will be accepted up to the end of fall registration in the fourth year of studies. The completed thesis will be examined by a small committee including the supervisor. Applicants should have and maintain a GPA of at least 6.0 in all Department courses.

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

<table>
<thead>
<tr>
<th>First Year</th>
<th>BIOL 190A, 190B</th>
<th>CHEM 101, 102</th>
<th>MATH 100 and 101, or 102 and 151</th>
<th>PHYS 102 or 112</th>
<th>Electives</th>
<th>Total</th>
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<tr>
<th>Second Year</th>
<th>BIOL 299</th>
<th>BIOL 215, 225, 230</th>
<th>CHEM 231, 232 or 235</th>
<th>STAT 255 or 260</th>
<th>Science elective</th>
<th>Electives</th>
<th>Total</th>
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<th>Third Year</th>
<th>BIOL 460, 499</th>
<th>BIOL upper-level electives</th>
<th>Science electives</th>
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<th>Total units</th>
<th>Major Program</th>
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<td>3.0</td>
<td>3.0</td>
<td>16.0</td>
<td>61.0</td>
<td>First Year</td>
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<tr>
<th>Fourth Year</th>
<th>BIOL 190A, 190B</th>
<th>CHEM 101, 102</th>
<th>MATH 100 and 101, or 102 and 151</th>
<th>PHYS 102 or 112</th>
<th>Electives</th>
<th>Total</th>
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<th>Second Year</th>
<th>BIOL 299</th>
<th>BIOL 215, 225, 230</th>
<th>CHEM 231, 232 or 235</th>
<th>STAT 255 or 260</th>
<th>Science elective</th>
<th>Electives</th>
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<th>Third Year</th>
<th>BIOL upper-level electives</th>
<th>Science electives</th>
<th>Total</th>
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</table>
Electives .......................................................... 3.0  
Total ............................................................. 15.0  

**Fourth Year**  
BIOL upper-level electives 3 ............................... 6.0  
Electives .......................................................... 9.0  
Total ............................................................. 15.0  
Total units ....................................................... 60.0

**General and Minor Programs**  
**BSc**  
**First Year**  
BIOL 190A, 190B ................................................. 3.0  
CHEM 101, 102 ................................................... 3.0  
MATH 100 and 101, or 102 and 151 .................... 3.0  
PHYS 102 or 112 ................................................ 3.0  
Electives .......................................................... 3.0  
Total ............................................................. 15.0  

**Second Year**  
BIOL 215 or 225 .................................................. 1.5  
Electives ............................................................ 3.0  
Total ............................................................. 15.0  

**Third and Fourth Year**  
BIOL 200-level or above ...................................... 1.5  
BIOL upper-level electives 3 ............................... 9.0  
Electives 4 ........................................................ 19.5  
Total ............................................................. 60.0  

**BA**  
**First Year**  
BIOL 190A, 190B ................................................. 3.0  
CHEM 101, 102 ................................................... 3.0  
MATH 100, 101 ................................................... 3.0  
PHYS 102 or 112 ................................................ 3.0  
Total ............................................................. 15.0  

**Second Year**  
BIOL 215 or 225 .................................................. 1.5  
Electives ............................................................ 13.5  
Total ............................................................. 15.0  

**Third and Fourth Year**  
BIOL 200-level or above ...................................... 1.5  
BIOL upper-level electives 3 ............................... 9.0  
Electives 4 ........................................................ 19.5  
Total ............................................................. 30.0  

1. BIOL 300A or 300B may be used to fulfill the Biochemistry requirement in Biology programs; however, BIOL 299 is a prerequisite for some 300-level BIOL courses.
2. Science electives are any courses offered by the Departments of Biochemistry and Microbiology, Chemistry, Computer Science, Mathematics and Statistics, Physics and Astronomy, or the School of Earth and Ocean Sciences. Only one of EOS 350, 360, 370 may be taken for credit as a science elective.
3. Students are encouraged to seek advice regarding program requirements and prerequisites from an Undergraduate Adviser.
4. The 19.5 units of electives in third and fourth years must include 9 units of 300 level or above in second area of concentration.
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 electives .............3.0
Total BIOL and PSYC units ..........................15.0
Minimum BIOL and PSYC units .................27.0

Core Course Requirements
BIOL 190A, 190B ..............................................3.0
PSYC 100A, 100B ..............................................3.0
BIOL 225 ................................................................1.5
PSYC 201 ................................................................1.5
PSYC 210 ................................................................1.5
PSYC 215A ..........................................................1.5
Total core .........................................................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
Either Biology or Psychology thesis3
BIOL 499 and BIOL 4605 .................................4.0
or
PSYC 4996  .......................................................4.0
Total BIOL and PSYC units ..........................16.5 or 17.5
Minimum BIOL and PSYC units .................28.5 or 29.5

Elective43 ..........................................................11.0
Total units .......................................................60.0 or 61.0

Combined Honours in Biology and Psychology

The Co-operative Education Program at UVic is described in general on page 45 and specifically for the Faculty of Science on page 173.

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 MA TH 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 planning to undertake graduate studies in biology are advised to acquire experience in a research laboratory through paid, volunteer, or Directed Studies positions.
Rosemary Pule, BSc (Victoria), Administrative Officer
Monica Reimer, BSc (Calgary), Senior Laboratory Instructor
Alan W. Taylor, BSc, MSc (Victoria), PhD (British Columbia), Senior Laboratory Instructor
Nichole Taylor, BSc (Mt. Allison), MSc (Queens), Senior Laboratory Instructor

Visiting, Adjunct and Cross-listed Appointments
Terence E. Gough, BSc, PhD (Leicester), FCIC, Emeritus Professor
Careen Hamilton, BSc (McGill), PhD (Alberta), Adjunct Associate Professor
Martin R. Hocking, BSc (Albreta), PhD (Southampton), CChem, FRSCChem, FCIC, Emeritus Professor
Michael G. Ikonoumou, PhD (Albreta), Adjunct Associate Professor
Alexander D. Kirk, BSc, PhD (Edinburgh), FCIC, Emeritus and Adjunct Professor
Eric Krogh, BSc (Toronto), PhD (Victoria), Adjunct Associate Professor
Alexander McCauley, BSc, PhD, DSc (Glasgow), CChem, MRS, Chem, FCIC, Emeritus and Adjunct Professor
Robert N. O'Brien, BAC, MA (British Columbia), PhD (Manchester) Adjunct Professor
Gerald A. Poulton, BA, PhD (Saskatchewan), Emeritus 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

Chemistry General Office
Phone: 721-7152
Fax: 721-7147
E-mail: chemoff@uvic.ca
Web: <www.chemistry.uvic.ca>

Chemistry Programs

The Department of Chemistry offers a variety of programs leading to the BSc degree. These are intended to provide students with the opportunity of undertaking either specialized studies in Chemistry, or a broader program with Chemistry as a focal point supplemented by other disciplines. These programs provide preparation for a wide range of careers requiring a background in Chemistry.

The Honours and Major Programs are designed for those students wishing to embark on careers as professional chemists. In the Honours degree, a student undertakes an in-depth study of Chemistry with other supporting physical sciences. Each student will participate in a short research project in the final year of study. The Honours Program normally requires 39 units of Chemistry courses within a total of 60 units for the degree. Six units of Mathematics, 3 units of Physics, 1.5 units of Biochemistry, and 1.5 units of another science are 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, 1.5 units of Biochemistry, and 1.5 units of another science as corequisites. The degree is sufficiently specialized to present an attractive background in Chemistry to a prospective employer and to provide the opportunity for students maintaining high averages to continue to graduate school. Both the Honours and Major programs are suitable for students intending to enter a career in teaching at the secondary level.

A student may complete a Minor in Chemistry by completing the first- and second-year requirements and the third-year Chemistry courses required for the General Program in Chemistry in conjunction with the requirements for an Honours or Major Program offered by another Department (which need not be in the Faculty of Science).

The Department also offers considerable scope for students wishing to include Chemistry as part of a BSc or BA General Program. Students with this training will frequently find career opportunities in industry, at both the technical and managerial levels, as well as in business, teaching and many other occupations. The influence of Chemistry in modern society is considered in CHEM 3000, a course intended for non-scientists who have successfully completed at least 15 units of university credit.

Co-operative Education Programs
Please, see page 183.

Program Requirements
Notes on Course Requirements
- Courses may be taken in different sequences and in different years than those indicated provided the corequisite and prerequisite requirements are satisfied. However, students must be extremely careful in planning programs that differ from the normal sequence. Students who do not take CHEM 213 in the second year might find it difficult to complete their program in the normal time period.
- Safety glasses or goggles must be worn by all students in laboratories. Chemistry Department laboratory notebooks may be purchased in the University Bookstore.

Credit for Previously Offered Courses
Students with credit in the following courses which are no longer offered may make the specified substitutions in any undergraduate program:
- CHEM 100 for CHEM 091 and 101
- CHEM 124 for CHEM 101 and 102
- CHEM 140 with at least B standing for CHEM 101 and 102
- CHEM 140 with less than B standing for CHEM 101
- CHEM 145 for CHEM 245
- CHEM 224 for CHEM 222 and 245
- CHEM 230 for CHEM 231 and 232
- CHEM 233 for CHEM 231 and 235

Fourth-year Course Selection

Offered every year:

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 424, 426, 437, 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 101, or 102...............................1.5
CHEM 102 ..........................................................1.5
MATH 100, 101 ....................................................3.0
PHYS 1123 ..........................................................3.0
Electives<sup>3</sup> .........................................................6.0

Second Year
CHEM 212, 213, 222, 231, 235, 245 .....................9.0

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FACULTY OF SCIENCE

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 299 .....................................................................1.5
1.5 units of 200-level science courses with the exception of MATH 242, STAT 252, 254 unwillingly chosen from MATH 200, 201, 205, 233A, 233B, 233C, and STAT 255, 260 (maximum of 1.5 units of STAT courses may be used to satisfy this requirement).........................................................1.5

Third Year
CHEM 318, 324, 335, 347, 352, 353, 361, 362, 363, 364...............................................................15.0

Fourth Year
6 units of other 400-level CHEM courses, including at least one from each of the following groups......6.0
CHEM 421, 423, 424, 426, 432, 433, 434, 437, 454, 473
CHEM 411, 447, 455, 458, 459, 475, 476, 477, 480
CHEM 465 and 466..........................................................3.0
CHEM 499 .....................................................................3.0
Electives.........................................................................3.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 120 and 220 or PHYS 102 and 120.
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.

Major Program

First Year
CHEM 091 and 101, or 1012 ................................................1.5
CHEM 102 ......................................................................1.5
PHYS 112 ......................................................................3.0
Electives 4 .....................................................................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, STAT 255, 260 (maximum of 1.5 units of STAT courses may be used to satisfy this requirement) .........................................................3.0
BIOC 299 .....................................................................1.5
1.5 units of 200-level science courses with the exception of MATH 242, STAT 252, 254 unwillingly chosen from MATH 200, 201, 205, 233A, 233B, 233C, and STAT 255, 260 (maximum of 1.5 units of STAT courses may be used to satisfy this requirement).........................................................1.5

Third and Fourth Years
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.

General and Minor Programs

First Year
CHEM 091 and 101, or 1012 ................................................1.5
CHEM 102 ......................................................................1.5
MATH 100, 101 .............................................................3.0
PHYS 112 .................................................................3.0
Electives 4 .....................................................................6.0

Second Year
CHEM 212, 213, 222, 231, 235, 245 ........................................9.0
Electives.........................................................................6.0

Third and Fourth Years
6 units of additional Chemistry lecture courses numbered above 300 for which the required prerequisites have been taken, plus two laboratory courses .........................................................9.0
9 units in a second area of concentration..............................................9.0
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
BIOL 190A .....................................................................1.5
CHEM 091 and 101, or 1012 ................................................1.5
CHEM 102 ......................................................................1.5
ENGL 115 or 135 ................................................................1.5
MATH 100, 101 .............................................................3.0
PHYS 112 .................................................................3.0
Electives 4 .....................................................................6.0

Second Year
BIOL 225 .....................................................................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, 234 C, and STAT 255, 260 (maximum of 1.5 units of STAT courses may be used to satisfy this requirement) .........................................................1.5
MICR 200A and 200B ......................................................3.0

Third Year
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
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 the first year, and 1.5 units of these electives postponed.

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

CHEM 091 and 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 1122 .....................................................3.0
BIOC 299..........................................................1.5

Third and Fourth Years

CHEM 347, 352, 353, 364..................................6.0
CHEM 318 and 361, or 324 and 362, or 335 and 363 .................3.0
CHEM 499 ........................................................3.0
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 Program in Chemistry and Mathematics

First and Second Years

CHEM 091 and 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 1122 .....................................................3.0
BIOC 299..........................................................1.5

Third and Fourth Years

CHEM 347, 352, 353, 364..................................6.0
CHEM 318 and 361, or 324 and 362, or 335 and 363 .................3.0
MATH 325, 326, 330A, 330B, 333A ..................7.5
MATH 322 or 333C ............................................1.5
Chemistry and/or Mathematics and Statistics courses numbered 400 or higher ..................1.5
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 102 and 120 or PHYS 102 and 120.

Combined Chemistry and Earth and Ocean Sciences Program Requirements

Both Majors and Honours BSc degrees are offered in the Combined Chemistry and Earth and Ocean Sciences Program. This program exposes students to the fields of geochemistry and chemical oceanography while providing a firm basis in the principles of chemistry. Students considering this program must contact the Chemistry Department and the School of Earth and Ocean Sciences where an adviser from each discipline will be assigned. Students considering graduate studies in either Chemistry or Earth and Ocean Sciences must consult with their adviser from the appropriate discipline before making their final choices of courses.

Honours Program in Chemistry and Earth and Ocean Sciences

Students who attain a graduating GPA of at least 6.5, and a GPA of at least 6.5 over the group of required 300- and 400-level courses in Chemistry and Earth and Ocean Sciences will be granted an Honours degree “With Distinction.”

First Year

CHEM 091, 101, 1021; or 101, 1022 ..................3.0
EOS 110, 120 ..................................................3.0
MATH 100, 101 .................................................3.0
PHYS 1122 .....................................................3.0
Electives ..........................................................3.0

Second Year

CHEM 212, 213, 222, 231, 245 ......................7.5
EOS 201, 205, 240 .........................................4.5
EOS 202 or 2603 ..............................................1.5
MATH 200 or 205 ..............................................1.5

Third and Fourth Years

BIOC 299..........................................................1.5
CHEM 235, 318, 324, 352, 353 ......................9.0
Two of CHEM 361, 362, 363, 364 ...................3.0
One of CHEM 335, 361, 362, 363, 364, or any CHEM course numbered 411 or higher ..........1.5
EOS 300 or 4604 ..............................................1.5
EOS 316, 335, 403, 425, 440 ......................7.5
EOS 340 or 410 .................................................1.5
CHEM 499 or EOS 499 ..................................3.0
MATH 201 ......................................................1.5
Total 3rd & 4th ..............................................30.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 220.
4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

Major Program in Chemistry and Earth and Ocean Sciences

First Year

CHEM 091, 101, 1022; or 101, 1022 ..................3.0
EOS 110, 120 ..................................................3.0
MATH 100, 101 .................................................3.0
PHYS 1122 .....................................................3.0
Electives ..........................................................3.0

Second Year

CHEM 212, 213, 222, 231, 245 ......................7.5
EOS 201, 205, 240 .........................................4.5
EOS 202 or 2603 ..............................................1.5
MATH 200 or 205 ..............................................1.5

Third and Fourth Years

BIOC 299..........................................................1.5
CHEM 235, 318, 324, 352, 353 ......................7.5
Three of CHEM 347, 361, 362, 363, 364 ...........4.5
EOS 300 or 4604 ..............................................1.5
EOS 316, 335, 403, 425, 440 ......................7.5

Electives ..........................................................4.5
Total 3rd & 4th ..............................................30.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 220.
4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

Chemistry Co-op Program Requirements

The Chemistry Co-operative Education Program in the Faculty of Science is described on page 173.

Chemistry Co-op Program Requirements

To enter and remain in the Chemistry Co-operative Education Program, students must normally maintain a GPA of 4.5 in Chemistry courses and overall. Students are also required to complete satisfactorily a minimum of four work terms. A student may at any time during an academic term transfer from the Chemistry Co-operative Education Program to a regular Chemistry program.

Students in the Co-op program may commence work terms after one full year of course work, and normally will alternate terms of academic study and work experience, with the following conditions:

1. Students’ work terms must include work with at least three different employers.
2. Two consecutive work terms (totaling 8 months) may be included with permission, but not for the first work-term experience.
3. Two of the work terms must be subsequent to the student passing all required 100- and 200-level chemistry courses and 3.0 units of third-year chemistry courses.

Students who do not take CHEM 213 in the second year might find it difficult to complete their program in the normal time period.

Each work term is recorded on the student’s academic record and transcript (as COM, N or F).

Some employers keep work term reports confidential, but at least two work term reports must be evaluated as satisfactory by the Department in order to complete the program.
School of Earth and 
Ocean Sciences

Kathryn M. Gillis, BSc (Queen's), PhD (Dal), Professor and Director of the School
Dante Canil, BSc (Windsor), PhD (Alta), Professor
N. Ross Chapman, BSc (McM), PhD (UBC), Professor
Stanley E. Dosso, BSc, MSc (UVic), PhD (UBC), Professor
Christopher J.R. Garrett, BA, PhD (Canad), FRSC, FRSC, Lansdowne Professor of Ocean Physics
S. Kim Juniper, BSc (Alta), PhD (Canad), Professor (BC Leadership Chair)
Eric Kunze, BSc (UBC), PhD (Wash), FRSC, Professor (Canada Research Chair)
Thomas E. Pedersen, BSc (UBC), PhD (Edin), FRSC, Professor and Dean of Science
George D. Spence, BSc (Calgary), MSc, PhD (UBC), Professor
Verena J. Tummler, BSc (McM), M Phil, PhD (Yale), FRSC, Professor (Canada Research Chair) and Project Director, VENUS
Andrew J. Weaver, BSc (UVic), PhD (UBC), FRSC, Professor (Canada Research Chair)
Michael J. Whitican, BSc (UBC), PhD (Christian Albrechts), Professor
Joseph M. Dower, BSc (Memorial), PhD (UVic), Associate Professor
Stephen Johnston, BSc (McGill), MSc, PhD (Alta), Associate Professor
Adam Monahan, BSc (Calgary), MSc, PhD (UBC), Associate Professor
Kevin Telmer, BSc (W. Ontario), PhD (Ontario), Associate Professor
Laurence Coogan, BSc (Liverpool), PhD (Leicester), Assistant Professor
Jay Cullen, BSc (McGill), PhD (Rutgers), Assistant Professor
Robert A. Hamme, BA (Pomona), MSc, PhD (Dal), Assistant Professor
Jody M. Klymak, BSc (Calgary), MSc, PhD (Wash), Assistant Professor
Katrin Meissner, PhD (Bremen), Assistant Professor
George D. Spence, BSc, MSc, 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 (Ottawa), FRSC, PGeo, Emeritus Professor and Project Director, NEPTUNE
J. Vaughn Barrie, BSc, MSc, PhD (Wales), Professor, Limited Term
Mairi Best, BSc (Laurentian), PhD (Chicago), Assistant Professor, Limited Term
Melvin E. Best, BSc, MSc (UBC), PhD (MIT), Adjunct Professor
George J. Boer, BSc (UBC), MA (Bristol), PhD (Mass), Professor, Limited Term
Brian Bornhold, BSc (Wash), MA (Duke), PhD (MIT), Professor, Limited Term
John E. Cassidy, BSc (UVic), MSc, PhD (UBC), Associate Professor, Limited Term
James R. Christian, BSc, MSc, PhD (Wash), Assistant Professor, Limited Term
William R. Crawford, BSc, MSc, PhD (Wash), Professor, Limited Term
Kenneth L. Denman, BSc (Calgary), PhD (UBC), FRSC, Professor, Limited Term
Richard Dewey, BSc (UVic), PhD (UBC), Assistant Professor, Limited Term
Herbert Dragert, BSc (Toronto), MSc, PhD (UBC), Professor, Limited Term
Gregory M. Flato, BSc, MSc (Alta), PhD (Dartmouth College, USA), Associate Professor, Limited Term
Michael G.G. Foreman, BSc (Queen's), MSc, PhD (UVic), PhD (UBC), 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
Richard J. Hebdon, BSc (McM), MSc, PhD (Calgary), Associate Professor, Limited Term
Philip Hill, BA (Oxford), PhD (Dal), Professor, Limited Term
Roy D. Hyndman, BSc, MSc, PhD (ANU), FRSC, Professor, Limited Term
Debbie Ianson, BSc, MSc, PhD (UBC), Assistant Professor, Limited Term
Thomas James, BSc (Queen's), PhD (Princeton), Associate Professor, Limited Term
Homin Kao, BSc (Taiwan), MSc, PhD (UIC), Associate Professor, Limited Term
David Lefebure, BSc (Queen's), MSc, PhD (Calgary), Professor, Limited Term
Raymond Lett, BSc (London), MSc (Leicester), PhD (Dublin), Professor, Limited Term
Victor Levson, BSc (Calgary), MSc, PhD (Alta), Associate Professor, Limited Term
Rolf G. Lueck, 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
Stephanie Mazzotti, BSc (Paris XI), MSc, PhD (École Norm. Sup., Paris), Associate Professor, Limited Term
Norman McFarlane, BSc (Alta), MSc (McGill), PhD (Mich), Professor, Limited Term
Fiona McLaughlin, BSc, MSc, PhD (UVic), Assistant Professor, Limited Term
William J. Merryfield, BSc (Stanford), PhD (Colorado), Associate Professor, Limited Term
Suzanne Paradis, BSc (UQ), MSc, PhD (Calgary), Professor, Limited Term
Jonathan 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 (Washington), PhD (UBC), Professor, Limited Term
Kristin M. Rohn, BA (Brown), PhD (MIT/WHOI), Associate Professor, Limited Term
Peter Ross, BSc (Trent), MSc (Washington), PhD (Utrecht), Associate Professor, Limited Term
Oleg Saenko, BSc (OSEU, Ukraine), PhD (MHI NASU, Ukraine), Assistant Professor, Limited Term
John E. Scinocca, BSc, MSc, PhD (Tor), Professor, Limited Term
George J. Simmonds, BSc (Concordia), MSc (Carlf), PhD (Ecole Poly. Montreal), Associate Professor, Limited Term
Robert Thompson, BSc, PhD (Queen's), Professor, Limited Term
Richard Thomson, BSc, 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. Ontario), Professor, Limited Term
John T. Weaver, BSc (Brist), MSc, PhD (Sask), Emeritus Professor
David Welch, BSc (Brist), PhD (Dal), Professor, Limited Term
Michael J. Wilmut, BSc (Concordia), MSc, PhD (Queen's), Adjunct Professor
C.S. Wong, BSc, MSc (Hong Kong), PhD (Scripps), FRSC, Professor, Limited Term
Hidekatsu Yamazaki, BE (Tokai), PhD (Texas A & M), Adjunct Professor

School of Earth and Ocean Sciences
General Office: 721-6120
Fax: 721-6200
E-mail: seosuvic@uvic.ca
Web: <www.seos.uvic.ca>
Earth and Ocean Sciences Programs

The School offers the following BSc degree programs:
- General, Minor, Major and Honours in Earth Sciences
- Combined Major and Honours in Physics and Earth Sciences (Geophysics)
- Combined Major and Honours in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)
- Combined Major and Honours in Geography and Earth and Ocean Sciences
- Combined Major and Honours in Physical Geography and Earth and Ocean Sciences
- Combined Major and Honours in Biology and Earth and Ocean Sciences
- Minor in Ocean Sciences

The Earth Sciences programs require a core of earth sciences courses, corequisite courses in the other sciences, and a selection of electives suited to the interests of individual students.

Combined Honours and Major programs offered in collaboration with the Department of Physics and Astronomy provide specialization in either Geophysics or Ocean-Atmosphere Dynamics and allow students to apply basic principles of Physics and Mathematics to fundamental global processes affecting the earth and oceans.

Combined Honours and Major programs offered in collaboration with the Department of Chemistry expose students to the fields of geochemistry while providing a firm basis in the principles of chemistry.

Combined Honours and Major programs offered in collaboration with the Department of Geography are aimed at students whose interests span the fields of Physical Geography and Earth Sciences.

Combined Honours and Major programs offered in collaboration with the Department of Biology offer students the opportunity to combine interests in both disciplines.

Students may take a Minor Program in Earth and Ocean Sciences along with a Major or Honours Program in another discipline. Such interdisciplinary programs may be advantageous to students considering a postgraduate degree in Environmental Studies, Geophysics, Geography, Oceanography, Atmospheric Sciences or Education. Students intending to pursue research or continue their studies for MSc or PhD degrees should consider the Honours Programs.

The distinctive character of the BSc General Program is the breadth of course options possible. Students in this program combine a concentration in Earth Sciences with one in another science area (BSc) or an arts area (BA).

The Minor in Ocean Sciences is intended to provide students with a broad overview of oceanography, focusing on its essentially interdisciplinary nature.

Professional Registration

Completion of the Earth Science Honours or Major program, with an appropriate selection of courses (including a geomorphology elective), is intended to fulfill the academic requirements for designation as a Professional Geoscientist (RGeo.) under the discipline of Geology from the Association of Professional Engineers and Geoscientists of BC (APEGBC). The Combined Physical Geography and Earth and Ocean Science program, with an appropriate selection of courses, is intended to fulfill the APEGBC academic requirements for RGeo. designation under the discipline of Environmental Geoscientist. APEGBC has requirements of students beyond course work, and reserves the right to set standards and change requirements at any time. Therefore, the School of Earth and Ocean Sciences, Department of Geography, and University of Victoria assume no responsibility for students’ acceptance into APEGBC during or after completion of their program. For more information, see the SEOS website <www.seos.uvic.ca/aPEG.htm> and the APEGBC website <www.aPEG.bc.ca>.

Co-operative Education Programs

Please, see page 188.

Program Requirements

Course Availability and Information

Students should consult the School concerning courses offered in any particular year. Some fourth-year courses are offered in alternate years.

The names of course instructors, together with the required and recommended texts for each course, are available from the School.

Field Courses

Earth Sciences 300 and 400 are scheduled outside of the normal term time at off-campus locations on dates specified by the School. Students are required to meet part of the expenses involved and will be advised of such expenses during the Fall term. Students should contact the School for further information.

Honours Programs

Students will normally apply for admission to the SEOS Honours Program at the end of the third year of their undergraduate Earth Sciences Program, although they may apply as early as the end of their second year and as late as the beginning of their last year. The general requirement for admission to the Honours Program is a cumulative GPA of 5.5 in the Earth Sciences Program at the time of application. While enrolled in the Honours Program, students in SEOS must maintain a sessional GPA of 5.5 and a course load of at least 6.0 units per term.

Honours Graduation Standing

An Honours degree “With Distinction” requires:
- a graduating GPA of at least 6.5
- a GPA of at least 6.5 in 300- and 400-level EOS courses, including a minimum grade of A- in EOS 499

An Honours degree requires:
- a graduating GPA of at least 5.5
- a GPA of at least 5.5 in 300- and 400-level EOS courses, including a minimum grade of B+ in EOS 499

If a student fails to meet the standards for the Honours degree, while meeting the Major degree requirements, the student may graduate with the appropriate Major degree.

2008-09 UVIC Calendar

Minor in Ocean Sciences

A student may declare a Minor in Ocean Sciences when enrolled in an Honours, Major, or General Program offered by SEOS or another department or school (which need not be in the Faculty of Science), along with the following courses:
- EOS/GEOG 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 term, involving a substantial seagoing component. Students should normally consult the School’s Ocean Science Advisor 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>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>EOS 110, 120 ...................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>BIOL 150A or 190A1 ................................................................ 1.5</td>
</tr>
<tr>
<td></td>
<td>CHEM 101, 102 .................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100, 101 .................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>PHYS 112 ......................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives ...................................................................... 1.5</td>
</tr>
<tr>
<td></td>
<td>Total: ................................................................. 15.0</td>
</tr>
<tr>
<td>Second</td>
<td>EOS 201, 202, 205, 210, 240, 260 .................................. 9.0</td>
</tr>
<tr>
<td></td>
<td>CHEM 245 ........................................................................ 1.5</td>
</tr>
<tr>
<td></td>
<td>MATH 200 or 205, 201 ................................................................ 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives .................................................................... 1.5</td>
</tr>
<tr>
<td></td>
<td>Total: ................................................................. 15.0</td>
</tr>
<tr>
<td>Third</td>
<td>EOS 300, 311, 316, 330, 335, 340 .................................... 9.0</td>
</tr>
<tr>
<td></td>
<td>One of EOS 408, 425, 431 ........................................... 1.5</td>
</tr>
<tr>
<td></td>
<td>STAT 260 ....................................................................... 1.5</td>
</tr>
<tr>
<td></td>
<td>Electives .................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Total: ................................................................. 15.0</td>
</tr>
<tr>
<td>Fourth</td>
<td>EOS 400, 410, 460 ................................................................ 4.5</td>
</tr>
<tr>
<td></td>
<td>EOS 499 ........................................................................ 3.0</td>
</tr>
<tr>
<td></td>
<td>EOS upper-level electives ............................................. 4.5</td>
</tr>
<tr>
<td></td>
<td>Electives .................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Total: ................................................................. 15.0</td>
</tr>
</tbody>
</table>

1. Students who have completed Biology 11 and 12 should take BIOL 190A.
2. Physics requirement may also be satisfied by PHYS 102 and 120 or PHYS 120 and 220.
3. Students should consider taking BIOL 215 as one of their electives.

Major in Earth Sciences

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>EOS 110, 120 ...................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>BIOL 150A or 190A1 ................................................................ 1.5</td>
</tr>
<tr>
<td></td>
<td>CHEM 101, 102 .................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100, 101 .................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>PHYS 112 ......................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives ...................................................................... 1.5</td>
</tr>
<tr>
<td></td>
<td>Total: ................................................................. 15.0</td>
</tr>
</tbody>
</table>
### Combined Honours in Physics and Earth Sciences (Geophysics)

**First Year**
- 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
- Electives1 ......................................... 1.5
- Total ................................................ 15.0

**Second Year**
- EOS 201, 202, 205 ............................ 4.5
- EOS 210 or PHYS 210 ........................ 1.5
- MATH 200, 201, 233A ......................... 4.5
- PHYS 214, 215, 216 ......................... 4.5
- PHYS 2201 ........................................ 1.5
- Total ................................................ 15.0

**Third Year**
- EOS 300 ............................................ 1.5
- MATH 323 or 325 ............................... 1.5
- MATH 326, 330A, 330B ....................... 4.5
- PHYS 321A, 321B, 325, 326 ............... 6.0
- Electives2 .......................................... 3.0
- Total ................................................ 16.5

**Fourth Year**
- EOS 410, 480 ..................................... 3.0
- EOS 427 or PHYS 427 ........................ 1.5
- PHYS 317, 321, 323, 325, 326 .......... 9.0
- Electives2 .......................................... 3.0
- Total ................................................ 18.0

---

1. Only for students who took PHYS 112.
2. In choosing electives, it is recommended that students consider the prerequisite requirements for EOS or PHYS electives in Year 4.

### Combined Physics and Ocean Sciences (Ocean-Atmosphere Dynamics) Program Requirements

Admission to the Combined Physics and Ocean Sciences (Ocean-Atmosphere Dynamics) Program requires the permission of both the Department of Physics and Astronomy and the School of Earth and Ocean Sciences.

**First Year**
- PHYS 120 and PHYS 121 .................... 6.0
- MATH 100 or MATH 101 ..................... 3.0
- CHEM 101 ........................................ 3.0
- EOS 101, 102 .................................... 3.0
- Electives .......................................... 3.0
- Total ................................................ 15.0

**Second Year**
- EOS 201, 202, 205 ............................ 4.5
- EOS 210 or PHYS 210 ........................ 1.5
- MATH 200, 201, 233A ......................... 4.5
- PHYS 214, 215, 216 ......................... 4.5
- PHYS 2201 ........................................ 1.5
- Total ................................................ 15.0

**Third Year**
- EOS 300 ............................................ 1.5
- MATH 323 or 325 ............................... 1.5
- MATH 326, 330A, 330B ....................... 4.5
- PHYS 321A, 321B, 325, 326 ............... 6.0
- Electives .......................................... 1.5
- Total ................................................ 16.5

**Fourth Year**
- EOS 410, 480 ..................................... 4.5
- EOS 427 or PHYS 427 ........................ 1.5
- PHYS 317, 321, 411 ........................... 4.5
- EOS or PHYS electives3 ...................... 4.5
- Electives .......................................... 1.5
- Total ................................................ 15.0

---

1. Only for students who took PHYS 112.
2. In choosing electives, it is recommended that students consider the prerequisite requirements for EOS or PHYS electives in Year 4.
2. PHYS 242 is strongly recommended in second year. EOS 210 or PHYS 210 and CSC 115, 225, 230 are also recommended.

3. Chosen from PHYS courses numbered 300 and above, in consultation with the Department of Physics and Astronomy.

**Combined Major in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>EOS 110, 120</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>CHEM 101, 102</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>CSC 110</strong></td>
<td>1.5</td>
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<td></td>
<td><strong>MATH 100, 101</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>PHYS 120 and 220; or 112</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

| **Second Year** | **EOS 340**                                                          | 1.5 |
|                | **MATH 200, 201, 233A**                                               | 4.5 |
|                | **PHYS 214, 215, 216, 220**                                           | 4.5 |
|                | **PHYS 220**                                                          | 1.5 |
|                | **Electives**                                                         | 3.0  or 4.5 |
| **Total:**      |                                                                     | **15.0** |

| **Third Year** | **MATH 323 or 325**                                                   | 1.5  |
|               | **MATH 326, 330A, 330B**                                              | 4.5  |
|               | **PHYS 317, 321A, 325, 326**                                          | 6.0  |
|               | **Electives**                                                         | 7.5  |
| **Total:**     |                                                                     | **15.0** |

| **Fourth Year** | **EOS 431, 433**                                                    | 3.0 |
|                | **PHYS 323, 411, 426**                                               | 4.5 |
|                | **Electives**                                                        | 7.5 |
| **Total:**      |                                                                     | **15.0** |

1. Only for students who took PHYS 112.
2. PHYS 242 is strongly recommended in second year. EOS 210 or PHYS 210 and CSC 115, 225, 230 are also recommended.

**Combined Chemistry and Earth and Ocean Sciences Program Requirements**

**Combined Honours in Chemistry and Earth and Ocean Sciences**

Admission to the Combined Honours Chemistry and Earth and Ocean Sciences Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>EOS 110, 120</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>CHEM 091, 101, 102(^1); or 101, 102(^2)</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>MATH 100, 101</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>PHYS 201, 205, 240</strong></td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 102 and 120 or PHYS 120 and 220.
4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

**Combined Major in Chemistry and Earth and Ocean Sciences**

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>EOS 110, 120</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>CHEM 091, 101, 102(^1); or 101, 102(^2)</strong></td>
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<tr>
<td></td>
<td><strong>MATH 100, 101</strong></td>
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<tr>
<td></td>
<td><strong>PHYS 112(^2)</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

| **Second Year** | **EOS 201, 205, 240**                                                | 4.5   |
|                | **EOS 202 or 260\(^1\)**                                              | 1.5   |
|                | **CHEM 212, 213, 222, 231, 245**                                       | 7.5   |
| **Total:**      |                                                                     | **15.0** |

1. Only for students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 102 and 120 or PHYS 120 and 220.
4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

**Third and Fourth Years**

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>EOS 300 or 460(^1)</strong></td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td><strong>EOS 316, 335, 403, 425, 440</strong></td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td><strong>EOS 340 or 410</strong></td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td><strong>BIOC 299</strong></td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td><strong>CHEM 235, 318, 324, 347, 352, 353</strong></td>
<td>9.0</td>
</tr>
<tr>
<td></td>
<td>Two of CHEM 361, 362, 363, 364</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>One of CHEM 335, 361, 362, 363, 364, or any CHEM course numbered 411 or higher</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td><strong>MATH 201</strong></td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

1. Only for students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 102 and 120 or PHYS 120 and 220.
4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

**Combined Major in Physical Geography and Earth and Ocean Sciences**

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>EOS 110 or GEOG 110; EOS 120 or GEOG 120</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>CHEM 101, 102</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>GEOG 101A</strong></td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td><strong>MATH 100, 101</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>PHYS 112(^1)</strong></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

| **Second Year** | **EOS 201, 202, 205, 210, 240**                                        | 7.5   |
|                | **CHEM 245**                                                          | 1.5   |
|                | **GEOG 222, 376**                                                    | 3.0   |
|                | **MATH 201, 205**                                                    | 3.0   |
| **Total:**      |                                                                     | **15.0** |

1. Physics requirement may also be satisfied by PHYS 102 and 120 or PHYS 120 and 220.
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).
**FACULTY OF SCIENCE**

**MATH 201, 205 ........................................................ 3.0**

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

**Third and Fourth Years**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 316, 340</td>
<td>3.0</td>
</tr>
<tr>
<td>EOS 300 or GEOG 477</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>GEOG 228, 379</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of EOS 335, 410, 425, 480</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of GEOG 319, 322, 325, 328</td>
<td>3.0</td>
</tr>
<tr>
<td>STAT 260 or GEOG 226</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level EOS or GEOG electives</td>
<td>6.0</td>
</tr>
<tr>
<td>Electives</td>
<td>6.0</td>
</tr>
</tbody>
</table>

**Total: ................................................................... 30.0**

1. Physics requirements may also be satisfied by PHYS 102 and 120; or PHYS 120 and 220.
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 prior to registering in GEOG 226 or STAT 260 (see page 32).

**Combined Biology and Earth and Ocean Sciences Program Requirements**

**Notes on Course Requirements**

1. Biology 11 and 12 are normally required for entry into the Combined Biology and Earth and Ocean Sciences program. Students without Biology 11 and 12 are required to take BIOL 150A and B.
2. Students should note that EOS 240 is a prerequisite for several upper-level EOS courses (EOS 310, 320, 425, 430, 440, 450).

**Combined Honours in Biology and Earth and Ocean Sciences**

Admission to the Combined Honours Biology and Earth and Ocean Sciences Program requires the permission of both the Department of Biology and the School of Earth and Ocean Sciences. To receive an Honours degree, a student must obtain: (1) a minimum graduating GPA of 5.5 overall; (2) a minimum GPA of 6.0 in EOS or Biology courses at the 300 and 400 level; and a minimum grade of A in BIOL 499 or EOS 499. An Honours degree, with distinction, will be awarded to students who, in addition, obtain a minimum graduating GPA of 6.5.

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 110, 120</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 190A, 190B</td>
<td>3.0</td>
</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 102 or 112; or 120 and 220</td>
<td>3.0</td>
</tr>
</tbody>
</table>

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

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 201, 205, 240</td>
<td>4.5</td>
</tr>
<tr>
<td>EOS 202 or 260</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOC 299 or BIOL 230</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 215, 225</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 231, 245</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 205</td>
<td>1.5</td>
</tr>
</tbody>
</table>

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

**Third and Fourth Years**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 300 or 460</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 330, 333</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 370 or 455</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 201</td>
<td>1.5</td>
</tr>
<tr>
<td>STAT 255 or 260</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS upper-level electives</td>
<td>6.0</td>
</tr>
<tr>
<td>BIOL upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>Science upper-level electives</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
</tbody>
</table>

**Total: ................................................................... 30.0**

1. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).
2. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).
3. Recommended courses include EOS 403, 425, 440, 480.
4. Recommended courses include EOS 311 or BIOL 311, BIOL 418, 426, 427, 435, 438, 446.

**Combined Major in Biology and Earth and Ocean Sciences**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 110, 120</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 190A, 190B</td>
<td>3.0</td>
</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 102 or 112; or 120 and 220</td>
<td>3.0</td>
</tr>
</tbody>
</table>

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

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 201, 205, 240</td>
<td>4.5</td>
</tr>
<tr>
<td>EOS 202 or 260</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOC 299 or BIOL 230</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 215, 225</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 231, 245</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 205</td>
<td>1.5</td>
</tr>
</tbody>
</table>

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

**Third and Fourth Years**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 300 or 460</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 330, 333</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 370 or 455</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 201</td>
<td>1.5</td>
</tr>
<tr>
<td>STAT 255 or 260</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS upper-level electives</td>
<td>6.0</td>
</tr>
<tr>
<td>BIOL upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>Science upper-level electives</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
</tbody>
</table>

**Total: ................................................................... 30.0**

1. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).
2. Recommended courses include EOS 403, 425, 440, 480.
3. Recommended courses include EOS 311 or BIOL 311, BIOL 418, 426, 427, 435, 438, 446.

**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, government, and 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 173.

**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 formal interview. A student is required to complete satisfactorily at least four work terms, each of which will be recorded on the student's academic record and transcript (as COM, N, 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-operative 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 (UVic), PhD (SFU), Professor and Chair of the Department
Florin N. Diaconu, MMath (Bachareste), PhD (Heidelberg), Professor
Jing Huang, MSc (Acad Sinica), PhD (SFU), Professor
Reinhard Illner, Dip (Heidelberg), PhD (Bonn), Professor
Mary Lesperance, BA (Windsor), BSc (UVic), MMath, PhD (Waterloo) Professor
Christina Mynhardt, BA, MA, PhD (Rand Afrikaans Univ.), Professor
John Phillips, BSc (UVic), MA, PhD (Ore), Professor
Ian E. Putnam, BSc (UVic), PhD (Calif, Berk), FRSC, Professor and CRC
The Major in Mathematics is a program broadly intended for students of above-average ability. Students who plan to undertake graduate work in mathematics, discrete mathematics, and statistics or Statistics with another field in Science (or with Geography or Psychology), see page 172. 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 141 or page 201, 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 192.

**Program Requirements**

**Notes on Course Requirements**

1. Any student who has been awarded a UBC-SFU-UVIC-UNBC Calculus Examination Certificate can receive credit for MATH 100 with the latter 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. 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-
Honours in Statistics

Minor may be declared on any degree program. Regulations for Minor programs, page 173. Only one Mathematics or Statistics course at the same level or higher. See Faculty of Science regulations.

Honours or Major Program may be replaced by another Mathematics or Statistics course at the higher level. See Faculty of Science regulations.

This set of courses must include at least 9 units 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.

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 330A, 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.

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 173. 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, 333A, 377
- STAT 350, 353, 354, 453
- 4.5 additional units of Mathematics and Statistics courses numbered 300 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 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 and Statistics Departments. Each student will be assigned an adviser from each of these Departments. Students considering proceeding to graduate work in either Chemistry or Mathematics must consult with their advisers prior to making their final choice of courses.

Honours: Chemistry and Mathematics

A student graduating in the combined Honours program is required to obtain a 6.5 or higher graduating GPA and a GPA of 6.5 or higher over the group of required 300- and 400-level courses in Chemistry and Mathematics in order to obtain an Honours degree “With Distinction.”

First and Second Years

BIOC 299.................................................................1.5
CHEM 091, 101, or 1012....................................1.5
CHEM 102, 212, 213, 222, 231, 235, 245.........10.5
CSC 110, 115 (or 242)........................................3.0
MATH 100, 101, 122, 200, 201, 233A, 233C.....10.5
PHYS 113.............................................................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, 454A, 455B.........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 299 ................................................................. 1.5
CHEM 091, 101A or 101B ........................................ 1.5
CHEM 102, 212, 213, 222, 231, 235, 245 .......... 10.5
CSC 110, 115 (or 242) ...................................... 3.0
MA TH 100, 101, 122, 200, 201, 233A, 233C .... 10.5
PHYS 112 .............................................................. 3.0

Third and Fourth Year
CHEM 347, 352, 353, 364 ..................................... 6.0
CHEM 310 and 361, or 324 and 362, or 335
and 363 ................................................................ 3.0
MA TH 322 or 333C ............................................. 1.5
Chemistry 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 adviser from each of these Departments. Students considering future graduate work in Computer Science, Mathematics or Statistics must consult with their advisers prior to making their final choice of courses.

Students who wish to be admitted to one of the Combined Honours programs should apply in writing to the Honours Advisers of the department on completion of their second year. Normally a student 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 MA TH 333A and 334
   for the Mathematics option, or STAT 350 and 353 for the Statistics option),
   and have obtained a GPA of at least 6.0 in all 300-level
   Computer Science, Mathematics and Statistics courses taken.

Honours students are expected to maintain a GPA of at least 5.0 in their third year to remain in the program.

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
MA TH 100, 101, 122 ........................................ 4.5
ENGL 115 or 135 .............................................. 1.5
ENGR 240 ...................................................... 1.5
MA TH 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
MA TH 334, 343, 438 ........................................ 4.5
MA TH 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 ................................. 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
MA TH 100, 101, 122 ........................................ 4.5
ENGL 115 or 135 .............................................. 1.5
ENGR 240 ...................................................... 1.5
MA TH 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
MA TH 330A, 330B .......................................... 3.0
MA TH 333A and one of 322, 333C ................. 3.0
CSC 320, 326, 349A, 349B ......................... 6.0
Courses chosen from the Departments of
   Computer Science and Mathematics and
   Statistics at the 300 level or above with at least
   6 units at the 400 level.

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.

Honours: Computer Science and Statistics

First and Second Years
MA TH 100, 101, 122 ........................................ 4.5
ENGL 115 or 135 .............................................. 1.5
ENGR 240 ...................................................... 1.5
MA TH 200 (or 205), 201, 222, 233A ......... 6.0
STAT 260, 261 .................................................. 3.0
CSC 110, 115 ................................................... 3.0
CSC 212, 225, 230 ........................................... 4.5
SENG 265 ........................................................ 1.5

Third and Fourth Years
STAT 350, 353, 450 ........................................... 4.5
Three of MA TH 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 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.

Major: Computer Science and Statistics

First and Second Years
MA TH 100, 101, 122 ........................................ 4.5
ENGL 115 or 135 .............................................. 1.5
ENGR 240 ...................................................... 1.5
MA TH 200 (or 205), 201, 222, 233A ......... 6.0
STAT 260, 261 .................................................. 3.0
CSC 110, 115 ................................................... 3.0
CSC 212, 225, 230 ........................................... 4.5
SENG 265 ........................................................ 1.5

Third and Fourth Years
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 level 2 .................. 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. A student gradu-
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 Physics and Mathematics in order to obtain an Honours degree "With Distinction."

<table>
<thead>
<tr>
<th>First and Second Years</th>
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<tbody>
<tr>
<td>MATH 100, 101, 122</td>
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</tr>
<tr>
<td>MATH 200, 201, 233A, 233C</td>
<td>6.0</td>
</tr>
<tr>
<td>PHYS 120 and 220, or 112 and 220</td>
<td>3.0 or 4.5</td>
</tr>
<tr>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
</tr>
<tr>
<td>CSC 110</td>
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<tr>
<td>CHEM Electives</td>
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<tr>
<td>Electives</td>
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<table>
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<tbody>
<tr>
<td>MATH 325, 326, 333A, 333C, 334</td>
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<tr>
<td>MATH 434, 438 (or 330B), 445A, 445B</td>
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</tr>
<tr>
<td>PHYS 313 or 314</td>
<td>1.5</td>
</tr>
<tr>
<td>PHYS 317, 321A, 321B, 323, 325, 326</td>
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<td>PHYS 410, 421, 422, 423</td>
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<td>PHYS 460</td>
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<td>PHYS electives</td>
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The 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.

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<tbody>
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<td>CSC 110, 115</td>
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<tr>
<td>ECON 103, 104</td>
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<td>MATH 100, 101, 122</td>
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<td>First year English</td>
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<td>Electives</td>
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<table>
<thead>
<tr>
<th>Second year</th>
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</thead>
<tbody>
<tr>
<td>ECON 203, 204, 225</td>
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<tr>
<td>MATH 200, 201, 233A</td>
<td>4.5</td>
</tr>
<tr>
<td>STAT 260, 261</td>
<td>3.0</td>
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<tr>
<td>COM 240, 270</td>
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<table>
<thead>
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<tbody>
<tr>
<td>ECON 305, 313, 365, 366, 435</td>
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<tr>
<td>MATH 352, 377, 348</td>
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</table>

<table>
<thead>
<tr>
<th>Fourth year</th>
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</thead>
<tbody>
<tr>
<td>ECON 454, 468</td>
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<tr>
<td>MATH 452, 477</td>
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<tr>
<td>STAT 457</td>
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<td>Electives</td>
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<td>Total:</td>
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</table>

The Mathematics and Statistics Cooperative Education Program

The Co-operative Education Program in the Faculty of Science is described on page 173. 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 88. Students are normally admitted to the program in January, after their first term on campus, and application for admission should be made before the end of the first term. However, a student may be admitted to the program up to the end of his or her second year. A student will be admitted to a Co-op program only if there is a satisfactory schedule of academic terms and work terms that will enable the student to complete all co-op requirements.

Students registered in the Co-op Program normally must be enrolled in at least 6 units of course work during each academic term. The performance of students will be reviewed after each academic term and each work term. Students who fail to achieve satisfactory standing on an academic term or satisfactory completion of a work term may be required to withdraw from the program.

Each work term is recorded on the student's academic record and transcript. The granting of work term credit by challenge is permitted and is governed by the co-op regulations (page 45). 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, BA Sc (Tor), PhD (Prin), Professor

Christopher J.R. Garrett, BA, PhD (Cantab), FRSC, FRSC, Lansdowne Professor of Ocean Physics

Dean Karlen, BSc (Alberta), PhD (Mclean), R. M. Pearce Professor of Physics

Richard K. Keefer, BSc (McGill), MSc, PhD (Mclean), Professor

Robert V. Kowalewski, BS (Toronto), PhD (Cornell), Professor

Michel Lefebvre, BSc (Laval), PhD (Cantab), Professor

Eric L. Kunze, BSc (UBC), MSc, PhD (Washington), Professor

Julio Navarro, Bsc, PhD (Universidad Nacional de Cordoba), CIAR Scholar and Professor

Christopher J. Pritchett, BSc (Sask), MSc, PhD (Alb), Professor

Don A. Vandenberg, BSc (Leth), MSc (Uvic), PhD (ANU), FRSC, Professor

Arthur Wattton, BSc (Mc Coll, Lond), PhD (McMaster), Professor

Byoung-Chul Choi, Diplom (Aachen), PhD (Freie Universitat), 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

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 I. Jirasek, BSc (Calg), MSc (Guelph), PhD (UBC), Assistant Professor

Jody M. Klimkow, BSc (Uvic), MSc, PhD (Washington), Assistant Professor
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 197.

PROGRAM REQUIREMENTS
Notes on Course Requirements
- The course sequences below are designed for a four-year program. Students in the Co-op program will take longer than four years and should consult the Co-op supervisor. Others may consult the undergraduate adviser.
- Physics 12 and Mathematics 12 are required for entry into the Physics and Astronomy undergraduate programs. For all sequences, PHYS 12 is intended for students planning a career in Physics or Astronomy and who have attained at least a B standing in each of Physics 12 and Mathematics 12.
- Those with less than a B standing and planning a career in Physics or Astronomy, or those planning a career in some other Physical Science (such as Chemistry or Earth and Ocean Sciences), should take PHYS 112.
- Students planning to take Honours programs should normally also have completed Chemistry 11 and 12. Advanced placement is available for students with high standing in both Mathematics 12 and Physics 12.
- Students should consult the timetable or the Department to confirm which courses are offered in any particular term.
- Where consent of the Department is specified as a course prerequisite, this consent must be obtained from the Department Chair or the Chair’s nominee.
- A student may obtain at most 4.5 units of credit from 100-level Physics courses.

Honours Programs: General Regulations
- Admission to the third and fourth years of the Honours programs requires the permission of the Department.
- Admission to the Combined Honours Physics and Mathematics program requires the permis-
Major Programs: General Regulations
- For any Major program in the Department, the course grades used in calculating the GPA on which the type of degree is based must include those for all courses (including departmental electives) numbered 300 and above that are specified by the Department.
- Major degrees will be designated "With Distinction" if the student's GPA is at least 6.5.

Physics Programs: Course Requirements
Honours Program in Physics

<table>
<thead>
<tr>
<th>Year 1</th>
<th></th>
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</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>
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<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>

<table>
<thead>
<tr>
<th>Year 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
</tr>
<tr>
<td>PHYS 2201</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 200, 201 and 233A</td>
<td>4.5</td>
</tr>
<tr>
<td>Electives2</td>
<td>4.5 or 6.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>PHYS 317, 321A, 325, 326</td>
<td>6.0</td>
</tr>
<tr>
<td>MATH 330A, 330B and 326</td>
<td>4.5</td>
</tr>
<tr>
<td>MATH 323 or 325</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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<table>
<thead>
<tr>
<th>Year 4</th>
<th></th>
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</thead>
<tbody>
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<td>PHYS 313 or 314</td>
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<tr>
<td>PHYS 325</td>
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<tr>
<td>Elective3</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>10.5</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. PHYS 242 is strongly recommended in second year. ASTR 200B or 250, 255 or 304, PHYS 210, CSC 115, 225 and 230 are also recommended.

4. 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

<table>
<thead>
<tr>
<th>Year 1</th>
<th></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>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
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<tr>
<td>PHYS 2201</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 200, 201, 233A</td>
<td>4.5</td>
</tr>
<tr>
<td>Electives2</td>
<td>4.5 or 6.0</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Year 3</th>
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<tbody>
<tr>
<td>PHYS 317, 321A, 325, 326</td>
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<tr>
<td>MATH 330A, 330B and 326</td>
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<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</tbody>
</table>

1. Only for students who took PHYS 112.
2. PHYS 242 is strongly recommended in second year. ASTR 200B or 250, 255 or 304, PHYS 210, CSC 115, 225 and 230 are also recommended.

3. Students without credit for ASTR 255 must take ASTR 250 and 255.
4. 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.

Astronomy Programs: Course Requirements
Honours Program in Astronomy

<table>
<thead>
<tr>
<th>Year 1</th>
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</thead>
<tbody>
<tr>
<td>PHYS 120 and 220, or 112</td>
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</tr>
<tr>
<td>MATH 100 and 101</td>
<td>3.0</td>
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<tr>
<td>CSC 110</td>
<td>1.5</td>
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<td>4.5</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
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<tr>
<th>Year 2</th>
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<tbody>
<tr>
<td>PHYS 214, 215 and 216</td>
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<table>
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<table>
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1. Electives chosen from first-year Chemistry courses.
2. ASTR 150 is recommended.
3. Only for students who took PHYS 112.
4. PHYS 242 is strongly recommended. PHYS 210, CSC 115, 225, and 230 are also recommended.
5. Students without credit for ASTR 255 must take 304.
6. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. These electives must be chosen in consultation with the Department.

Major Program in Astronomy

<table>
<thead>
<tr>
<th>Year 1</th>
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<tbody>
<tr>
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<tr>
<td>MATH 100 and 101</td>
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<tr>
<td>CSC 110</td>
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</tbody>
</table>
### Combined Physics and Mathematics Program Requirements

**Combined Honours in Physics and Mathematics**

**Year 1**
- PHYS 120 and 220, or 112 .................................................. 3.0
- MATH 100 and 101 .......................................................... 4.5
- CSC 110 .............................................................. 1.5
- PHYS or ASTR electives3 ........................................... 3.0
- Electives6 ................................................................. 3.0
- Total .................................................................. 18.0

**Year 2**
- PHYS 214, 215 and 216 ................................................. 4.5
- PHYS 429A .............................................................. 1.5
- PHYS or ASTR 460 ................................................... 0.0
- PHYS or ASTR 429 ................................................... 1.5
- PHYS or ASTR electives6 ........................................... 3.0
- Electives1 ............................................................... 7.5
- Total .................................................................. 15.0

**Year 3**
- PHYS 317, 323 and 326 ................................................. 4.5
- MATH 323 or 325 .......................................................... 1.5
- MATH 326, 330A and 330B .......................................... 4.5
- Electives1 ............................................................... 7.5
- Total .................................................................. 15.0

**Year 4**
- PHYS 313 or 314 .......................................................... 1.5
- PHYS 325 .............................................................. 1.5
- Electives6 ................................................................. 3.0
- Total .................................................................. 15.0

1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. Three of ASTR 402, 403, 404 or 4055 are recommended. These electives must be chosen in consultation with the Department.
4. Electives chosen from Physics or Astronomy courses (or other approved courses) numbered 300 or higher. These electives must be chosen in consultation with the Department.

### Combined Major in Physics and Astronomy

**Program Requirements**

**Combined Honours in Physics and Astronomy**

**Year 1**
- PHYS 120 and 220, or 112 .................................................. 3.0
- MATH 100 and 101 .......................................................... 3.0
- CSC 110 .............................................................. 1.5
- Electives1 ............................................................... 7.5
- Total .................................................................. 18.0

**Year 2**
- PHYS 214, 215 and 216 ................................................. 4.5
- PHYS 2203 .............................................................. 1.5
- ASTR 250 and 255 .......................................................... 3.0
- Electives4 ............................................................... 4.5
- Total .................................................................. 15.0

**Year 3**
- PHYS 317, 323, 325 and 326 ........................................... 6.0
- MATH 323 or 325 .......................................................... 1.5
- Electives4 ............................................................... 4.5
- Total .................................................................. 15.0

**Year 4**
- PHYS 313 or 314 .......................................................... 1.5
- PHYS 321A .............................................................. 1.5
- Electives5 ............................................................... 1.5
- Total .................................................................. 15.0

1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. Electives numbered 300 or higher. These electives must be chosen in consultation with the Department.
4. Electives chosen from Physics or Astronomy courses (or other approved courses) numbered 300 or higher. These electives must be chosen in consultation with the Department.
5. Electives chosen from Mathematics courses numbered 300 or higher. These electives must be chosen in consultation with the Department.
6. Elective chosen from Physics and Astronomy courses numbered 300 or higher. This elective must be chosen in consultation with the Department.

### Combined Physics and Earth Sciences (Geophysics) Program Requirements

**Combined Honours in Physics and Earth Sciences (Geophysics)**

**Year 1**
- PHYS 120 and 220, or 112 .................................................. 3.0
- EOS 110, 120 .............................................................. 3.0
- MATH 100, 101 .......................................................... 3.0
- CSC 110 .............................................................. 1.5
- Elective ................................................................. 1.5
- Total .................................................................. 15.0

1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. Electives numbered 300 or higher. These electives must be chosen in consultation with the Department.
4. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. These electives must be chosen in consultation with the Department.
5. Electives chosen from Mathematics courses numbered 300 or higher. These electives must be chosen in consultation with the Department.
6. Elective chosen from Physics and Astronomy courses numbered 300 or higher. This elective must be chosen in consultation with the Department.
### Earth and Ocean Sciences

**Combined Physics and Ocean Sciences**

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Math</th>
<th>Physics</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combined Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)</td>
<td>1.5</td>
<td>15.0</td>
<td>16.5</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combined Honours in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)</td>
<td>1.5</td>
<td>15.0</td>
<td>16.5</td>
</tr>
</tbody>
</table>

### Combined Physics and Computer Science

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Math</th>
<th>Physics</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combined Physics and Computer Science</td>
<td>1.5</td>
<td>16.5</td>
<td>18.0</td>
</tr>
</tbody>
</table>

---

### Combined Major in Physics and Earth Sciences (Geophysics)

<table>
<thead>
<tr>
<th>Year</th>
<th>Math</th>
<th>Physics</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>15.0</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

### Year 2

- **PHYS 214, 215, 216** | 4.5
- **EOS 210 or PHYS 210** | 1.5
- **PHYS 220** | 1.5
- **EOS 201, 202, 205** | 4.5
- **MATH 200, 201, 233A** | 4.5
- **Total**: | **15.0 or 16.5**

### Year 3

- **PHYS 321A, 321B, 325, 326** | 6.0
- **EOS 300** | 1.5
- **MATH 323 or 325** | 1.5
- **MATH 326, 330A, 330B** | 4.5
- **Electives** | 3.0
- **Total**: | **15.0**

### Year 4

- **PHYS 317, 323, 411** | 4.5
- **EOS 427 or PHYS 427** | 1.5
- **PHYS 460 or EOS 570** | 0.0
- **EOS 410, 480** | 3.0
- **EOS 499, or PHYS 429A and 429B** | 3.0
- **PHYS or EOS electives** | 3.0
- **Total**: | **16.5**

---

### Year 3

- **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 4

- **PHYS 214, 215, 216** | 4.5
- **PHYS 220** | 1.5
- **EOS 340** | 1.5
- **ELECTIVE** | 3.0 or 4.5
- **Total**: | **16.5**

---

### Combined Major in Physics and Earth Sciences (Geophysics)

<table>
<thead>
<tr>
<th>Year</th>
<th>Math</th>
<th>Physics</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>15.0</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

### Year 2

- **PHYS 214, 215, 216** | 4.5
- **PHYS 220** | 1.5
- **EOS 340** | 1.5
- **MATH 200, 201, 233A** | 4.5
- **Electives** | 3.0 or 4.5
- **Total**: | **16.5**

### Year 3

- **PHYS 410, 411, 422, 426** | 6.0
- **PHYS 460 or EOS 570** | 0.0
- **EOS 431, 433** | 3.0
- **EOS 499, or PHYS 429A and 429B** | 3.0
- **ELECTIVE** | 3.0
- **Total**: | **18.0**

---

### Electives

1. Only for students who took PHYS 112.
2. In choosing these electives, it is recommended that students consider the prerequisite requirements for PHYS or EOS electives in Year 4.
3. Chosen from PHYS 413, 414, 426, 431, and EOS courses numbered 300 and above except for 312, 313, 314, 350, 360, 370. The Physics 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 Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

<table>
<thead>
<tr>
<th>Year</th>
<th>Math</th>
<th>Physics</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>15.0</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

### Year 2

- **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 3

- **PHYS 317, 321A, 321B, 323, 325, 326** | 9.0
- **PHYS elective** | 1.5
- **MATH 323 or 325** | 1.5
- **MATH 326, 330A, 330B** | 4.5
- **Total**: | **16.5**

---

### Combined Honours in Physics and Computer Science

<table>
<thead>
<tr>
<th>Year</th>
<th>Math</th>
<th>Physics</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>16.5</td>
<td><strong>18.0</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 2

- **PHYS 214, 215 and 216** | 4.5
- **PHYS 220** | 1.5
- **EOS 340** | 1.5
- **MATH 200, 201, 233A** | 4.5
- **ELECTIVE** | 3.0 or 4.5
- **Total**: | **18.0**

### Year 3

- **PHYS 410, 411, 422, 426** | 6.0
- **PHYS 460 or EOS 570** | 0.0
- **EOS 431, 433** | 3.0
- **EOS 499, or PHYS 429A and 429B** | 3.0
- **ELECTIVE** | 3.0
- **Total**: | **18.0**

### Year 4

- **PHYS 317, 321A, 321B, 323 and 422** | 7.5
- **CSC 499 or PHYS 429B** | 1.5
- **CSC 499 or PHYS 429B** | 1.5
- **Total**: | **18.0**

---

### Combined Honours in Physics and Ocean Sciences

<table>
<thead>
<tr>
<th>Year</th>
<th>Math</th>
<th>Physics</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>15.0</td>
<td><strong>16.5</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 2

- **PHYS 214, 215, 216** | 4.5
- **PHYS 220** | 1.5
- **EOS 340** | 1.5
- **MATH 200, 201, 233A** | 4.5
- **ELECTIVE** | 3.0 or 4.5
- **Total**: | **15.0**

### Year 3

- **PHYS 317, 321A, 325, 326** | 6.0
- **ELECTIVE** | 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, 433** | 3.0
- **ELECTIVE** | 7.5
- **Total**: | **15.0**
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 Computer Science

<table>
<thead>
<tr>
<th>Year</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>PHYS 120 and 220, or 112</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100, 101 and 122</td>
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</tr>
<tr>
<td></td>
<td>CSC 110, 115 and 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>Elective</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>15.0</td>
</tr>
<tr>
<td>Year 2</td>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>PHYS 220</td>
<td>1.5</td>
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<tr>
<td></td>
<td>MATH 200, 201, 233A</td>
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<td>CSC 225, 230, 242</td>
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<tr>
<td></td>
<td>ENGR 240</td>
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<td>16.5 or 18.0</td>
</tr>
<tr>
<td>Year 3</td>
<td>PHYS 325 and 326</td>
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<td>MATH 326, 330A and 330B</td>
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<tr>
<td></td>
<td>MATH 323 or 325</td>
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</tr>
<tr>
<td></td>
<td>CSC 349A, 349B, 355 and 360</td>
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</tr>
<tr>
<td></td>
<td>Total</td>
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</tr>
<tr>
<td>Year 4</td>
<td>PHYS 317, 321A, 323</td>
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</tr>
<tr>
<td></td>
<td>CSC 320</td>
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</tr>
<tr>
<td></td>
<td>CSC electives</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>15.0</td>
</tr>
</tbody>
</table>

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 (up to 3 units can be SENG courses at similar level) and 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 Physics and Biochemistry Program Requirements

Combined Honours in Physics and Biochemistry

<table>
<thead>
<tr>
<th>Year</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>PHYS 112, or 120 and 220</td>
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</tr>
<tr>
<td></td>
<td>CHEM 101 and 102</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100 and 101</td>
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<tr>
<td></td>
<td>CSC 110</td>
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<tr>
<td></td>
<td>BIOL 150A or 190A</td>
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</tr>
<tr>
<td></td>
<td>Electives</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>15.0</td>
</tr>
<tr>
<td>Year 2</td>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>PHYS 220</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>BIOL 225</td>
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</tr>
<tr>
<td></td>
<td>PHYS electives</td>
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</tr>
<tr>
<td></td>
<td>Total</td>
<td>15.0</td>
</tr>
</tbody>
</table>

1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.
2. Only for students who took PHYS 112.
3. PHYS 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 of Anthropology, Economics, Geography, Political Science, Psychology and Sociology. The Departments of Geography and Psychology also offer BSc Honours, Major and General programs. The Department of Economics offers BSc Honours and Major programs. See chart below.

The School of Environmental Studies offers a BA or BSc degree in either the Major or General Programs when the degree is taken concurrently with a BA Honours, Major or General Program, or a BSc Honours or Major Program, from another academic unit. (See School of Environmental Studies, on page 206.)

Students may obtain a BA in Mathematics or Statistics through the Faculty of Social Sciences. For information, please see page 201.

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 25.

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.

Available of Courses to Students in Other Faculties

<table>
<thead>
<tr>
<th>Faculty of Social Sciences Programs</th>
<th>BA</th>
<th>BSc</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Honours</td>
<td>Major</td>
</tr>
<tr>
<td>Anthropology</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Economics</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Environmental Studies 1</td>
<td>●</td>
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</tr>
<tr>
<td>European Studies 2</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Geography</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Indigenous Studies 2</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Political Science</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Psychology</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sociology</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

1. Can only be taken as a second component of a Double Major or Joint Honours and Major program
2. See "Interdisciplinary Programs" page 220

Note: All Honours and Major programs may be taken with a Co-operative Option.

Combined Honours and Major programs, special topic options, concentration, specializations, and diplomas are also offered. See the department entries for more information.
to students completing degree requirements in a program offered in partnership between the University of Victoria and a regional college. Students attending another institution who accept a degree from that institution abrogate their right to a University of Victoria degree until they have satisfied the University’s requirements for a second bachelor’s degree, page 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 21 units are numbered at the 300 or 400 level
   • at least 21 units are numbered at the 300 or 400 level; 18 of these must be taken at UVic
   • at least 30 must normally be completed at UVic
   • at least 21 units are numbered at the 300 or 400 level
   • at least 21 units are numbered at the 300 or 400 level; 18 of these 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 12 units must be taken from at least two other departments

   In the next 15 units (representing Year Two):
   • not more than 12 units may be taken from a single department
   • at least 3 units must be taken from one other department

   For additional requirements for Honours, Major and General Degree Programs, refer to the individual program descriptions, below.

Departmental requirements for the degree program selected are specified under individual departments and schools.

HONOURS PROGRAM

The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. In some Social Science disciplines, an Honours Program is an excellent preparation for graduate studies. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program

Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program

A student in an Honours Program must satisfy the requirements common to all bachelor’s degrees in the Faculty of Social Sciences, listed above.

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic
years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs

Bachelor of Arts
- Anthropology
- Economics
- Geography
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

Bachelor of Science
- Economics
- Geography
- Psychology

Combined Honours Programs
- Biology and Psychology
- Geography and Earth and Ocean Sciences

Double Honours Program
With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Social Sciences, both leading to the same degree (BA or BSc).

Interfaculty Double Honours Program
If a student elects to complete an Honours Program in the Faculty of Social Sciences and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student’s Curriculum Advising and Program Planning (CAPP) form. If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program
A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Social Sciences and both leading to the same degree (BA or BSc). The Honours Program will be listed first on the student’s Curriculum Advising and Program Planning (CAPP) form. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Joint Honours and Major Program offers both a BA and a BSc program. If one of the two departments concerned offers a BA Program while the other offers 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.

Requirements of the Joint Honours Program
- A student in a Major Program must satisfy the requirements common to all bachelor’s degrees in the Faculty, listed above.
- Each department has its own requirements for its Major Programs, which include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at Uvic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs
Bachelor of Arts
- Anthropology
- Economics
- Geography
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

Bachelor of Science
- Economics
- Geography
- Psychology

Combined Major Programs
- Financial Mathematics and Economics
- Geography and Computer Science (Geomatics)
- Geography and Earth and Ocean Sciences
- Psychology and Biology
- Psychology and Computer Science

Double Major Program
A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Social Sciences, both leading to the same degree (BA or BSc).

If one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Interfaculty Joint Honours and Major Program
A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student’s Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Major Program
The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program generally is also a good preparation for a professional or business career.

Requirements of the Major Program
A student in a Major Program must satisfy the requirements common to all bachelor’s degrees in the Faculty, listed above.
- Each department has its own requirements for its Major Programs, which include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at Uvic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

BA or BSc Major in Environmental Studies
A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.

BA in Mathematics or Statistics
Students who wish to obtain a BA in Mathematics or Statistics and are registered in the Faculty of Social Sciences, must complete the requirements common to all bachelor’s degrees in the Faculty of Social Sciences.

General Program
The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.

Requirements of the General Program
A student in a General Program must satisfy the requirements common to all bachelor’s degrees in the designated faculty determined by the first subject area listed on the Curriculum Advising and Program Planning (CAPP) form.

The General Program requires:
- Completion of 9 units of course work at the 300 and 400 level in each of the two disciplines, as specified in the General Program requirements of the departments concerned.
A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in another faculty. The degree awarded will be a BA unless two Generals in the Faculty of Science are chosen, or one of the BSc Generals in Geography or Psychology is combined with a second BSc General in the Faculty of Science.

Anthropology
Economics
Environmental Studies
Geography
Political Science
Psychology
Sociology

A student may also complete a General Program that combines one of the above disciplines/areas of study with one of the following. The degree awarded will be a BA.

Arts of Canada (see page 220)
Film Studies (see page 220)
Indigenous Studies (see page 221)
Music (see page 110)
Professional Writing in Journalism and Publishing (see page 116)

MINOR PROGRAM

A Minor is an optional program that allows students to study in an area outside their Honours, Major or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned. Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.

• No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.

• If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level department requirements for a student's Honours or Major Program. Corequisite courses in other programs may be counted toward the Minor.

• If the Minor requires less than 9 units of 300- and 400-level course work, no courses at the 300- or 400-level can form part of the requirements for a student's Honours, Major or General Program or Option. Required or corequisite courses at the 200-level or higher in other programs or options may not be counted toward the Minor.

Only one Minor can be declared on a student's program. In addition to department Minors, the following Minors are offered:

Interdisciplinary Minors
Applied Ethics (see page 222)
European Studies (see page 221)
Religious Studies (see page 221)
Indigenous Studies (see page 221)

Student-Designed Minor

Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:

• Include courses from at least two departments, with a minimum of 3 units from each department
• Consist of courses taken only at UVic
• Have structure, coherence and theme; it cannot consist of unrelated courses
• Be approved by the Chair/Adviser of the departments concerned
• Be approved by the Director of Academic Advising
• Be declared by the end of the student's third year

Students must discuss their proposed Student-Designed Minor with Department Chairs/Advisers before submitting their request to the Director of Academic Advising. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

SOCIAL SCIENCES CO-OPERATIVE EDUCATION PROGRAM

Leah Ashford, MBA (UVic), Coordinator
Claudia Sperling, 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 must 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 207 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

Ann R. Stahl, BA (Miami), MA (Calgary), PhD (Berkeley), Professor and Chair
Heather Botting, BA, MA, PhD (Alberta), MA (Calgary) Senior Instructor
Hilary Demirdirek, BA, M.Phil (Norway), PhD (Oslo), Assistant Professor
Lisa Gould, BA, MA (Alberta), PhD (Wash U St L) Associate Professor
Yin Lam, AB (Harvard), MA (Alberta), MA (Stony Brook), PhD (Stony Brook), Assistant Professor
Quantin Mackie, BA, MA (UVic), PhD (Southampton), Assistant Professor
Margo L. Matyuchak, BA (Winn), MPhil, PhD (CUNY), Assistant Professor
Lisa Mitchell, BA (Alberta), MA (McMaster), PhD (CWRU), Associate Professor
April Newell, BA, MA (McGill), PhD (Pennsylvania), Associate Professor
Eric A. Roth, BA (Missouri), MA, PhD (Tor), Professor
Peter H. Stephenson, BA (Ariz), MA (Calg), PhD (Tor), Professor
Andrea Walsh, BFA (UVic), MA, PhD (York U), 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 L. Ash, BA, PhD (Columbia), Visiting Professor (2007-2010)
Heather Botting, BA, MA, MA, PhD (Calgary) Adjunct Assistant Professor (2007-2010)
Mayra Brackley, BA, MA, PhD (Toronto), Adjunct Assistant Professor (2007-2011)
Susan Crockford, BSc, PhD (Victoria), Adjunct Assistant Professor (2007-2010)
Mark Ebet, BA, MA, PhD (Aberdeen), Adjunct Assistant Professor (2006-2009)
Steig Johnson, BA, MA, PhD (Texas, Austin), Adjunct Assistant Professor (2007-2010)
Mary Ellen Macdonald, BA, MA, PhD (McGill), Adjunct Assistant Professor (2006-2008)
Marjorie Mitchell, BA, MA, PhD (UBC), Adjunct Assistant Professor (2007-2010)
Marc Pinkowski, BA, MA, PhD (UVic), Adjunct Assistant Professor (2007-2010)
Robin Ridington, BA, PhD (Harvard), Adjunct Professor (2006-2009)
An Honours degree requires:

- a GPA of at least 6.0

An Honours degree “With Distinction” requires:

- a GPA of at least 6.5

Honours Graduating Standing

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, 352, 356, 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 360, 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, 495
- Plus 1.5 additional units from the above courses, or ANTH 396 if not used to satisfy the linguistics requirements
- Plus 1.5 units of Linguistics as offered by the Linguistics Department or 1.5 units of ANTH 396

General and Minor Programs

First Year
- ANTH 100

Second Year
- ANTH 200, 240 and 250

Third and Fourth Years
- 9 additional units of Anthropology chosen from courses numbered 300 and above

Anthropology Co-operative Education Program

The Co-operative Education Program in the Faculty of Social Sciences is described on page 202. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 45. The Anthropology Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Anthropology-related positions in the public, private or non-profit sectors.

Admission to the Anthropology Co-op

Entry into the Anthropology co-op program is restricted to full-time students who are proceeding to an Honours or Major program offered by the Department. Those who are taking fewer than 6 units per term should consult with the co-op office. To be considered eligible for the program, students must normally have and maintain a minimum GPA of 5.0 in Anthropology and 5.0 overall.

Students interested in participating in the co-op program should normally apply at the beginning of their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

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To graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 5.0 in Anthropology courses and a minimum cumulative GPA of 5.0.

Work term credit by challenge, as outlined on page 45, is permitted in the Anthropology co-op program.

Further information concerning the Anthropology co-op program is available from the Department and from the Social Sciences Co-operative Education office.
3. In the Honours BSc program, a maximum of 6 units of upper-level courses in Mathematics, Computer Science or Statistics may be substituted for upper-level Economics courses with permission of the Department.

4. Students wishing to proceed to graduate studies in Economics are advised to include ECON 313, 351, 365, 366, 400, 401, and STAT 350 in their undergraduate program.

5. CSC 105 is intended primarily for students in Mathematics or the Business School. Students who have completed or are currently registered in ECON 103 and ECON 104 will be given priority; other students will be admitted on an availability basis. Although the Department prefers and recommends CSC 105, CSC 110 may be substituted for CSC 105.

6. ECON 225 is required for all programs in Economics. It should normally be completed by the end of the second year and is a prerequisite for all 300 and 400 level courses. Students are advised that a comprehension and writing test will be given during the first seven calendar days from the start of ECON 225. Students receiving low scores on the test will be required to attend supplementary language/writing tutorials that will run in parallel with the course.

7. ECON 203 and 204 may be repeated once in order to satisfy minimum grade requirements or to pass these courses.

**BA Program Requirements**

### BA Major

1. ECON 103 and 104
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 or ES 312) outside Economics; or HIST 205, or PHIL 220, or PHIL 223
6. ECON 203 and 204, with a GPA of at least 3.0 in the two courses and at least a C in each course, and 313
7. ECON 245 and 246, with at least a C+ in 245 (see Note 2)
8. ECON 225
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, normally a GPA of at least 5.5 in the two courses and at least a B in each course
2. In ECON 203, 204, 225, 350, 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 365 and 366
5. ECON 399 and 499
6. ECON 400 and 401
7. An additional one of ECON 450, 451, 452, 453, or 454
8. In addition to the other specific course requirements, an additional 4.5 units of Economics courses numbered 300 and above
9. 3 upper-level courses in another subject or subjects
10. Also see Other Requirements for BA and BSc Honours Programs, below.

### BSc Program Requirements

#### BSc Major

1. ECON 103 and 104
2. MATH 102, and 208 or 140; or MATH 100, and 208 or 140; or MATH 100, 101, 200, and 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, with a GPA of at least 3.0 in the two courses and at least a C in each course, and 313
7. ECON 245 and 246, with at least a C+ in 245 (see Note 2)
8. ECON 225
9. ECON 350 and 351, with at least a C+ in 350
10. ECON 353
11. ECON 345 or 365
12. At least one of ECON 450, 451, 452, 453, or 454
13. An additional 6.0 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, normally a GPA of at least 5.5 in the two courses and at least a B in each course
2. In ECON 203, 204, 225, 350, 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 365 and 366
5. ECON 399 and 499
6. ECON 400 and 401
7. An additional one of ECON 450, 451, 452, 453, or 454
8. In addition to the other specific course requirements, an additional 4.5 units of Economics courses numbered 300 and above
9. 3 upper-level courses in another subject or subjects
10. 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, 225, 350 (for BSc), and 313. Application
is to the Honours Committee. 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 202.

BA Minor in Economic Policy
The program comprises four required courses (6.0 units) and six elective courses (9.0 units) drawn from a specified set of policy-oriented courses.

The program is described by the required and elective courses which are listed below according to the year in which it is recommended that students take them. The only other requirements are the general University requirements.

Year 1 (2 courses)
- ECON 113
- plus at least one of
  - ECON 100
  - ECON 111
  - ECON 112

Year 2 (3 courses)
- ECON 103
- ECON 104
- ECON 225

Year 3 or 4 (5 courses)
At least four courses drawn from
- ECON 305
- ECON 306
- ECON 310A
- ECON 310B
- ECON 311A
- ECON 311B
- ECON 312
- ECON 317
- ECON 320
- ECON 325
- ECON 339
- ECON 381
- ECON 382
- ECON 410A*

plus one further course drawn from the list above, or one of
- POLI 344
- POLI 350 (cross-listed as ADMN 311)
- POLI 351
- POLI 364
- POLI 365
- POLI 366

• ADMN 311 (cross-listed as POLI 350)
• ADMN 420
or one other policy-oriented course in another Department, subject to the approval of the Department of Economics. Note that a course taken as part of the Minor cannot also be used to fulfill the requirements of another degree program.
* This course is highly recommended, but students should be aware that it has pre-requisites beyond those included in the Minor. Consult the ECON 410A calendar entry for the details.

BA or BSc Major and Honours (Business Option) Requirements
This program is intended for students who wish to supplement studies in Economics with studies in Business. To qualify for the Business Option, students must have a GPA of 3.0 (C+) or better in ECON 103, ECON 104, CSC 105 and MATH 102, with a grade of at least C in each course.

Students must satisfy the requirements of their BA or BSc program, and take the following program:
- COM 220
- COM 240
- COM 250
- COM 270*
* COM 202 may be substituted for COM 270 if space is available in COM 202.

Students may take additional courses in the Faculty of Business by single course application to the 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.

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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 term of their third year, or the first term of their fourth year, at the Wageningen University. Interested students should contact the Undergraduate Adviser 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-OBJECTIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 202. 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 ECON 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, N 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.

School of Environmental Studies

Eric S. Higgs, BIS, MA (Waterloo), PhD (Waterloo), Professor and Director of the School
Michael M’Gonigle, MSc (London School Econ), LLB (Tor), LLM, JSD (Yale), Professor and Chair in Environmental Law and Policy
Karena Shaw, BA (Califa-Santa Cruz), MA, PhD (Johns Hopkins), Assistant Professor
Duncan M. Taylor, BA (Queen's), PhD (Califa-Santa Cruz), Assistant Professor
Nancy J. Turner, BSc (Hon) (UVic), PhD (UBC), Professor

John Volpe, BSc, MSc (Guelph), PhD (UVic), Assistant Professor
Wendy Wickwire, BMus (Western), MA (York), PhD (Wesleyan), Associate Professor
Vaelin Schaefer, BSc (McGill), MSc (Tor), PhD (SFU), Faculty Coordinator, Restoration of Natural Systems and Adjunct Associate Professor (2005-2008)
Brenda Beckwith, BA, MSc (Califa State), PhD (UVic), Senior Laboratory Instructor
Karolyn Jones, Senior Administrative Support
Anne Bowen, Graduate Administrative Support

ENVIRONMENTAL STUDIES PROGRAMS

Degree Programs

The School of Environmental Studies offers an interdisciplinary program, with courses that examine systemic aspects of environmental issues and explore solutions that cut across the boundaries of traditional disciplines. There is also the recognition that many aspects of local, national and international environmental problems are inextricably connected to our dominant cultural values, and attendant political, social, economic and educational institutions.

The intellectual strength of the School is supported by three distinctive, interdisciplinary research specialties: ethnology, 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 ethnology, 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 201) or a Major with Honours Program (Honours/Major, see Honours Program, page 200) or a Major in another Faculty (see Interfaculty Joint Honours and Major, page 201). 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 202).

Students considering a Major, Minor or General Program in Environmental Studies must take the introductory course, ES 200 (Introduction to Environmental Studies), unless they have already completed ES 300A. It is suggested that students declare their intention to enrol in Environmental Studies by the end of their second year of study.

Many eligible courses in Environmental Studies are 300 and 400 level with prerequisites; students should therefore plan early to incorporate these prerequisites into their schedule and should be aware of the minimum grade requirement for the programs: a B- in ES 200.

When choosing electives, students are also encouraged to include courses in languages and in areas other than those in which the student is majoring; e.g., a student majoring in Sciences, should choose electives from the Social Sciences or Humanities.

Diploma in the Restoration of Natural Systems

A Diploma in the Restoration of Natural Systems is also offered in co-operation with the Division of Continuing Studies. Students are admitted to
the Diploma Program on the recommendation of the Faculty Coordinator and/or Chair of the Program Steering Committee. Contact Continuing Studies for details. For a description of the Diploma program, see page 224.

**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 or BIOL 215 is a prerequisite for ES 341
- ES 301, 321 and 341 are prerequisites for many fourth-year courses
- BIOL 190A and 190B are prerequisites for BIOL 215, ES 344 (BIOL 330) and ES 348
- STAT 255 or 260 is a prerequisite for ES 344 (BIOL 310)
- ECON 103 is a prerequisite for ES 312 (ECON 381)

**Major Program**
The Major program requires:
1. Completion of another Major or Honours program in the Faculties of Social Sciences, Science, or Humanities (only a Double Major or Honours/ Major program is available). In consultation with the Director, students may apply for the Interfaculty Double Major (on page 201) which involves completing the Major in Environmental Studies and the appropriate degree program in another faculty.
2. A minimum grade of B- in ES 200 or 300A, or permission of Director, is required for entry to the Major program in Environmental Studies.
3. 1.5 units in quantitative concepts and methods will be required. To fulfill this requirement, both Majors and Minors need to take ES 240 or BIOL 215.
4. A minimum of 15 upper-level Environmental Studies units selected as follows:
   i. 4.5 units of upper-level core courses to be taken in the third and fourth years, including:
      - ES 301 (1.5)
      - ES 321 (1.5)
      - ES 341(1.5)
   ii. 10.5 additional units chosen by the student
      - Although they are no longer offered, the following courses can also be used: ES 300B, 350, 352, 353, 400A-D, 410, 416, 420, 422, 424, 426, 432, 450.

**Environmental Studies Co-operative Education Program**
The Co-operative Education Program in the Faculty of Social Sciences is described on page 202. 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 4-month periods of paid employment in Environmental Studies-related positions in the public, private or non-profit sectors.

**Admissions to the Environmental Studies Co-op Program**
Enter into the Environmental Studies co-op program is restricted to full-time students (those taking 6 or more units per term) who are proceeding to a double Major program offered by the School of Environmental Studies, and whose other Major is in a department within the Faculty of Social Sciences. To be considered for admission to the program, students normally require a minimum cumulative GPA of 5.0.

Students interested in participating in the co-op program should normally apply in their second year of studies. Applications must be submitted to the School of Environmental Studies co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum cumulative GPA of 5.0. Each work term is recorded on the student's official transcript of academic record (as COM, N or F). A student may withdraw from the Environmental Studies co-op program and proceed to graduate from a regular Environmental Studies Major or Minor program without the co-op designation. Work term credit by challenge, 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 examinable material at this level. To remain in the program, and to graduate, diploma candidates must maintain a GPA of 4.0.

Credit obtained within the Restoration of Natural Systems Diploma may be transferable to a regular degree program. However, such transferability of credit is always subject to the specific requirements of the degree program. Please see the Continuing Studies Calendar for information on the Certificate option in the Restoration of Natural Systems. Enrollment in the Diploma Program is limited.

**Diploma Program Requirements**

ER = Environmental Restoration; ES = Environmental Studies

1. 7.5 units of required courses:
   - ER 311 (ES 352 or 341) .............................................. 1.5
   - ER 312A ..................................................................... 1.5
   - ER 321 ...................................................................... 1.5
   - ER 313 (ES 318 or 348) ............................................ 1.5
   - ER 314 ..................................................................... 1.5

2. 3.0 units selected from the following courses:
   - ER 312B ................................................................. 1.5
   - ER 312A ................................................................. 1.5
   - ER 311 (ES 352 or 341) ........................................ 1.5

3. 6 units of electives chosen from ER 329, 330, 331, 333, 334, 335A, 335B, 336, 338 (A-D) and other courses, including transfer credit, if not previously used towards a degree, subject to the approval of the faculty coordinator

4. The following courses:
   - ER 390 (1.5) Environmental Restoration Project
   - ER 400 (0) Seminar in Environmental Restoration

**Visiting, Adjunct, Cross-listed and Limited Term Appointments**

Spryos Belvaos, Dipl. Eng. (Nat. Technical), MSc (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 (SU), PhD (UnB), Adjunct Professor (2007-2010)

Leslie T. Foster, BSc (Lon), MA (Tor), Adjunct Professor (2006-2009)

James S. Gardner, BSc (Alta), MSc, PhD (McGill), Adjunct Professor (2006-2009)

John J. Gibson, BSc (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, BSc (Wat), MSc (Trent), PhD (Can), Professor, Limited Term

Nancy Turner, BSc (UVic), PhD (UBC), Professor (Environmental Studies) (2005-2008)

Frederick J. Wroma, 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

Dennis E. Jelinski, BSc (Brandon), MSc (Calg) PhD (SFU), Associate Professor

Alec E. Ostry, BSc, MSc (UBC), MA (SFU), PhD (UBC), Associate Professor (Canada Research Chair)

Ian Walker, BSc (Tor), PhD (Guelph), Associate Professor

Roseline Canessa, BSc (McGill), MSc (Heriot-Watt), PhD (UVic), Assistant Professor

Denise S. Cloutier-Fisher, BSc (Calg), MA, PhD (Guelph), Associate Professor

Mavcira Costa, HBSc (Rio Grande), MSc (Nat Inst for Space Research), PhD (UVic), Assistant Professor

Jutta Gutterlet, BA (Estadual de Sao Paulo), MA, PhD (Tubingen), Associate 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, MPA, MA (UVic), Senior Laboratory Instructor and Course Adviser

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 Adviser

**Department of Geography**

Dan J. Smith, BES, MA (Wat), PhD (Alta), Professor

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 (WOnt), Professor and Dean of Social Sciences

Stephen C. Lonergan, BSc (Duke), MA, PhD (Penn), Professor

Lawrence D. Cann, BA (UVic), MA, PhD (Alta), Professor

K. Olajf Niemann, BSc (Queen’s), MSc, PhD (Alta), Professor

J. Douglas Porteous, BA, MA (Oxon), PhD (Hull), Professor

S. Martin Taylor, BA (Bristol), GCE (Leeds), MA, PhD (UBC), Professor

Stanton E. Tuller, BA (Ore), MA, PhD (Calif, LA), Professor

David Duffius, BSc, MSc (Regina), PhD (UVic), Associate Professor

Glen S. Jamieson, BSc (McG), PhD (UBC), Adjunct Associate Professor (2005-2008)

Gail L. Kucerba, BA (Mich), MS(W 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 McDurmard, 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 Schuerholz, Dip (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 (Car), MSc (Queen’s), 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 (UBC), PhD (Calif), Adjunct Assistant Professor (2006-2009)

Trudy A. Kavanagh, BA (Tork), MSc (Tor), BEd (Ottawa), PhD (W Wo), Adjunct Assistant Professor (2005-2008)

Christopher D. Malcolm, BA (MUN), MSc, PhD (UVic), Adjunct Assistant Professor (2007-2010)

Robertia Parish, BSc (Guelph), MSc (Calgary), PhD (UBC), Adjunct Assistant Professor (2007-2010)

Daniel L. Peters, BSc (Concordia), MSc, PhD (Car), Adjunct Assistant Professor (2005-2008)

Naomi E. Pope, BA (UVic), MA (UBC), Assistant Professor, Limited Term

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 Zucharius, BSc, MSc (UVic), PhD (Guelph), Adjunct Assistant Professor (2006-2009)
**Geography Programs**

The Geography Department offers General, Minor, Major and Honours programs leading to BA and BSc degrees. The Department also offers combined programs in Geography and Earth Sciences and in Geography and Computer Science (Geomatics) leading to a BSc Major or Honours. Information about course combinations suited to specific professional objectives and graduate programs is available from the Department.

**Academic Advising**

Students with questions specific to their involvement in any of the Departmental programs or courses may arrange to meet with a Geography Undergraduate Adviser through the Geography General Office in Cornett B234. Arrangements to meet with the Geography Honours Adviser may also be made through the Geography General Office.

**Limitation of Enrollment**

Students are advised that because of limited facilities and staff it may be necessary to limit enrollment in certain Geography courses.

**Program Requirements**

**Notes on Course Requirements**

1. All Departmental and course prerequisites will be strictly enforced.
2. Both STAT 255 or STAT 260 are suitable substitutes for GEOG 226. Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Undergraduate Adviser before registering in GEOG 226 (see page 32).
3. Access to 300- and 400-level Geography courses is restricted to students with at least third-year standing unless otherwise specified under individual course descriptions. The Department reserves the right to limit the number of upper-level courses taken by a student after completion of the minimum number of courses required by their degree programs.

**Honours Program**

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**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A and 101B</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives*</td>
<td>12.0</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Note 2 under Course Requirements)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 209, 211, 218</td>
<td>4.5</td>
</tr>
<tr>
<td>Courses outside the Faculty of Social Sciences</td>
<td>3.0</td>
</tr>
<tr>
<td>Courses from the Faculty of Social Sciences other than Geography</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives*</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Third and Fourth Years**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum 15 upper-level Geography units as specified for the BA Major</td>
<td>15.0</td>
</tr>
<tr>
<td>GEOG 324</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 499</td>
<td>3.0</td>
</tr>
<tr>
<td>Course outside the Faculty of Social Sciences</td>
<td>1.5</td>
</tr>
<tr>
<td>Minimum 9.0 additional course units</td>
<td>9.0</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>30.0</strong></td>
</tr>
</tbody>
</table>

* Students are encouraged to take GEOG 110 (EOS 110) and any of 120 (EOS 120), 222, 228. Note that 222 is a prerequisite for 228.

**BSc Honours Program**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A and GEOG 101B</td>
<td>3.0</td>
</tr>
<tr>
<td>EOS 110 or GEOG 110, and EOS 120 or GEOG 120</td>
<td>3.0</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, Engineering and Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives*</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 222, 226 and 228 (see Note 2 under Course Requirements)</td>
<td>4.5</td>
</tr>
<tr>
<td>At least two courses from GEOG 209, 211, 218</td>
<td>3.0</td>
</tr>
<tr>
<td>Courses outside the Faculties of Science, Engineering and Geography</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives*</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Third and Fourth Years**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum 15 upper-level Geography units as specified in the BSc Major</td>
<td>15.0</td>
</tr>
</tbody>
</table>

**Major Program**

**BA Major Program**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A and 101B</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives*</td>
<td>12.0</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Note 2 under Course Requirements)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 209, 211, 218</td>
<td>4.5</td>
</tr>
<tr>
<td>Courses outside the Faculty of Social Sciences</td>
<td>3.0</td>
</tr>
<tr>
<td>Courses from the Faculty of Social Sciences other than Geography</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives*</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Third and Fourth Years**

At least two courses from GEOG 306, 347B, 382, 383, 384, 388 | 3.0 |
Minimum 12 additional upper-level Geography units chosen by the student | 12.0 |
Minimum 15 additional course units | 15.0 |
**Total Units** | **30.0** |

* Students are encouraged to take GEOG 110 (EOS 110) and any of 120 (EOS 120), 222, 228. Note that 222 is a prerequisite for 228.

**BSc Major Program**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>GEOG 101A and GEOG 101B</td>
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</tr>
<tr>
<td>EOS 110 or GEOG 110, and EOS 120 or GEOG 120</td>
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<tr>
<td>MATH 100, 102 or 151</td>
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<td>Courses from Biology/Chemistry/Physics</td>
<td>3.0</td>
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<tr>
<td>Course outside the Faculties of Science, Engineering and Geography</td>
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</tr>
<tr>
<td>Electives*</td>
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<td><strong>Total Units</strong></td>
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**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>GEOG 222, 226 and 228 (see Note 2 under Course Requirements)</td>
<td>4.5</td>
</tr>
<tr>
<td>At least two courses from GEOG 209, 211, 218</td>
<td>3.0</td>
</tr>
<tr>
<td>Courses outside the Faculties of Science, Engineering and Geography</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives*</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Third and Fourth Years**

At least two courses from GEOG 319, 322, 323, 325, 326, 328, 329, 418, 420, 422, 428 | 3.0 |
At least two courses from GEOG 370, 372, 373, 374, 376, 379, 424, 474, 475, 476, 477, 478, 480 | 3.0 |
At least one additional upper-level course chosen either from Physical Geography or Geomatics | 1.5 |
FACULTY OF SOCIAL SCIENCES

Minimum 7.5 additional upper-level Geography units chosen by the student........7.5
Course outside the Faculties of Science and Engineering, and Geography........1.5
Minimum 13.5 additional course units ..........13.5
Total Units:.............................................30.0

BA Major Geography (Coastal Studies Option) Requirements

**First Year**

GEOG 101A and 101B .........................3.0
Electives* ..............................................12.0
Total Units:.............................................15.0

**Second Year**

GEOG 352 .............................................1.5
GEOG 226 (see Note 2 under Course Requirements) ..............................1.5
GEOG 209, 211, and 218 .................4.5
Courses outside the Faculty of Social Sciences 3.0
Courses from the Faculty of Social Sciences other than GEOG ..............3.0
Electives ..............................................15.0
Total Units:.............................................15.0

**Third and Fourth Year**

At least two courses from GEOG 306, 347B, 382, 383, 384, 388 ..............3.0
GEOG 353 and 355 .................................3.0
GEOG 430 .............................................1.5
At least two courses from GEOG 420, 424, 438, 439, 453, 457, 458, 474 ..........3.0
Minimum 3 additional upper-level Geography units chosen by the student..........3.0
Minimum of 6 additional upper-level course units ..6.0
Electives ..............................................10.5
Total Units:.............................................30.0

* Students are encouraged to take GEOL 110 (EOS 110) and any of 120 (EOS 120), 222, 228. Note that 222 is a prerequisite for 228.

BSc Major Geography (Coastal Studies Option) Requirements

**First Year**

GEOG 101A and 101B .........................3.0
EOS 110 or GEOL 110, and EOS 120 or GEOL 120 .............................3.0
One of MATH 100, 102, or 151 .................1.5
Courses from Biology, Chemistry or Physics ....3.0
Courses outside the Faculties of Science and Engineering, and Geography ....3.0
Electives ..............................................1.5
Total Units:.............................................15.0

**Second Year**

GEOG 352 .............................................1.5
GEOG 222, 226, and 228 (see Note 2 under Course Requirements) .............4.5
GEOG 209 and 211 .......3.0
Courses outside the Faculties of Science, Engineering, and Geography ....3.0
Electives ..............................................3.0
Total Units:.............................................15.0

**Third and Fourth Year**

At least two courses from GEOG 319, 322, 323, 325, 326, 328, 329, 418, 420, 422, 428 ..............3.0
At least two courses from GEOG 370, 372, 374, 376, 379, 418, 420, 422, 424, 428, 470, 474, 475, 476, 477, 478, 480 ..............3.0
At least one additional course from GEOG 319, 322, 325, 326, 328, 329, 370, 372, 373, 374, 376, 379, 418, 420, 422, 424, 428, 470, 474, 475, 476, 477, 478, 480 ..............1.5
GEOG 353 and 355 ......................................5.0
GEOG 430 .............................................1.5
At least two courses from GEOG 420, 424, 438, 439, 453, 457, 458, 474 ..........3.0
Course outside the Faculties of Science, Engineering, and Geography ..........1.5
Minimum of 4.5 additional upper level course units ..4.5
Electives ..............................................9.0
Total Units:.............................................15.0

BA General and Minor Programs

**First Year**

GEOG 101A and 101B .........................3.0
Courses outside the Faculty of Social Sciences .........................................3.0
Electives ..............................................9.0
Total Units:.............................................15.0

**Second Year**

GEOG 222 or 226 (see Note 2 under Course Requirements) .....................1.5
At least three courses from GEOG 110, 120, 209, 211, 218, 222, 228 ..........4.5
Course outside the Faculty of Social Sciences .............................................1.5
Electives ..............................................7.5
Total Units:.............................................15.0

**Third and Fourth Years**

Minimum 9 upper-level Geography units chosen by the student ..9.0
Minimum 21 additional course units ..........21.0
Total Units:.............................................30.0

BSc General and Minor Programs

**First Year**

GEOG 101A .............................................1.5
EOS 110 or GEOL 110, and EOS 120 or GEOL 120 .........................3.0
One of MATH 100, 102, or 151 .................1.5
Courses from Biology, Chemistry or Physics ....3.0
Course outside the Faculties of Science and Engineering, and Geography ....1.5
Electives ..............................................4.5
Total Units:.............................................15.0

**Second Year**

GEOG 226 (see Note 2 under Course Requirements) .....................1.5
GEOG 222 .............................................1.5
At least one course from GEOG 101B, 209, 211, 218, 228 ..........1.5
Other courses from the Faculties of Science and Engineering .................4.5
Course outside the Faculties of Science and Engineering, and Geography ....1.5
Electives ..............................................4.5
Total Units:.............................................15.0

**Third and Fourth Years**

At least one course from GEOL 319, 322, 325, 326, 328, 329, 418, 420, 422, 428 ..........1.5
At least one course from GEOL 370, 372, 373, 374, 376, 379, 418, 420, 422, 424, 428, 470, 474, 475, 476, 477, 478, 480 ..........1.5
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

COMBINED PROGRAMS IN PHYSICAL GEOGRAPHY AND EARTH AND OCEAN SCIENCES

The Department of Geography and the School of Earth and Ocean Sciences have designed two programs leading to a BSc Combined Major or Honours Degree.

The Department of Geography, the School of Earth and Ocean Sciences and the University of Victoria assume no responsibility for students' acceptance into the Association of Professional Engineers and Geoscientists of BC (APEGBC) during or after completing the program. APEGBC has more requirements beyond course work, and reserves the right to set standards and change their requirements at any time. For information, see their website at <www.apegbc.ca>.

Students intending to pursue the combined programs must consult with the Undergraduate Adviser in either Geography or the School of Earth and Ocean Sciences after completing all of the first-year requirements.

Admission to the Combined Honours in Geography and Earth Sciences Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

BSc Combined Honours/Major Program Requirements

**First Year**

EOS 110 or GEOL 110, and EOS 120 or GEOL 120 .........................3.0
CHEM 101, 102 ..........................................3.0
GEOL 101A .............................................1.5
MATH 100, 101 ..........................................3.0
PHYS 112; or 120 and 220 .........................3.0
Electives ..............................................1.5
Total Units:.............................................15.0

**Second Year**

EOS 201, 202, 205, 210, 240 .........................7.5
GEOL 222, 376 ..........................................3.0
CHEM 245 ..............................................1.5
GEOL 101A .............................................1.5
MATH 201, 205 ..........................................3.0
Total Units:.............................................15.0

**Third and Fourth Years**

EOS 316, 340 ..........................................3.0
EOS 300 or GEOL 477 ....................................1.5
EOS 440 or GEOL 370 ....................................1.5
EOS 450 or GEOL 476 ....................................1.5
EOS 499 or GEOL 499 ....................................3.0
GEOL 228, 379 ..........................................3.0

UVIC UNDERGRADUATE CALENDAR 2008-09
Electives ....... 3.0

SENG 310 ............................................. 1.5
GEOG 323, 325 ....................................... 3.0
GEOG 319 or 322 (see Note 2 below) ........ 1.5
SENG 360, 370 ........................................ 3.0
Total Units: .............................................. 15.0

Third and Fourth Years (BSc Combined Major)

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td>CSC 110, 115, 212, 213, 214 ... 3.0</td>
</tr>
<tr>
<td></td>
<td>ENGL 115 or 135 ... 1.5</td>
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<td>GEOG 101A, 101B ... 3.0</td>
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<td>MATH 102 or 101, 102 ... 3.0</td>
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<td>MATH 222, 223, 224 ... 3.0</td>
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<tr>
<td></td>
<td>Electives ... 6.0</td>
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<tr>
<td>Total Units:</td>
<td>15.0</td>
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</tbody>
</table>

| Second Year | CSC 225, 230, 235, 236 ... 3.0 |
| | ENGR 240 (see Note 1 below) ... 1.5 |
| | GEOG 222, 226, 228 ... 4.5 |
| | SENG 265 ... 1.5 |
| | Electives ... 6.0 |
| Total Units: | 15.0 |

| Third Year | CSC 360, 370 ... 3.0 |
| | GEOG 319 or 322 (see Note 2 below) ... 1.5 |
| | GEOG 328 or 329 ... 1.5 |
| | GEOG 323 or 325 ... 1.5 |
| | SENG 310 ... 1.5 |
| | CSC 300-level elective ... 1.5 |
| | Electives ... 3.0 |
| Total Units: | 15.0 |

| Fourth Year | GEOG 421, 422 ... 3.0 |
| | CSC 405 or 426 (see Note 3 below) ... 1.5 |
| | Two of GEOG 413, 414, 418, 420 ... 3.0 |
| | CSC 400-level electives (see Note 4 below) ... 3.0 |
| | Electives ... 1.5 |
| Total Units: | 15.0 |

1. ENGL 225 can be substituted for ENGR 240.
2. Students interested in remote sensing wishing to advance to GEOG 422 are encouraged to take both GEOG 319 and 322.
3. CSC 405 requires MATH 233A as a prerequisite.
4. These 3 units of CSC courses at the 400 level may include ENGR 420 and/or 1.5 units of SENG at the 400 level.

BA Major in Geography

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CSC 110 and 115</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 101A and GEOG 101B</td>
<td>3.0</td>
</tr>
<tr>
<td>Math 100 or 102</td>
<td>1.5</td>
</tr>
<tr>
<td>Math 122</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
<td>6.0</td>
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<tr>
<td>Total Units</td>
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Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 225, 226, 228 and 228 (see Note 2 under Course Requirements)</td>
<td>4.5</td>
</tr>
<tr>
<td>GEOG 409, 211, 218</td>
<td>4.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>Total Units</td>
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</table>

Third and Fourth Years

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 360 and 370</td>
<td>3.0</td>
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<tr>
<td>GEOG 319 or 322</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 328 or 329</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 323 or 325</td>
<td>1.5</td>
</tr>
<tr>
<td>At least three courses from GEOG 413, 414, 418, 420 and 422</td>
<td>4.5</td>
</tr>
<tr>
<td>At least two courses from GEOG 306, 347A, 347B, 382, 383, 384, 388, 482, 483</td>
<td>3.0</td>
</tr>
<tr>
<td>Minimum 3.0 additional upper level Geography units chosen by the student</td>
<td>3.0</td>
</tr>
<tr>
<td>SENG 310</td>
<td>1.5</td>
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<tr>
<td>Minimum of 1.5 additional upper-level course units</td>
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<tr>
<td>Electives</td>
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BSc Major in Geomatics (Geomatics Option)

First Year

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<tr>
<th>Course</th>
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<tbody>
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<td>CSC 110 and 115</td>
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<tr>
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<tr>
<td>Math 100 or 102</td>
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<tr>
<td>Math 122</td>
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<td>Electives</td>
<td>6.0</td>
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<tr>
<td>Total Units</td>
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Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CSC 225, 226, 228 and 228 (see Note 2 under Course Requirements)</td>
<td>4.5</td>
</tr>
<tr>
<td>GEOG 409, 211, 218</td>
<td>4.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>Total Units</td>
<td>15.0</td>
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Third and Fourth Years

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CSC 360 and 370</td>
<td>3.0</td>
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<tr>
<td>GEOG 319 or 322</td>
<td>1.5</td>
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<tr>
<td>GEOG 328 or 329</td>
<td>1.5</td>
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<td>GEOG 323 or 325</td>
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<tr>
<td>At least three courses from GEOG 413, 414, 418, 420 and 422</td>
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<tr>
<td>At least two courses from GEOG 306, 347A, 347B, 382, 383, 384, 388, 482, 483</td>
<td>3.0</td>
</tr>
<tr>
<td>Minimum 3.0 additional upper level Geography units chosen by the student</td>
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<tr>
<td>SENG 310</td>
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<tr>
<td>Minimum of 1.5 additional upper-level course units</td>
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<tr>
<td>Electives</td>
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<tr>
<td>Total Units:</td>
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</tbody>
</table>
## FACULTY OF SOCIAL SCIENCES

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

<table>
<thead>
<tr>
<th>First Year</th>
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<tbody>
<tr>
<td>GEOG 101A (1.5)</td>
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<td>GEOG 101B (1.5)</td>
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<tr>
<td>GEOG 110 (1.5)</td>
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<td>GEOG 120 (1.5)</td>
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</table>

(Prerequisites as specified under individual course descriptions)

| GEOG 209 (1.5) | Introduction to Resource Management |
| GEOG 211 (1.5) | Economic Geography |
| GEOG 218 (1.5) | Cultural Geography |
| GEOG 219 (1.5) | Geography of British Columbia |
| GEOG 222 (1.5) | Introduction to Geographical Information |
| GEOG 226 (1.5) | Introduction to Quantitative and Qualitative Methods in Geography |
| GEOG 228 (1.5) | Digital Geomatics |

<table>
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<th>Second Year</th>
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<td>(Prerequisites as specified under individual course descriptions)</td>
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<tr>
<td>GEOG 324 (1.5)</td>
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<td>GEOG 457 (1.5)</td>
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<td>GEOG 458 (1.5)</td>
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</tbody>
</table>

### Department of Political Science

Colin J. Bennett, BSc, MSc Econ (Wales), PhD (Ill), Professor and Chair of the Department

Michelle Bonner, BA, MA (McGill), PhD (Toronto), Assistant Professor

A. Claire Cutler, BA (Brit. Coll), MSc (LSE), LLB (McGill), PhD (Brit Coll), Professor

Avigail Eisenberg, BA (Alta), MA, PhD (Queen’s), Associate Professor

Cosmo Howard, PhD (Australia National University), Assistant Professor

Matt James, BA (Queen’s), MA, PhD (Brit Col), Assistant Professor

Arthur Kroker, BA (Windsor), MS (Purdue), PhD (McMaster), Professor and Canada Research Chair

James Lawson, BA (Trent), MA (Dal), PhD (York), Assistant Professor

Warren Magnusson, BA (Man), BPhil, DPhil (Oxford), Professor

Dennis Pilon, BA, MA (SFU), PhD (York), Assistant Professor

Oliver Schmidtko, Dipl (Phillips-Universität), PhD (European Univ. Inst., Florence), Associate Professor and Director of the European Studies Program

James H. Tully, BA (Brit Col), PhD (Camb), Professor

Amy C. Verdun, MA (Amsterdam), PhD (European Univ. Inst., Florence), Professor

R. B. J. (Rob) Walker, BA (Wales), MA, PhD (Queen’s), Professor

Scott Watson, BA, MA (Waterloo), PhD (UBC), Assistant Professor

Michael C. Webb, BA (Brit Col), MSc (LSE), PhD (Stan), Associate Professor

R. Jeremy Wilson, BA, MA (Alta), PhD (Brit Col), Professor

Guoqiang Wu, BA (Beijing), MA, PhD (Princeton), Associate Professor

Feng Xu, BA (Beijing), MA, PhD (York), Assistant Professor

### Visiting, Adjunct and Cross-listed Appointments

Gerald Alfred, BA, MA, PhD (Cornell), Cross-listed Professor

Dennis Anholt, BA (Missouri State), MSW (Toronto), PhD (UVic), Adjunct Associate Professor
The Honours program requires completion of:
1. 21 units of Political Science courses numbered at the 300 and 400 level and that include:
   - POLI 338
   - POLI 339
   - POLI 499
   - at least one of the core courses (marked * in the course index on page 213) in each of Groups I-IV
2. Either 6 units in one of the Groups I-IV or 6 units organized around a program of specialized study approved by the Honours Adviser and the student's supervisor.

Honours Graduation Standing
Graduation with Honours in Political Science requires:
1. a graduating average of 5.5 or higher
2. an average of 5.5 or higher in the best 21 units of Political Science at the 300 and 400 levels
3. at least a grade of B in POLI 499
Graduation with Honours in Political Science "With Distinction" requires:
1. a graduating average of 6.5 or higher
2. an average of 6.5 or higher in the best 21 units of Political Science at the 300 and 400 levels
3. at least a grade of A- in POLI 499
Students in the Honours program who achieve a graduating average of 6.5 or higher but who receive a grade lower than A- in POLI 499 may elect to graduate with a Major degree "With Distinction" rather than with an Honours degree. Honours students are required to consult the Honours Adviser in the Department when planning their programs for the third and fourth years.

Major Program
Students intending to major in Political Science are required to complete:
1. 6 units of Political Science courses at the 100 and 200 levels, 4.5 of which must be chosen from POLI 101, 102, 202, 210 and 240 and a grade of at least C+ in each of the courses being counted toward this requirement. It is strongly recommended that these courses be taken during the first two years of a student's program because no more than 6 units of upper-level Political Science courses will be counted towards the Major degree requirements before the grade requirement for the lower-level courses has been met.
2. 15 units of Political Science courses at the 300 or 400 level, including at least one of the core courses (marked * in the course index below) from each of the Groups I-IV.
Major students are also strongly encouraged to take at least one of the courses on political analysis (POLI 338, 339 or 351).

Seminar courses are open only to students registered as Political Science Majors or Honours, or to non-Majors having the permission of the instructor. Enrollment in seminar courses is limited to 20 students, while in other upper-level courses the limit is 50 students.
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 (Lyncome Coll), MA, PhD (Syr), Lsandowne Professor of Psychology
Bennie J. Leadbeater, BSc, MAEd (Ottawa), PhD (Calif, Edinburgh, Sunderland), Professor
D. Stephen Lindsay, BA (Reed Coll), MA, PhD (Prent), Professor
Michael E.J. Mason, BA (UBC), MA, PhD (Colo), Professor
Catherine A. Mateer, BA, MSc (Wis, Madison), PhD (W Ont), Professor
Timothy Stockwell, MA.Hons (Oxford), MSc (U of Surrey), PhD (London, UK), Professor
Esther H. Strauss, BA (McG), MA (Northeastern), Med (Bost), PhD (Tor), Professor
James W. Tanaka, BA (Calif, Santa Cruz), PhD (Oregon, Eugene), Professor
Holly A. Tuokko, BA, MA (Lake), PhD (UVic), Professor
Catherine L. Costigan, AB (Cornell), MA, PhD (Michigan), Associate Professor
Marion F. Ehrenberg, BA (McG), MA, PhD (S Fraser), Associate Professor
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/Che Med Sch), Associate Professor
Christopher E. Lalonde, BA, MA, PhD (UBC), Associate Professor
Ulrich Mueller, Diplom-Psychologe (TU Braunschwieg), PhD (Temple), Associate Professor
Marsha G. Runtz, BSc, MA, PhD (Man), Associate Professor
Ronald W. Skelton, BSc (Bishop's), MA (Concordia), PhD (UBC), Associate Professor
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 Hons (Winnipeg), MSc, PhD (Victoria), Assistant Professor
Julie S. Rodgers, BA (Carleton), PhD (Calif, Berkeley), Assistant Professor
Erica Woodin, BS (Wash.), MA, PhD (Stony Brook), Assistant Professor
Valerie A. Gonzales, BSc (USC), MSc, PhD (UVic), Senior Instructor
Lara K. Robinson, BA (UBC), MA, PhD (U of S), Senior Instructor
Martin S. Smith, BA (S Fraser), MA, PhD (York), Senior Instructor
Thomas Allen, BSc (UVic), Programmer Analyst
Annette Barath, BA (UVic), Administrative Officer

FACULTY OF SOCIAL SCIENCES

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 webTT 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 337
POLI 338
POLI 340
POLI 341
POLI 342
POLI 343
POLI 344
POLI 345

IV Contemporary Themes and Issues in Political Science

POLI 323
POLI 324
POLI 325
POLI 326
POLI 327
POLI 328
POLI 329
POLI 330

Consult webTT or the Department’s website: course instructors, prospective students should consult webTT or the Department’s website: <web.uvic.ca/polisci/>.
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 THEA 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 offered as individual studies or directed readings at any time. Students seeking an exemption from these restrictions must make a formal application to the Department under-graduate 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, NJ at least six weeks prior to the time of writing. For more information including examination schedules, ask for a GRE Registration Bulletin from Counselling Services.

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 (Cornett A224). 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
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, WRT 100 or 102.
- **Philosophy**: any 1.5 units; recommended courses include PHIL 100, 201, 203, 220, 223, 304A, 306, 310, 342A, 420, 453, 460.

*Note: An additional 1.5 units of Philosophy is required if PHIL 201, 203 or 304A is taken to satisfy the Mathematics and Logic requirement.*

- **Social Sciences**: 3 units in any combination of courses in Anthropology, Economics, Environmental Studies, Geography or Political Science.
*Note: Sociology courses are encouraged as adjuncts to the Psychology program, but do not fulfill the Social Sciences breadth requirement.*

Electives

As per Faculty of Social Sciences regulations (see page 199).

**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 EPHE courses (EPHE 141, 241A, 241B only). At least 6.0 units of these 9.0 units must come from a single department, other than EPHE.

**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 201).

**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 311, 315, 330, 360, 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.

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 5.5 in the last 15 units attempted. Other course numbers are not offered as individual studies or directed readings at any time. Students seeking an exemption from these restrictions must make a formal application to the Departmental undergraduate adviser.

**Combined Biology and Psychology Program Requirements**

Both Major and Honours BSc degrees are offered in the Combined Biology and Psychology Program. These are not joint degrees in Biology and Psychology, but single degree programs composed of a selected combination of courses from each of the departments. These programs are intended for students with interests and career goals in any area of neuroscience, including neuroethology, human biology, medicine, dentistry, or nursing. Students should consult with undergraduate advisers in both departments when planning their course schedules.

**Combined Major in Biology and Psychology**

**Core Course Requirements**

- BIOL 190A, 190B (or 210 and 220) ........................................3.0
- PSYC 100A, 100B ..................................................3.0
- BIOL 225 ................................................................1.5
- PSYC 201 ................................................................1.5
- PSYC 210 ................................................................1.5
- PSYC 215A ..............................................................1.5
- Total core ................................................................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 electives ............................3.0
- Total BIOL and PSYC units ......................................15.0
- Minimum BIOL and PSYC units ...............................27.0

**Other Requirements**

- 3 units of English 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
- CSC 100 or 105 ..........................................................1.5
- Total Other Requirements ............................................19.5
- Electives ....................................................................13.5
- Total units .................................................................60.0

**Combined Honours in Biology and Psychology**

**Core Course Requirements**

- BIOL 190A, 190B (or 210 and 220) ..................................3.0
- PSYC 100A, 100B ....................................................3.0
- BIOL 225 ................................................................1.5
- PSYC 201 ................................................................1.5
- PSYC 210 ................................................................1.5
- PSYC 215A ..............................................................1.5
- Total core .................................................................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
Either Biology or Psychology thesis
BIOL 499 and BIOL 460 ................................. 4.0
or
PSYC 499 ........................................................ 3.0
Total BIOL and PSYC units ............................ 16.5 or 17.5
Minimum BIOL and PSYC units ...................... 28.5 or 29.5

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
BIOC 200 .......................................................... 1.5
PHYS 102 or 112 ................................................ 3.0
CSC 100 or 105 .................................................. 1.5
Total Other Requirements ............................... 19.5
Electives ............................................................ 12.0
Total units ..................................................... 60.0 or 61.0

Other Courses of Potential Interest (Electives)
• BIOL 215
• BIOL 230
• BIOL 307
• BIOL 360 (required for BIOL 309)
• BIOL 361
• BIOL 321 and 322
• BIOL 335
• BIOL 400
• BIOC 300A (required for BIOC 360, 361, medical
  school)
• BIOC 300B (required for BIOC 361, medical
  school)
• MATH 101 or other MATH courses
• MATH 377
• PHIL 100, 201/203, 220, 342A, 460
• EPHE 141
• EPHE 241B
• EPHE 341
• PSYC 311B
• PSYC 317A
• PSYC 332
• PSYC 391
• PSYC 415A
• PSYC 424
• PSYC 491

1. Core GPA requirement: For core Psychology
courses, the GPA requirements and 6-unit limit on
upper-level courses are the same as for regular
Psychology programs. Core Biology courses re-
quire a minimum C+ to count towards this com-
bined 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 re-
quired to satisfy university requirements.
4. Admission and Graduation Standing require-
ments 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
degree in Psychology are advised to take
PSYC 300A and 300B
7. Majors planning to undertake graduate
studies in biopsychology are advised to ac-
quire experience in a research laboratory through
paid, volunteer, or Directed Studies positions.

Combined Major in Psychology and
Computer Science
The Department of Psychology and the De-
partment of Computer Science have designed a pro-
gram leading to a combined BSc Major Degree.
Students intending to pursue this combined pro-
gram must consult the Undergraduate Ad-
viser in either Psychology or Computer Science
at the latest after completing all of the first-year
requirements (Note 5).

Year 1
BIOL 190A or 215, 190B ................................. 3.0
CSC 110, 115 ................................................. 3.0
ENGL 115 or 135............................................. 1.5
MATH 151, 122 ............................................. 3.0
PSYC 100A, 100B .............................................. 3.0
Elective ........................................................... 1.5
Total .......................................................... 15.0

Year 2
CSC 212, 225, 230 ............................................ 4.5
ENGR 240 ..................................................... 1.5
MATH 102, 222 ............................................. 1.5
PSYC 201, 215A .............................................. 3.0
SEN 265 ..................................................... 1.5
Electives .......................................................... 1.5
Total .......................................................... 15.0

Year 3
1 of CSC 322, 326, 360, 370 ............................ 1.5
PSYC 300A and 300B or STAT 255 and 256 ............................ 3.0
PSYC 300 level3 ............................................. 3.0
SEN 310 or CSC 320 ...................................... 1.5
Electives .......................................................... 6.0
Total .......................................................... 15.0

Year 4
CSC 421 or CENG 420 .................................. 1.5
CSC 400 level4 ............................................. 4.5
CSC 497 ........................................................ 1.5
PSYC 300/400 level5 ..................................... 4.5
Electives .......................................................... 3.0
Total .......................................................... 15.0

1. Students can replace MATH 151 and 102 with
  MATH 100 and 101.
2. Minimum grade requirements:
   - PSYC 100A and 100B with a grade of at least
     C+ in each
   - PSYC 201, 215A with a grade of at least C in each
   - PSYC 300A, 300B with a grade of at least C in each
3. These 7.5 units of 300 and 400 level PSYC must
   include at least one 400 level PSYC course other
   than PSYC 400A, 401, 490, or 499. The following
   upper-level courses are suggested according to
   student interests:
   Artificial Intelligence:
   PSYC 311B, 317A, 317B, 323 (215A is a prereq-
   uisite), and related 400-level courses

Human Factors and Computer-Human
Interfaces:
PSYC 311B, 317A, 317B, 334, 350 and related
400-level courses

Video-Game Development:
PSYC 311B, 335, 336, 339, 340 and related
400-level courses

4. One of these CSC 400 level courses may be re-
placed by a SENG 400 level course.
5. Students in this combined program who wish to
participate in the Co-op Program must be
accepted by the Co-op Programs of both Computer
Science and Psychology. They must complete two
work terms in each Co-op program in order to
complete their Co-op degree requirements. Should
the admission and graduation requirements vary
in the two program areas, students must meet the
lower GPA requirement.
6. Students choosing Computer-Human Interface
courses in Psychology should enroll in SENG 310.
All other students should enroll in CSC 320.

PSYCHOLOGY CO-OPERATIVE
EDUCATION PROGRAM
The Co-operative Education Program in the Fac-
ulty of Social Sciences is described on page 202.
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 com-
bine their academic studies with four 4-month
periods of paid employment in Psychology-re-
lated positions in the public, private or non-
profit sectors.

Admissions to the Psychology Co-op
Program
Entry into the Psychology co-op program is re-
stricted to full-time students (those taking 6 or
more units per term) who are proceeding to an
Honours or Major program offered by the De-
partment. 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 require-
ments, 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 adver-
sised 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 satisfac-
torily 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 per-
mitted 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 (Carleton), MA, PhD (McMaster), FRSC, Professor
Aaron H. Devor, BA (York), MA (Simon Fraser), PhD (Washington), Professor
Benedikt Fischer, BA, MA (Konstanz), PhD (Toronto), Professor
Richard L. Ogmundson, 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 (Minnesot), Associate Professor
Martha McMahan, 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 (CUNY), Assistant Professor
Helga Hallgrimsdottir, BA (Calgary), MA, PhD (Western Ontario), Assistant Professor
Sean P. Hier, BA, MA (Guelph), PhD (McMaster), Assistant Professor
Karen M. Kobayashi, BSc, MSc (Waterloo), PhD (Simon Fraser), Assistant Professor
Kathleen Rodgers, BA (McGill), MA (Toronto), PhD (McGill), Assistant Professor
André Smith, BSc, BSW, MSW (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

Adjunct Appointments

Singh Bolaria, BA (Punjab), MA (Kansas State), PhD (Washington State), Adjunct Professor

Thomas K. Burch, BA (Loyola), MA (Fordham), MA (Princeton), PhD (Princeton), Adjunct Professor
Barry Edmonston, BA, MA (Oregon), PhD (Michigan), Adjunct Professor
James C. Hackler, BA (U.C., Berkeley), MA (San José), PhD (Washington), Adjunct Professor
Sharon M. Lee, BA (Rochester), MA, PhD (Princeton), Adjunct Professor
Susan McDaniel, BA (Massachusetts), MA (Cornell), PhD (Alberta) Adjunct Professor
Dorothy E. Smith, BSc (London), PhD (U.C., Berkeley), Adjunct Professor
Ken Hatt, BA (Redlands), MA (LA), PhD (Alberta), Adjunct Associate Professor
Francis Adu-Febiri, BA (Ghana), MA (Simon Fraser), PhD (UBC), Adjunct Assistant Professor
Andrew D. Hathaway, BA, MA (Calgary), MA (McMaster), Adjunct Assistant Professor
Mikael Janson, BA, MA (Alberta), PhD (Western Ontario), Adjunct Assistant Professor
Sara Leiserson, BA, MA, PhD (York), Adjunct Assistant Professor
William A. Little, B.A. (Victoria), MA (York), PhD (Victoria), Adjunct Assistant Professor

SOCILOGY PROGRAMS

The Department offers Honours, Major, General and Minor programs leading to the degree of Bachelor of Arts. Students interested in any of these programs are urged to consult the Departmental Undergraduate Adviser as early as possible.

The Honours program is recommended for students planning to do graduate work in Sociology. The Major program permits students to pursue a variety of career options requiring baccalaureate-level training that require a specialization in Sociology. The General and Minor programs provide maximum flexibility in selection of courses in Sociology, but do not provide extensive coursework in methodology and theory. Students in the Major or Honours programs may also elect to add a concentration in either Health and Aging, or Social Justice and Social Change.

Students with questions about the Department’s programs or courses may arrange to meet with a Sociology Undergraduate Adviser through the Departmental General Office in Cornett A333. Arrangements to meet with the Sociology Honours Adviser may also be made through the Sociology General Office.

Program Requirements

Requirements Common to all Sociology Programs

Students should read carefully all the information for the Faculty of Social Sciences, especially the Faculty Program Requirements. SOCI 100A and SOCI 100B are required for all programs and should normally be taken in the first year; they may be taken in any order, or concurrently. SOCI 210 and 211 are also required in all programs, and are normally taken in the second year. All students must also complete 3 units of university-level English or Writing courses, with a GPA of 4.5 or better, before they are allowed to declare a program in Sociology.

Prerequisites for Third- and Fourth-year Courses

Completion of SOCI 100A and SOCI 100B, or at least third-year standing with a GPA in the immediately preceding session of 6.5 or better.

NOTE: while SOCI 100A and SOCI 100B are not formal prerequisites for third or fourth-year students with a GPA of 6.5 or higher, all upper-level courses require at minimum a basic knowledge of sociological concepts; these courses are therefore strongly recommended for these students.

Honours Program Requirements

Normally, the Honours program has the following requirements:
1. students apply for entry into the Honours Program at the end of their second year;
2. entry requires a GPA of at least 6.75 in Sociology courses completed and a GPA of at least 6.0 in all courses completed;
3. students must maintain a cumulative GPA of at least 6.0 to remain in the Honours Program.

Applications are made directly to the Departmental Honours Adviser. Note that students are strongly advised to take additional statistical courses (SOCI 371B, SOCI 472) if they intend to pursue graduate studies in Sociology.

The Honours Program offers students the opportunity to write a Graduating Essay (SOCI 499) under the supervision of a faculty member. The essay is usually either a library-research based review of literature on a sociological topic, including analytical comments and suggestions for future research, or a report of a piece of empirical research.

Students are referred to the Faculty of Social Sciences Honours Program Requirements, page 200

- SOCI 100A
- SOCI 100B
- SOCI 210
- SOCI 211
- SOCI 271
- SOCI 309
- SOCI 374
- SOCI 376
- TWO of SOCI 402, 412, and 481
- SOCI 499
- Plus 9.0 additional units in Sociology numbered 300 and above

1. SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, SOCI 402 and SOCI 412.
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
• SOCI 100A
• SOCI 100B
• SOCI 210
• SOCI 211
• SOCI 271
• SOCI 309
• SOCI 374
• SOCI 376
• TWO of SOCI 402, 412, and 481
• Plus 7.5 additional units in Sociology numbered 300 and above.
1. SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, 402 and 412.

General and Minor Program Requirements
• SOCI 100A
• SOCI 100B
• SOCI 210
• SOCI 211
• Plus 9.0 additional units in Sociology numbered 300 and above.

Concentration in Health and Aging
The sociology of health and aging incorporates the sociology of health and health care (including medical sociology), the sociology of aging, and the intersection of these areas. It includes topics such as changing population characteristics; health practices and the lived experiences of wellness, illness, and dying; health policies and health care systems. It considers particular age groups as well as the whole life course, and is not exclusively focused on old age. Inequalities of age, class, gender, and race/ethnicity are addressed in all topical areas.
Doing a concentration in Health and Aging requires the same number of total units as for a Major or Honours Degree in Sociology. Students must also complete the core course, SOCI 285, Health over the Life course, and choose 3 electives from the following courses:

SOCI 343 Population Dynamics
SOCI 345 Sociology of Mental Health
SOCI 385 Sociology of Aging
SOCI 443 Population Problems and Policies
SOCI 445 Sociology of Health and Illness
SOCI 488 Sociology of Death and Dying

Concentration in Social Justice and Social Change
This concentration highlights a family of approaches to sociology that view the discipline as engaged with the issues, problems, and struggles of our times. It is critical of social inequality, emphasizes the power that social actors have to change these social inequities, and is engaged in developing solutions to social inequity. Topics include social injustice, social inequality, the transformative potential of social movements, the relationship between sociological research and social policy, and historical perspectives on the ways in which sociology has been engaged with social control, social reform, and social activism.

Doing a concentration in Social Justice and Social Change requires the same number of total units as for a Major or Honours Degree in Sociology. Students must also complete the core courses, SOCI 450, Sociology and Social Justice, and SOCI 373, Critical Research Strategies, and choose 2 electives from the following courses:

SOCI 328 Diversity and Equity
SOCI 307 Regulation and Social Control
SOCI 315 Class, Status, and Power
SOCI 316 Social Movements
SOCI 335 Racialization and Ethnicity
SOCI 381 Sociology of Gender
SOCI 401 Sociology of Law
SOCI 418 Social Change
SOCI 481 Feminist Theory

Sociology Co-operative Education Program
The Co-operative Education Program in the Faculty of Social Sciences is described on page 202. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 45.

The Sociology Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Sociology-related positions in the public, private or non-profit sectors.

Admissions to the Sociology Co-op
Entry into the Sociology 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 Sociology Co-op Program, students must have completed, by the end of their second year, SOCI 100, 210 and 211 (or their equivalents) with a GPA of at least 5.0. In addition to these grade and course requirements, admission will be based on a student’s interests and abilities.

Students interested in participating in the Co-op Program should normally apply at the beginning of their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 4.0. Each work term is recorded on the student’s official transcript of academic record (as COM, N or F). A student may withdraw from the Sociology Co-op Program and graduate with the normal Sociology BA degree without the Co-operative Education designation.

Admissions to the Sociology Co-op Program should normally apply at the beginning of their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 4.0. Each work term is recorded on the student’s official transcript of academic record (as COM, N or F). A student may withdraw from the Sociology Co-op Program and graduate with the normal Sociology BA degree without the Co-operative Education designation.

Work term credit by challenge, page 45, is permitted in the Sociology Co-op Program.

Further information concerning the Sociology Co-op Program may be obtained from the Department and from the Social Sciences Co-operative Education office (University Centre, B202).
Interdisciplinary Programs

The University of Victoria offers a number of interdisciplinary degree and diploma programs at the undergraduate level that do not reside in a single academic unit. These programs allow students to undertake course work from more than one discipline.

In addition to the programs described in this section, some faculties at UVic offer interdepartmental or interfaculty degree programs. For details, consult specific faculty or department entries.

Arts of Canada Program

The Faculty of Humanities and the Faculty of Fine Arts jointly offer an interdisciplinary program in the Arts of Canada, intended to give students the opportunity to gain a broad knowledge of Canada's artistic diversity. This is a General Program leading to the BA degree (see General Program, page 141). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program in another Department or Faculty (see Minor Program, page 141).

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>
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<tbody>
<tr>
<td></td>
<td>ENGL 450 (1.5) Modern Canadian Fiction</td>
</tr>
<tr>
<td></td>
<td>ENGL 451 (1.5) Contemporary Canadian Fiction</td>
</tr>
<tr>
<td></td>
<td>ENGL 452 (1.5) Modern Canadian Poetry</td>
</tr>
<tr>
<td></td>
<td>ENGL 453 (1.5) Contemporary Canadian Poetry</td>
</tr>
<tr>
<td></td>
<td>ENGL 455 (1.5) Canadian Literature in Transnational Times</td>
</tr>
<tr>
<td></td>
<td>ENGL 456 (1.5) Literature of British Columbia</td>
</tr>
<tr>
<td></td>
<td>ENGL 457 (1.5) Literary and Cultural Criticism in Canada</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English</th>
<th>ENGL 458 (1.5) Comparative Studies in Contemporary French and English Canadian Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 459 (1.5) Early Canadian Literature</td>
</tr>
<tr>
<td></td>
<td>ENGL 476 (1.5) Indigenous and Diasporic Literatures in Canada</td>
</tr>
<tr>
<td></td>
<td>ENGL 477 (1.5) Indigenous Literature in English</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fine Arts</th>
<th>FA 315 (1.5 or 3.0) Introduction to Canadian Cultural Policy</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>FA 360 (1.5 or 3.0) Introduction to Issues in Arts Criticism</td>
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</tbody>
</table>

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<thead>
<tr>
<th>French</th>
<th>FREN 389B (1.5) Quebec Cinema</th>
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<tbody>
<tr>
<td></td>
<td>FREN 480 (1.5) The French-Canadian Novel from Origins to the Modern Period</td>
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<tr>
<td></td>
<td>FREN 482 (1.5) Contemporary French-Canadian Novel</td>
</tr>
<tr>
<td></td>
<td>FREN 484 (1.5) Contemporary French-Canadian Theatre</td>
</tr>
<tr>
<td></td>
<td>FREN 485 (1.5) French-Canadian Poetry</td>
</tr>
<tr>
<td></td>
<td>FREN 487 (1.5) Comparative Studies in Contemporary French and English Canadian Literature</td>
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<td></td>
<td>FREN 488D (1.5) French-Canadian Literature Outside Quebec</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>History in Art</th>
<th>HA 368A (1.5) History of Early Canadian Art</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>HA 368B (1.5) History of Twentieth Century Canadian Art</td>
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<tr>
<td></td>
<td>HA 382A (1.5) Native North American Arts</td>
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<tr>
<td></td>
<td>HA 382B (1.5) Native North American Arts</td>
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<tr>
<td></td>
<td>HA 382C (1.5) Native North American Arts</td>
</tr>
<tr>
<td></td>
<td>HA 384 (1.5) Arts of the Northwest Coast</td>
</tr>
<tr>
<td></td>
<td>HA 468 (1.5) Special Studies in Canadian Art</td>
</tr>
<tr>
<td></td>
<td>HA 480 (1.5 or 3.0)* Topics in 20th Century Native North American Art</td>
</tr>
<tr>
<td></td>
<td>HA 482 (1.5)* Special Studies in Tribal Arts</td>
</tr>
</tbody>
</table>

| Writing                     | WRIT 330 (1.5) Canadian Media and Culture                                               |

Although there is no formal language requirement for the Program, students are strongly advised to develop proficiency in French.

Students are strongly urged to take advantage of electives which provide a strong historical, sociological, economic, linguistic, political background to the study of Canadian arts. These should be chosen in consultation with the Director of the Program.

Film Studies Program

The Faculties of Humanities and Fine Arts jointly offer a General Program in Film Studies. This program leads to the BA degree (see General Program, page 141). 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 141). 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:

<table>
<thead>
<tr>
<th>English</th>
<th>ENGL 413 (1.5) Studies in Film and Literature</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 414A (1.5) American Film Before World War II</td>
</tr>
<tr>
<td></td>
<td>ENGL 414B (1.5) American Film After World War II</td>
</tr>
<tr>
<td></td>
<td>ENGL 415 (1.5) Special Studies in Film</td>
</tr>
</tbody>
</table>

| Fine Arts                   | FA 305 (1.5 or 3.0) Theory and Practice of Film and Video Direction                     |

<table>
<thead>
<tr>
<th>French</th>
<th>FREN 385 (1.5) The Francophone World in Africa and the Caribbean</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FREN 389A (1.5) French Cinema</td>
</tr>
<tr>
<td></td>
<td>FREN 389B (1.5) Quebec Cinema</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Music</th>
<th>MUS 324 (1.5 or 3.0) Music in Canada</th>
</tr>
</thead>
</table>

| Theatre                     | THEA 414 (1.5) Studies in Canadian Theatre and Drama                                    |
Indigenous Studies Program

The Faculty of Humanities and the Faculty of Social Sciences jointly offer an interdisciplinary program in Indigenous Studies intended to provide both indigenous and non-indigenous students with a core program incorporating indigenous world views and ways of knowing. This is a general program leading to the BA degree (see General Program, on page 141 and on page 201). 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 141 and on page 202; Interfaculty Programs, on page 141 and on page 201).

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 104, 141 and 201). 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.

Religious Studies

The Faculty of Humanities offers an interdisciplinary Minor in Religious Studies intended to benefit students (from either academic or professional programs) seeking greater appreciation of religious perspectives. The program reflects the growing diversity of belief systems within Canada and emphasizes the need to understand differences between religions in our increasingly interconnected world. Students will be introduced to the major world religions and contemporary religious issues, learn ways of understanding religion and develop their knowledge of a specific religious subject.

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 Program, page 141). If any course forms part of the student’s Honours, Major, or General program, it must be used to fulfill the requirements for the Minor in Religious Studies.

Students in this program will be required to complete 6 units of core courses (RS 200A and 200B, and RS301 and 302) as well as 6 units of electives (chosen from an approved list of 200-400 level courses from Humanities, Social Sciences and Fine Arts) for a total of 12 units.

Queries about this program should be directed to the Religious Studies Minor Program Director, c/o Interdisciplinary Studies Office, Clearihue C155. Our website is <web.uvic.ca/rels>.

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...
INTERDISCIPLINARY PROGRAMS

the Division of Continuing Studies. The program is especially designed to provide short, integrated academic programs for international and Canadian students. For information on the Certificate in Canadian Studies, see the Division of Continuing Studies Calendar.

The Program objectives are to:
• introduce students to the study of Canada from different perspectives and locations;
• provide a supportive academic environment to assist international students in making the transition to a Canadian university;
• assist international students in developing their English (French) language skills;
• encourage dialogue between Canadian and non-Canadian students at the University of Victoria.

Students are admitted to the Diploma Program on the recommendation of the Faculty Coordinator and/or the Chair of the Program Steering Committee. Proficiency in English will be a major criterion for admission of international students; therefore, an enriched program for language skill development such as the University Admission Preparation Course (UAPC) is essential. To remain in the Program, students must maintain a Grade Point Average of at least 4.0.

The Diploma Program in Intercultural Education and Training Program is designed to provide students with the resources needed to deal with a wide range of ethical problems. 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

Students are required to take:
1. PHIL 232 plus either PHIL 337 or PHIL 335
2. A further 6.0 units from a list of electives available on Minor in Applied Ethics webpage. To bring the total number of credits counted 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 232, 335 and 337 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, c/o Department of Philosophy.

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**Diploma Program in Intercultural Education and Training**

Chair, Program Steering Committee: Dr. Alison Preece

The Interdisciplinary Diploma Program in Intercultural Education and Training (IE&T) has been designed for part-time or full-time study for students and professionals working or planning to work in a multicultural or cross-cultural environment. Participants can expect to acquire:
• a clearer understanding of the problems connected with intercultural relations and cross-cultural communication, and the various approaches to their explication;
• a clearer understanding of issues concerning cultural conflicts, racism, power, and equity;
• skills which will facilitate intercultural relations and cross-cultural communication in the workplace, in the local community, and in international settings;
• skills which will assist in reducing conflict and inequality based on racism and ethnocentrism.

The curriculum is designed to develop both knowledge and skills, and consists of interdisciplinary credit courses totalling 18 units, apportioned as follows:

- Core courses: 7.5 units
- Electives: 7.5 units

**EITHER**

- Practicum: 3.0 units
- Final Project: 3.0 units

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**Humanities Diploma Program**

Faculty Coordinator, Dr. Jan Zwicky

The Diploma Program in the Humanities is designed primarily for mature students who wish to explore possibilities for study in the Humanities without committing themselves to a full degree program. Candidates must have sought and obtained admission to the University. Students are admitted to the Diploma Program on the recommendation of the Faculty Coordinator and/or the Chair of the Program Steering Committee.

Students may complete the program on a part-time basis, but must complete successfully at least 18 units of course work over a period of two to six years. Diploma students, with the guidance and assistance of a Faculty Coordinator, will arrange the program of courses organized around a particular theme or period. Students may select courses from Faculties and Divisions other than the Faculty of Humanities, but such selection will be subject to the permissions of the departments involved and to the approval of the Faculty Coordinator.

In the first year of their program students must take HUMA 100, a credit seminar, and HUMA 010, a brief non-credit orientation seminar. To remain in the program and to graduate in the program, Diploma Candidates must maintain a Grade Point Average of at least 4.0.

Credit obtained within the Humanities Diploma Program may be transferable to a regular undergraduate degree program. However, such transferability of credit is always subject to the specific requirements of the degree program.

The program is administered jointly by the Faculty of Humanities and by the Division of Continuing Studies. All inquiries concerning details and regulations of the program should be addressed to Brenda Weatherston, Division of Continuing Studies, (250) 721-8504; or ciet@uvcs.uvic.ca. Information is also available at: <www.uvc.uvic.ca/iet>.
Division of Continuing Studies

Office of the Dean
Maureen M. MacDonald, BA, LLB (Manitoba), MBA (McGill), PhD (North Dakota), Dean

Administration
Wayne Brunsdon, CA, BCom (Sask), Manager, Administrative Services
Christina Gambrell, Program Coordinator, Student Recruitment
Nasha Jiang, BSc (Xiamen), Network Administrator and Programmer
Robert Newans, Network Administrator
Charlotte Sheldrake, BA, MEd (UVic), Program Coordinator, ESL Online Development Group
Timothy Smith, Manager, Information Services

Arts and Science Programs
Didier Bergeret, BA, MA (Besançon), BEd (Alberta), Program Coordinator
Janet Pivnick, PhD (Calgary), Program Coordinator
Janet King, BA (UVic), Program Coordinator
Heather McRae, BRE (UBC), MSc (Oregon), Program Director

Business, Management and Technology Programs
Elisabeth Bach, MEd (Germany), Program Coordinator
Richard Minick, MBA (Nebraska), BSBA (Creighton), CPA (US), Program Director
Raveen Sanghera, BCom, MBA (UVic), Program Coordinator (on leave)
Rhordon Wickramatilake, BA, MPA, PhD (UVic), Instructor and Curriculum Developer
Patricia Webster, Program Coordinator

Continuing Studies in Education
Alison Brophey, BA (Western), BEd (Nipissing), Program Coordinator
Roger Howden, BA (San Jose), MA (SFU), Program Director
Beverly Smith, BSc, MSc (UVic), PhD (Oxford), Program Coordinator (on leave)

Continuing Studies Library Service
Carol Gordon, BA (Brock), MA (McMaster), MLiBSc (UBC), PhD (McMaster), Head Librarian

Cultural Management Programs
Robyn Fila, MA (Linköping), BA (UVic), Program Coordinator
Anissa J. Paulsen, MA (San Francisco State), BA (Northwestern), 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 (on leave)
Katherine Seaborne, BA, MEd (UVic), MA (Northwestern), EdD (Deakin), Manager
Judith Somers, BA (Wash State), Multimedia Designer and Producer/Distance Education Consultant
Keith Webster, BA (UVic), Online Course Developer and Administrator/Distance Education Consultant
Trevor Pearce, BA (UVic), Online Course Developer/Onlinehelp Desk Consultant

English Language Centre
Donna Brown, MEd, BSc (UVic), Program Coordinator
Lily Chow, BEd, MEd (UVic), Program Coordinator
Byron Crossley, BA (UVic), ESL Educational Technology Consultant
Don Mellings, Program Coordinator
Sandra Partridge, BA (UVic), Program Coordinator
Jacqueline Prowse, BA (UVic), MEd (Temple), EdD (Calgary), Co-Director
Deborah Shepherd, BA (Malaspina), Program Coordinator
Avril Taylor, BA (Bristol), MA (Surrey), Co-Director

Health Sciences and Public Relations Programs
Faith Collins, BSc (Mt St Vincent), BA, MEd, EdD (Seattle), Program Director (on leave)
Jill Shaw, BSc (Calgary), Program Coordinator (on leave)
May-Britt Marttala, MA Applied Linguistics (Leicester, UK), BA (UVic), Program Coordinator (term)
Laura Vizina, BSc (UBC), MEd (Calgary), Acting Program Director (Jan. to June 2008)

Promotion and Publications
Joan Kew, Program Coordinator
Matt Salik, Website Developer
Michael Turner, BA in Graphic Design (Middlesex), Manager

Continuing Studies Programs
To ensure access to the academic resources of the University of Victoria by a broad and diverse community of adult learners, the Division of Continuing Studies provides a broad range of on- and off-campus professional and personal development programs that complement and supplement degree programs offered at the University.

For further information on any program offered by the Division of Continuing Studies, please call or write:
Division of Continuing Studies
University of Victoria
PO Box 3030 STN CSC
Victoria BC V8W 3N6
Phone: (250) 472-4747
Fax: (250) 721-8774
Web: <continuingstudies.uvic.ca>

Credit Courses and Programs
The Division of Continuing Studies provides courses and programs for credit in the Faculties of Education, Humanities and Social Sciences. These include courses offered off campus as well as evening courses and programs offered on campus at UVic.

Information on credit courses and programs is available as follows:
• Credit courses offered off campus:
  • Distance Learning and Immersion Course Guide for Off-Campus Students (see Distance Education, below)
• On-campus evening courses and off-campus courses starting in September:
  • Consult the Web Timetable at <www.uvic.ca/webt>.

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 an-
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 (**).

### 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)
• Justice and Public Safety Leadership (Certificate Program)
• Native Species and Natural Processes (Professional Specialization Certificate)
• Public Relations (Certificate Program)
• Restoration of Natural Systems (Certificate and Diploma Programs)
• Teaching English as a Foreign Language (Professional Specialization Certificate)

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 available at <www.Englishworld.ca> include Beginner's Writing, Intermediate Writing and Advanced Writing.

Please visit our website <www.ukcs.uvic.ca/elc> for more information about the programs offered at the English Language Centre. You may also contact us by email elc@ukcs.uvic.ca, phone (250) 721-8469, or fax (250) 721-8774.

### University Admission Preparation Course

For information phone (250) 721-8469

The University Admission Preparation Course is a twelve-week course for students whose first language is not English, which prepares students to attend university in an English-speaking country.

Successful completion of the course enables students to enrol at UVic without writing a TOEFL exam.

### Conference Management

For information phone (250) 721-8473

Conference Management offers a conference registration service to assist University and other groups and organizations with delegate registrations for meetings, seminars and conferences, both on and off campus.
Division of Medical Sciences

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. Thirty two 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 as a result of partnerships with the Vancouver Island Health Authority and many island-based physicians. After successfully completing the four-year MD undergraduate program, graduates enter residency training across Canada and beyond in one of over 50 specialty areas. Post-graduate training ranges from two to six years.

Admission
Applications for admission are considered from candidates who are citizens or permanent residents of Canada and who have completed all other application requirements, as outlined on the UBC Faculty of Medicine Admissions website: <www.med.ubc.ca/admissionsmd/.
Applications are submitted to the Faculty of Medicine at UBC.
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

Howard Brunt, BA (Florida), MSc (Yale), PhD (Calg), 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 Omi), 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 MacPherson 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: <www.research.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 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, microwaves 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
The Centre for Biomedical Research (CBR) is a multidisciplinary unit with an emphasis on genetics, molecular biology; functional genomics of plant evolution, assets for health 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 Community Health Promotion Research

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 and the systemic changes required to promote health, particularly at the community level. Researchers at the Centre direct their efforts at facilitating change within communities and health systems provincially, nationally and internationally by linking policy, practice and research.

The vision of the Centre is to create equitable conditions for health through research, practice and education.

The Centre 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 areas 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, Aboriginal People's Health, Rural and Remote Health and International Health.

Website: <cht.uvic.ca>
E-mail: chtp@uvic.ca

Centre for Forest Biology

Barbara J. Hawkins, BSF(UBC), PhD (Cant), Department of Biology, Director

The purpose of the Centre is to carry out fundamental and applied research and to train graduate students and postdoctoral fellows in Forest Biology, emphasizing the adaptation of trees and their interactions with the environment. Faculty members collaborate and work in close association with scientists from Forestry Canada at the Pacific Forestry Centre (PFC) and the B.C. Ministry of Forests and Range (MOFR) Research Branch. Also, associations with the forest industry and forest industry laboratories are maintained in order to ensure maximum technology transfer. The knowledge generated is disseminated through scientific publications, conferences, lectures and through the diverse academic courses offered by the Centre.

Research topics which can be pursued under the auspices of this Centre include: conifer embryogenesis; plant stress physiology; plant and fungal molecular biology; functional genomics of plant natural product metabolism; plant-pest interactions; microbial ecology; and carbon sequestration by forests and soils.

Cooperating University departments are: Biology and Biochemistry and Microbiology. Graduate students wishing to take part in the work of the Centre register with an appropriate University Department, but may conduct a large part of their thesis research working with personnel and equipment of a cooperating agency. Personnel from the agencies participate in giving appropriate coursework. Both master’s and doctoral work can be conducted through the Centre.

Website: <web.uvic.ca/forbiol>

Centre for Global Studies

Gordon S. Smith, RA (McGill), PhD (MIT), Director
Barry Carin, Hons BA (McGill), PhD (Brown), Associate Director

The Centre for Global Studies (CFGS) is engaged in research and public awareness that promotes informed policy responses to the challenges of global governance, security and sustainability. CFGS is a unique “centre of centres,” creating a dynamic, multidisciplinary environment. Currently there are:

- three programs
  - Globalization and Governance
  - Technology and International Development
  - International Women’s Rights Project (IWRP)
- 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.
The Centre for Studies in Religion and Society

Paul Bramadat, MA (McGill), PhD (McMaster), Director

The Centre for Studies in Religion and Society was established at the University of Victoria in 1991 to foster the scholarly study of religion in relation to any and all aspects of society and culture, both contemporary and historical. The primary aim is to promote dialogue between religion and other aspects of human experience, especially concerning questions of human values, knowledge and technology. The Centre has a fundamental commitment to pluralism and will pursue a broad range of research interests not limited to any specific time, place, religion, or culture. It embodies the understanding that religious traditions continue to be formative of human reality and experience, and are the proper object of creative, rigorous inquiry, whether from a disciplinary or an interdisciplinary perspective.

The Centre encourages participation from scientists, social scientists, humanists, and academics in professional schools; it addresses some of the major questions facing society by bringing together academics from a variety of disciplines; it seeks to bridge the gap between university and community by promoting dialogue between academics and the lay public.

The Centre pursues these objectives through research fellowships, interdisciplinary research, lectures, seminars, conferences, publications, library acquisitions and other academic activities. For further information, visit our website at <www.csrs.uvic.ca> or e-mail the Centre at csrs@uvic.ca.

The 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 (Alta), (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

E-mail: cys@uvic.ca

Centre for Youth and Society

Bonnie J. Leadbeater, BSc, MA Ed (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 those concerns. The establishment of the Centre enables the university community to foster effective relationships with youth and members of the wider community who work with them in order to cooperatively generate and disseminate knowledge concerning the strengths, challenges, opportunities and problems of youth.

The core mandate of the Centre is to promote research and actions that contribute to the well-being of youth from diverse social, economic, and ethnic backgrounds across developmental transitions; and in evolving societal circumstances. Additionally the goal of our research is to:

- provide for the generation and dissemination of knowledge concerning strengths, challenges, opportunities, and problems of youth
- ensure that the concerns of youth themselves and of society as a whole are identified so that programs, research and training priorities are responsive to these concerns
- advance inter-disciplinary community-based research on adolescent health and development; to train specialists in 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: cys@uvic.ca

The Survey Research Centre (SRC) provides survey data collection services to researchers at the University of Victoria as well as researchers at other institutions and organizations. A wide range of services are offered to health and social sciences, economics, political and program evaluation researchers. The call centre operations perform telephone research using up-to-date computer assisted technology and skilled interviewing staff. The SRC can also host survey data collection using web-based, e-mail, or postal mail techniques.
The Institute for Coastal and Oceans Research (ICOR) is an interdisciplinary centre at the University of Victoria focused on public policy dispute resolution research, education, professional training, and community development. The Institute also acts as a resource service, not only for UVic students and faculty, but for government departments, non-governmental organizations, community groups, professionals, and others interested in improving dispute resolution processes or in applying alternative dispute resolution (ADR) techniques to their practical problems.

The Institute works collaboratively with a range of faculties and departments at the University of Victoria and maintains strong links to the dispute resolution community external to the University.

The Institute's diverse research program has examined disputes in both public and private settings, including those involving land use and development, the environment, and the community. The Institute has also researched issues relating to the resolution of complex, multiparty public policy disputes, disputes involving First Nations, the institutionalization of ADR procedures, the relationship between culture and conflict, and the nature of power in dispute resolution, and has been involved in dispute resolution education and consultation nationally and internationally.

The Institute receives support from the University, external research funding, and contract work. Website: <www.icor.uvic.ca>
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 231. A list of the course abbreviations and their corresponding subject areas is presented on page 232.

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

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<th>Faculty of Business</th>
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<tr>
<td>COM Commerce</td>
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<tr>
<td>ENT Entrepreneurship</td>
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<tr>
<td>HSM Hospitality and Services</td>
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<td>IB International Business</td>
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## Faculty of Education

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<tr>
<td>AE Art Education</td>
<td>Department of Curriculum and Instruction</td>
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<tr>
<td>ED-D Educational Psychology and Leadership Studies</td>
<td>Department of Educational Psychology and Leadership Studies</td>
</tr>
<tr>
<td>ED-P Teacher Education - Professional Studies</td>
<td>Department of Curriculum and Instruction</td>
</tr>
<tr>
<td>EDCI Curriculum and Instruction Studies</td>
<td>Department of Curriculum and Instruction</td>
</tr>
<tr>
<td>EPHE Exercise Science, Physical and Health Education</td>
<td>School of Exercise Science, Physical and Health Education</td>
</tr>
<tr>
<td>IA Interdisciplinary Arts</td>
<td>Department of Curriculum and Instruction</td>
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<tr>
<td>ME Music Education</td>
<td>Department of Curriculum and Instruction</td>
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## Faculty of Engineering

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<tr>
<td>CENG Computer Engineering</td>
<td>Department of Electrical and Computer Engineering</td>
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<tr>
<td>CSC Computer Science</td>
<td>Department of Computer Science</td>
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<tr>
<td>ELEC Electrical Engineering</td>
<td>Department of Electrical and Computer Engineering</td>
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<tr>
<td>ENGR Engineering</td>
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<tr>
<td>MECH Mechanical Engineering</td>
<td>Department of Mechanical Engineering</td>
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<td>SENG Software Engineering</td>
<td>Software Engineering</td>
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## Faculty of Fine Arts

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<tr>
<td>ART Visual Arts</td>
<td>Department of Visual Arts</td>
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<tr>
<td>CW Creative Writing (En'owkin Centre)</td>
<td>Certificate Program in Foundations in Indigenous Fine Arts</td>
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<tr>
<td>FA Fine Arts</td>
<td>Interdisciplinary Courses</td>
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<tr>
<td>HA History in Art</td>
<td>Department of History in Art</td>
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<tr>
<td>MUS Music</td>
<td>School of Music</td>
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<tr>
<td>THEA Theatre</td>
<td>Department of Theatre</td>
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<tr>
<td>WRIT Writing</td>
<td>Department of Writing</td>
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## Faculty of Human and Social Development

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<th>Faculty of Human and Social Development</th>
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<tbody>
<tr>
<td>ADMN Public Administration</td>
<td>School of Public Administration</td>
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<tr>
<td>CYC Child and Youth Care</td>
<td>School of Child and Youth Care</td>
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<tr>
<td>CYCB Indigenous Community-based Child and Youth Care</td>
<td>School of Child and Youth Care</td>
</tr>
<tr>
<td>CYCI Child and Youth Care International</td>
<td>School of Child and Youth Care</td>
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<tr>
<td>HINF Health Information Science</td>
<td>School of Health Information Science</td>
</tr>
<tr>
<td>HSD Human and Social Development</td>
<td>Interdisciplinary Courses</td>
</tr>
<tr>
<td>IGOV Indigenous Governance</td>
<td>Indigenous Governments Certificate Program and MA in Indigenous Governance</td>
</tr>
<tr>
<td>NURS Nursing</td>
<td>School of Nursing</td>
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<tr>
<td>SOCW Social Work</td>
<td>School of Social Work</td>
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## Faculty of Humanities

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<th>Faculty of Humanities</th>
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<td>ARTS Arts</td>
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<tr>
<td>CHIN Chinese</td>
<td>Department of Pacific and Asian Studies</td>
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<td>ENGL English</td>
<td>Department of English</td>
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<tr>
<td>FREN French</td>
<td>Department of French</td>
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<tr>
<td>GER German</td>
<td>Department of Germanic and Slavic Studies</td>
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<tr>
<td>GERS Germanic Studies</td>
<td>Department of Germanic and Slavic Studies</td>
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<td>GREE Greek</td>
<td>Department of Greek and Roman Studies</td>
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<td>GRS Greek and Roman Studies</td>
<td>Department of Greek and Roman Studies</td>
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<td>HIST History</td>
<td>Department of History</td>
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<td>HUMA Humanities</td>
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<tr>
<td>ITAL Italian</td>
<td>Department of Hispanic and Italian Studies</td>
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<tr>
<td>JAPA Japanese</td>
<td>Department of Pacific and Asian Studies</td>
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<tr>
<td>LAS Latin American Studies</td>
<td>Department of Hispanic and Italian Studies</td>
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<tr>
<td>LATI Latin</td>
<td>Department of Greek and Roman Studies</td>
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<tr>
<td>LING Linguistics</td>
<td>Department of Linguistics</td>
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<tr>
<td>MEDI Medieval Studies</td>
<td>Medieval Studies Program</td>
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<tr>
<td>MEST Mediterranean Studies</td>
<td>Department of Hispanic and Italian Studies</td>
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<tr>
<td>PACI Pacific and Asian Studies</td>
<td>Department of Pacific and Asian Studies</td>
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<tr>
<td>PHIL Philosophy</td>
<td>Department of Philosophy</td>
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<tr>
<td>PORT Portuguese</td>
<td>Department of Hispanic and Italian Studies</td>
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<tr>
<td>RUSS Russian</td>
<td>Department of Germanic and Slavic Studies</td>
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<tr>
<td>SEA Southeast Asia</td>
<td>Department of Pacific and Asian Studies</td>
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<td>SLAV Slavic Studies</td>
<td>Department of Germanic and Slavic Studies</td>
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<td>SPAN Spanish</td>
<td>Department of Hispanic and Italian Studies</td>
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<td>WS Women's Studies</td>
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## Faculty of Law

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<td>LAW Law</td>
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## Faculty of Science

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<th>Faculty of Science</th>
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<tbody>
<tr>
<td>ASTR Astronomy</td>
<td>Department of Physics and Astronomy</td>
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### Faculty of Social Sciences

<table>
<thead>
<tr>
<th>Code</th>
<th>Program Name</th>
<th>Department Name</th>
</tr>
</thead>
<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>
</tr>
<tr>
<td>POLI</td>
<td>Political Science</td>
<td>Department of Political Science</td>
</tr>
<tr>
<td>PSYC</td>
<td>Psychology</td>
<td>Department of Psychology</td>
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<tr>
<td>SOCI</td>
<td>Sociology</td>
<td>Department of Sociology</td>
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### Interdisciplinary Programs

<table>
<thead>
<tr>
<th>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>
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<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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</tbody>
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### Courses by Subject Area

**Anthropology**
- Faculty of Social Sciences

**Art Education**
- Faculty of Education

**Arts**
- Faculty of Humanities

**Arts of Canada**
- Faculty of Humanities

**European Studies**
- Faculty of Education

**Economics**
- Faculty of Business

**Environmental Restoration**
- Faculty of Social Sciences

**Environmental Studies**
- Faculty of Social Sciences

**European Studies**
- Faculty of Social Sciences

**Creative Writing (En’owkin Centre)**
- Faculty of Fine Arts

**Curriculum and Instruction Studies**
- Faculty of Education

**Earth and Ocean Sciences**
- Faculty of Science

**Economics**
- Faculty of Social Sciences

**Educational Psychology and Leadership Studies**
- Faculty of Education

**Electrical Engineering**
- Faculty of Engineering

**Engineering**
- Faculty of Engineering

**English**
- Faculty of Humanities

**Entrepreneurship**
- Faculty of Business

**Environmental Restoration**
- Faculty of Social Sciences

**Environmental Studies**
- Faculty of Social Sciences

**European Studies**
- Faculty of Social Sciences

**Exercise Science, Physical and Health Education**
- Faculty of Education

**Fine Arts**
- Faculty of Fine Arts

**French**
- Faculty of Humanities
Geography ................................................................. GEOG
Faculty of Social Sciences
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 and Services .............................................. HSM
Faculty of Business
Human and Social Development ..................................... HSD
Faculty of Human and Social Development
Humanities ............................................................... HUMA
Faculty of Humanities
Indigenous Community-based Child and Youth Care ............ CYCB
Faculty of Human and Social Development
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
Physics ................................................................. PHYS
Faculty of Science
Political Science ........................................................ POLI
Faculty of Social Sciences
Portuguese .............................................................. PORT
Faculty of Social Sciences
Psychology .............................................................. PSYC
Faculty of Humanities
Public Administration .................................................. ADMN
Faculty of Social Sciences
Religious Studies ...................................................... RS
Interdisciplinary Programs
Russian ................................................................. RUSS
Faculty of Humanities
Science ................................................................. SCIE
Faculty of Humanities
Slavic Studies .......................................................... SLAV
Faculty of Humanities
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 ................................................................. WRIT
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 232 for the subject area corresponding to the course abbreviation.

### Cross-listed Courses
The same course may be offered by two different departments. Such courses are listed twice, once under each department course abbreviation. Students may obtain credit for the course from either department, but not both.

### Former Course Abbreviation and Number
If a course was previously offered at UVic under another abbreviation and number, the former abbreviation and number are shown here.

### Prerequisites and Corequisites
Prerequisites are courses or other requirements that must be completed before a student may register in a course. Corequisites are courses or other requirements that must be completed at the same time as a specific course.

### See page 231 for a list of courses offered by each faculty and page 232 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.

### How to Use the Course Listings
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, HSD 404, POLI 350.

ADMN 312 Units: 1.5
Managing in Public and Non-Profit Organizations
This course focuses on the skills of an effective manager in public and non-profit sector organizations and the interplay between management and key organizational processes such as planning, organizing, implementing and evaluating policies, programs and services. Management topics include: managerial work, interpersonal and leadership skills, power and influence, conflict resolution, formal and informal communications, motivation and teamwork. 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 services with a strong focus on service recipients. Examines the drivers of the service transformation movement, surveys the ways that public services can be reformed and then works through a framework for assessing service needs, engaging service recipients and stakeholders, making a business case for transformation, implementing new delivery arrangements (including networks and partnerships), managing across boundaries, and building in performance measurement and accountability.
Prerequisites: 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 Canada's non-profit and voluntary sector. Students will examine the size, scope, structure, functions, value bases, and uniqueness of the non-profit sector, plus the differences among the non-profit, public and private sectors. Topics include: leadership, board governance, strategic analysis, volunteer management and partnering. Students will analyze how management concepts, models, principles and techniques have validity as applied in the context of non-profit and voluntary sector organizations.

ADMN 420 Units: 1.5
The Public Policy Process
An introduction to the policy process in the public sector. 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.

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
Managing Organizational Change
An introductory course designed to strengthen the understanding of key concepts and procedures for designing and managing effective information systems. The role of the Web and the relevant issues of security, access, and citizen engagement with e-government are also covered.
Note: Credit will be granted for only one of 424, 524.

ADMN 431 Units: 1.5
Public Sector Human Resources and Labour Relations
This course examines various aspects of the human resource function within public sector organizations and compares current theory and practice in human resource planning; recruitment and selection; performance appraisals; compensation, benefits and promotions; career planning; and staff development. In addition, the course covers aspects of public sector labour relations including discipline and grievances, collective bargaining and managing in a unionized workplace.
Note: Credit will be granted for only one of 431, 425, 447, 531.

ADMN 437 Units: 1.5
Program Evaluation and Performance Measurement
Intensive introduction to organizational, methodological and professional issues involved in evaluating programs and measuring performance in public and non-profit organizations. Offers a practical understanding of the evaluation process, including identification of key evaluation questions, program logic, measurement, research design, and qualitative evaluation. Performance measurement is treated as a complementary set of skills for measuring and reporting program and organizational results. Includes modules on conceptual issues, implementation requirements and uses of performance measurement.
Note: Credit will be granted for only one of 437, 537.

ADMN 445 Units: 1.5
Urban and Regional Economics
Examines economic forces influencing settlement patterns, growth and other characteristics of towns, cities and regions. Course provides a theoretical and historical basis for analyzing and predicting how urban areas evolve and how public policies may affect patterns of growth and change. Topics include: regional economics; economic development; growth

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.

2008-09 UVIC CALENDAR 235

COURSE LISTINGS
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.

ADMN 490 Units: 1.5
Directed Studies
Directed reading and/or a research project under the supervision of a Faculty Member.

Note: Open to students only with permission of the Director.

AE Art Education
Department of Curriculum and Instruction
Faculty of Education
Studio-based AE courses are normally subject to limited enrollment because of space and equipment needs. Courses offered by the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

AE 103 Units: 3.0 Hours: 3-1
Formerly: 100
Introduction to Art Education
The role of art in education; practical exploration in art, classroom management and teaching techniques.

Note: Credit will be granted for only one of 103, 100, 101, 204, EDUC 307, EDCI 307, ED-A 701. Students planning to emphasize art in their degree program should register in this course.

AE 204 Units: 1.5 Hours: 3-0
Design
Creative problem solving through art. A studio exploration of the elements and principles of art, media and processes, and the development of ideas in fine and applied art. Consideration is given to the ways in which this theory and practical experience can be applied in a variety of teaching and learning contexts.

AE 205 Units: 1.5 Hours: 3-1
Photography
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 208 Units: 1.5 Hours: 3-1
Three-Dimensional Art
Studio investigation into the concepts, materials, and techniques of sculpture, connecting these to the requirements of students. Relevant curriculum, assessment, and critiquing strategies will also be addressed.

AE 303 Units: 3.0 Hours: 3-1
Ceramics
An introductory course in ceramics. Discussion and practice will include all aspects of the methods and processes as they relate to educational practice.

AE 305 Units: 1.5 Hours: 3-1
Drawing
Development of skills and teaching methods in drawing through studio exploration. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 305, 302.

AE 306 Units: 1.5 Hours: 3-1
Painting
Development of skills and teaching methods in painting through studio exploration. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 306, 302. Supply list for 306 available from MacLaurin A430 or at <www.educ.ca/edco>.
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 industry-standard software packages. The course will emphasize the production and teaching of digital media for creative, educational, and commercial environments. No previous computer experience is required.

AE 401
Special Studies
Studies of selected topics in the theory and practice of art education.

AE 402
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

AE 409
Archaeology
An introduction to archaeological research and problems of interpretation. Laboratories will provide an opportunity to become familiar with archaeological materials and with some basic techniques of analysis.

Prerequisites: 100.

AE 420
Anthropology of the Arts
Formerly: part of 300, 300A, 300B, 300C

Prerequisites: 303 or 309

Note: A student may take up to a maximum of 6 units of the above areas; however, the maximum number of units accepted for credit on the student's degree program will be at the discretion of the department. Letter designations identify discrete areas for advanced study. In the interest of gaining breadth experiences, students taking more than 1.5 units of 402 should not repeat an area.

Prerequisites: Appropriate introductory course for the selected area.

AE 422
Advanced Digital Arts
An advanced exploration of digital media production using graphics, animation, 3D modeling, audio, video, and website construction. Students will choose individual media projects related to areas of interest and construct them using standard media software tools and professional models of project management. Students will also have the opportunity to explore advanced industry-based software programs. The course will emphasize advanced digital media theory and practice within creative, educational, and commercial environments.

Note: Credit will be granted for only one of 422, 402J in a degree program.

Prerequisites: 322.

ANTH
Anthropology
Department of Anthropology
Faculty of Social Sciences

ANTH 100
Units: 1.5 Hours: 3-0
Formerly: 100A and B

Introduction to Anthropology
An introductory survey of the sub-fields of anthropology: biological anthropology, archaeology, cultural and social anthropology, and linguistic anthropology. Topics include the human fossil record, the archaeo-

logical record from Paleolithic cultures to urban civilizations, and examination of contemporary human societies, drawn from various levels of complexity.

Note: Credit will not be granted for 100 and 100A, 100B.

ANTH 200
Units: 1.5 Hours: 2-0
Formerly: 200A and B

Cultural and Social Anthropology
An introduction to the analysis of sociocultural systems. Major topics include subsistence, production and distribution, social organization, politics, religion, kinship, symbolic systems and culture change.

Note: Credit will not be given for 200 and 200A, 200B.

Prerequisites: 100.

ANTH 240
Anthropological Approaches to Visual Anthropology
Examination of theoretical and methodological approaches to visual anthropological research. Focus on film, photography and new media.

Note: Credit will be granted for only one of 309, 409, 390 if taken under this topic.

Prerequisites: 200.

ANTH 301
Units: 1.5 Hours: 3-0
Formerly: 211

Introduction to Applied Anthropology
An introduction to the acquisition of culturally appropriate data for the solution of practical problems arising in the context of social change. The course surveys applications of anthropological research to various fields such as agricultural development, population planning, the impact of technological change, education, law, medicine, and heritage resource management.

Note: Credit will be granted for only one of 311, 211.

Prerequisites: 100 or 200.

ANTH 302
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 covered may include epidemiology, disease and evolution, and transcultural nursing and psychiatry.

Note: Credit will be granted for only one of 312, 412.

Prerequisites: 100 or 250 or 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 contemporary technology.

Prerequisites: 100 or 200.

ANTH 305
Units: 1.5 Hours: 3-0

Anthropology of the Arts
Critical approaches to the anthropological study of the visual arts of the 19th and 20th centuries using case study examples from a variety of geographical areas.

Prerequisites: 100 or 200.

ANTH 306
Units: 1.5 Hours: 3-0

Folklore 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 anthropology.

Prerequisites: 100 or 200.

ANTH 307
Units: 1.5 Hours: 3-0

Anthropology of Children and Youth
An examination of current anthropological research on infants, children, and youth, with particular emphasis on young people as social actors and cultural producers.

Note: Credit will be granted for only one of 307, 390A, 393 if taken 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 contemporary initiatives aimed at achieving social justice internationally by drawing on indigenous concepts and structures in the restructurizing 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

ANTH 310
Anthropological Approaches to Comparative Religion
Consideration of the various approaches to the study of religion and religious behaviour used by anthropologists. Comparative analysis of belief and ritual systems.

Prerequisites: 100 or 200 or 321.

ANTH 311
Units: 1.5 Hours: 3-0
Formerly: 211

Introduction to Applied Anthropology
An introduction to the acquisition of culturally appropriate data for the solution of practical problems arising in the context of social change. The course surveys applications of anthropological research to various fields such as agricultural development, population planning, the impact of technological change, education, law, medicine, and heritage resource management.

Note: Credit will be granted for only one of 311, 211.

Prerequisites: 100 or 200.

ANTH 312
Units: 1.5 Hours: 3-0
Formerly: 412

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 covered may include epidemiology, disease and evolution, 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 placed on the problems of data collection and the solutions for analytical material. Research-design and data analysis techniques are covered.

Note: Credit will be granted for only one of 316, 416.

Prerequisites: A minimum grade point average of 3.50 for 200, 240 and 250.

ANTH 317
Units: 1.5 Hours: 3-0
Formerly: 417

Introduction to Quantitative Methods in Anthropological Research
Formal methods of statistical analysis in Anthropology.

Note: Credit will be granted for only one of 317, 417.

Prerequisites: 316.
ANTH 318  Units: 1.5  Hours: 3-0
Introduction to Ethnographic Methods
Review of ethnographic methods used in the field by cultural anthropologists. Topics include the relationship between field methods and theory in anthropology, field experiences and techniques, and qualitative data analysis.

Note: Credit will be granted for only one of 318, 390, 392 if taken under this topic.
Prerequisites: 200.

ANTH 323  Units: 1.5  Hours: 3-0
Ethnology of the Circumpolar Region
The peoples and cultures of Arctic and sub-Arctic Eurasia and North America.
Prerequisites: 200 or permission of instructor.

ANTH 325  Units: 1.5  Hours: 3-0
Ethnology of South America
Ethnological description and analysis of the peoples and cultures of South America.
Prerequisites: 200 or permission of instructor.

ANTH 329  Units: 1.5  Hours: 3-0
Ethnology of Southeast Asia
An integrated description and analysis of the peoples and cultures of Mainland and Island Southeast Asia.
Prerequisites: 200 or permission of instructor.

ANTH 330  Units: 1.5  Hours: 3-0
Ethnology of South Asia
Ethnological description and analysis of the peoples and cultures of the Indian subcontinent.
Prerequisites: 200 or permission of instructor.

ANTH 332  Units: 1.5  Hours: 3-0
Ethnology of Europe
Ethnological description and analysis of the peoples of Europe. Topics may include folk cultures, migration, urbanization, industrialization, and the emergence of ethnicity and of nationalist movements.
Prerequisites: 200 or permission of instructor.

ANTH 335  Units: 1.5  Hours: 3-0
Ethnicity in Global Perspective
An examination of anthropological perspectives on the cultural construction of ethnicity, race and nationalism as well as the historical processes which influenced the formation of ethnic groups and nations, with illustration from various regions of the world including Canada.

Note: Students who took 335 prior to 2006-07 may repeat 335 for credit only with Departmental permission.
Prerequisites: 200 or permission of 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
Formerly: 341A
Paleolithic Archaeology
A review of the formative phases in the development of prehistoric cultures and societies during the Pleistocene in Africa, Eurasia and Australasia. Archaeological evidence on cultural beginnings, ecology, subsistence systems, technology and social life of early humankind.

Note: Credit will be granted for only one of 341, 341A.
Prerequisites: 240.

ANTH 342  Units: 1.5  Hours: 3-0
Archaeology of Precolumbian America
A survey of the archaeological record for the development of aboriginal cultures and societies of the New World prior to European colonization, from late Ice Age settlement of North and South America through the appearance of farming villages up to the growth of urban civilizations of middle America and the Andes.

Prerequisites: 240.

ANTH 343  Units: 1.5  Hours: 0-3
Archaeological Field Techniques
Training in the methods and techniques of archaeology through participation in a field project. Complements the regional topics of 344, with which it will normally be combined to form the archaeological field school.

Note: Credit will be granted for only one of 343, 390 if 380 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 380 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 348  Units: 1.5  Hours: 3-0
Peopling of New Territories
Current reconstructions show humans initially evolved in Africa, and subsequently expanded their range to the extent that, by the time of European voyages of world exploration, people were already almost everywhere. 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 349  Units: 1.5  Hours: 3-0
Paleolithic Art
This course explores the evidence for the origins and development of cave art, personal adornment and symbol use in the Paleolithic and their role in the evolution of human cognition. Specific topics include the definition of art in an archaeological context, dating and analysis techniques, contemporary examples of rock art, and possible meanings and functions of art and personal adornment during the Paleolithic.

Note: Credit will be granted for only one of 349, 390, 392 if taken under this topic.
Prerequisites: 240.

ANTH 350  Units: 1.5  Hours: 3-0
Formerly: 350A
Primate Behavior

Note: Credit will be granted for only one of 350, 350A.
Prerequisites: 240.

ANTH 351  Units: 1.5  Hours: 3-0
Formerly: 350B
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, 350B.
Prerequisites: 250.

ANTH 355  Units: 1.5  Hours: 3-0
AIDS in the World
Survey and analysis of the biological and social issues arising from the Acquired Immune Deficiency Syndrome pandemic.

Note: Credit will be granted for only one of 355, 390 if 380 taken under this title.
Prerequisites: 250.

ANTH 360  Units: 1.5  Hours: 1-2
Zooarchaeology
An introduction to the study of animal bones from archaeological sites, with a lecture component emphasizing general methodology and case studies from different regions and a laboratory component focusing on the analysis of Northwest Coast fauna.

Note: Credit will be granted for only one of 360, 390, 392 if taken under this topic.
Prerequisites: 240

ANTH 391  Units: 1.5  Hours: 3-0
Formerly: 390
Selected Problems in Anthropology: Ethnology
Presentation of selected problems in anthropology.

Note: Credit will be granted for only one of 391, 390 if taken in the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 392  Units: 1.5  Hours: 3-0
Formerly: 390
Selected Problems in Anthropology: Archaeology
Presentation of selected problems in archaeology.

Note: Credit will be granted for only one of 392, 390, 390C if taken in the same topic. May be repeated
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 390A</td>
<td>History of Anthropological Theory</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly part of 400. Credit will be granted for only one of 400A, 400.</td>
</tr>
<tr>
<td>ANTH 390B</td>
<td>Current Trends in Anthropological Theory</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly part of 400. Credit will be granted for only one of 400B, 400. A student may receive credit for only one of 400B, 400.</td>
</tr>
<tr>
<td>ANTH 393</td>
<td>Selected Problems in Anthropology: Cultural Anthropology</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly 390. Credit will be granted for only one of 393, 390, 390A if taken under the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.</td>
</tr>
<tr>
<td>ANTH 394</td>
<td>Selected Problems in Anthropology: Physical Anthropology</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly 390. 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.</td>
</tr>
<tr>
<td>ANTH 395</td>
<td>Selected Problems in Anthropology: Method and Theory</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly 390. 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.</td>
</tr>
<tr>
<td>ANTH 396</td>
<td>Selected Problems in Anthropology: Linguistic Anthropology</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly 390. 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.</td>
</tr>
<tr>
<td>ANTH 401</td>
<td>Cultural Ecology</td>
<td>1.5</td>
<td>3-0</td>
<td>Also: ES 430. 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.</td>
</tr>
<tr>
<td>ANTH 402</td>
<td>Feminist Theory and Method in Anthropology</td>
<td>1.5</td>
<td>3-0</td>
<td>The history and development of feminist anthropology; contemporary debates. Emphasis on the contribution of anthropology to feminist theory and of feminist critiques to the development of anthropology. Note: Credit will be granted for only one of 402, 390 if 390 taken under the same topic. Prerequisites: A minimum grade of B- for 200, or permission of the instructor.</td>
</tr>
<tr>
<td>ANTH 403</td>
<td>Economic Anthropology</td>
<td>1.5</td>
<td>3-0</td>
<td>A comparative analysis of the social context of production, distribution and exchange systems. Prerequisites: 200.</td>
</tr>
<tr>
<td>ANTH 404</td>
<td>Political Anthropology</td>
<td>1.5</td>
<td>3-0</td>
<td>Examination of the theoretical and methodological approaches to power and politics, based on anthropological research. Prerequisites: 200.</td>
</tr>
<tr>
<td>ANTH 405</td>
<td>Archaeological Method and Theory</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>ANTH 406</td>
<td>Archaeological Method and Theory</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
</tbody>
</table>

**Anthropology Majors**

Credit will be provided by the departmental office.

Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 401 | Units: 1.5 | Hours: 3-0
---|---|---
Also: ES 430
Cultural Ecology
Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.
Note: Credit will be granted for only one of 401, ES 430.
Prerequisites: ES students: ES 200 or 300A, and one of ES 301 or 321; or permission of the Director. ANTH students: A minimum grade of B- in ANTH 200.

ANTH 402 | Units: 1.5 | Hours: 3-0
Feminist Theory and Method in Anthropology
The history and development of feminist anthropology; contemporary debates. Emphasis on the contribution of anthropology to feminist theory and of feminist critiques to the development of anthropology.
Note: Credit will be granted for only one of 402, 390 if 390 taken under the same topic.
Prerequisites: A minimum grade of B- for 200, or permission of the instructor.

ANTH 403 | Units: 1.5 | Hours: 3-0
Economic Anthropology
A comparative analysis of the social context of production, distribution and exchange systems.
Prerequisites: 200.

ANTH 404 | 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 405 | 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.
### ART

#### Visual Arts

**Department of Visual Arts**

**Faculty of Fine Arts**

Before admission to any 300-level art course, Visual Arts students should have completed a minimum of 12 units of out-of-department electives and their program requirements of 100- and 200-level art courses.

**ART 100**

**Units: 1.5, formerly 3.0**  
**Hours: 0-3**

**Studio Foundation**

A course focusing on the processes and ideas associated with contemporary art. Students will explore a range of studio practices and theoretical issues.

Note: ART(E) courses are offered only through the En’owkin Certificate Program in Indigenous Fine Arts.

**ART 101**

**Units: 1.5**  
**Hours: 0-3**

**Drawing**

An introduction to concerns and methods in contemporary drawing. Students will gain experience in a range of studio practices as well as theoretical issues through projects and critiques.

Note: ART(E) courses are offered only through the En’owkin Certificate Program in Indigenous Fine Arts.

**Pre- or corequisites:** 100

**ART 102**

**Units: 0.5**  
**Hours: 0-1**

**Introduction to Shop Practices**

Designed to provide students with knowledge and appreciation of safe practice in the shop area. Students will each participate in four labs of 3 hours in duration. Items covered will include basic WMSH training, safe operation of power tools, and hand tools. Attendance at all labs and completion of projects is required.

Note: Transfer students may take this course concurrently with courses above the 100 level, but must complete the course in their first year in the Visual Arts Department.

Grading: COM, N, or F.

<table>
<thead>
<tr>
<th>ART 103</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foundation Drawing and Painting</strong></td>
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<tr>
<td>One of the four courses forming the foundation year for studies in Visual Arts, this course focuses on the processes and ideas associated with the practices of contemporary drawing and painting. Students will explore a range of studio practices and theoretical issues.</td>
<td>Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.</td>
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<thead>
<tr>
<th>ART 104</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
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</thead>
<tbody>
<tr>
<td><strong>Foundation Sculpture and Material Methods</strong></td>
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<tr>
<td>One of the four courses forming the foundation year for studies in Visual Arts, this course focuses on the processes and ideas associated with material technologies in the visual arts and with the practices of contemporary sculpture. Students will explore a range of workshop and studio practices and theoretical issues.</td>
<td>Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.</td>
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<tr>
<th>ART 105</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
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</thead>
<tbody>
<tr>
<td><strong>Foundation Photography and Video Art</strong></td>
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<tr>
<td>One of the four courses forming the foundation year for studies in Visual Arts, this course focuses on the processes and ideas associated with the practices of contemporary photography and video art. Students will explore a range of studio practices and theoretical issues.</td>
<td>Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.</td>
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<tr>
<th>ART 106</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
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</thead>
<tbody>
<tr>
<td><strong>Foundation Core Media Technologies and Arts</strong></td>
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</tr>
<tr>
<td>One of the four courses forming the foundation year for studies in Visual Arts, this course focuses on the core digital technologies applicable to the visual arts, and to the processes and ideas associated with the practices of contemporary digital media. Students will explore a range of studio techniques, practices and theoretical issues.</td>
<td>Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.</td>
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<tr>
<th>ART 110</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Painting</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A studio introduction to painting and related areas.</td>
<td>Note: ART(E) courses are offered only through the En’owkin Certificate Program in Indigenous Fine Arts. Pre- or corequisites: 100 and 101</td>
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<thead>
<tr>
<th>ART 120</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
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<tbody>
<tr>
<td><strong>Sculpture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td>Note: ART(E) courses are offered only through the En’owkin Certificate Program in Indigenous Fine Arts. Pre- or corequisites: 100 and 101</td>
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<thead>
<tr>
<th>ART 130</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
</tr>
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<tbody>
<tr>
<td><strong>Printmaking</strong></td>
<td></td>
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<tr>
<td>An introductory course in printmaking techniques which will prepare the student for more advanced printmaking courses.</td>
<td>Note: ART(E) courses are offered only through the En’owkin Certificate Program in Indigenous Fine Arts. Pre- or corequisites: 100 and 101</td>
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<table>
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<tr>
<th>ART 141</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>An Introduction to Contemporary Art Photography</strong></td>
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<tr>
<td>An introductory lecture and practical course focusing on the ideas associated with contemporary art photography. Through lectures which will introduce students to various practices of contemporary photographers and photography assignments, students will gain insight into photography as an art practice within the field of contemporary art.</td>
<td>Note: This course is open for non-visual arts students and is available as an elective for Visual Arts students.</td>
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<tr>
<th>ART 150</th>
<th>Units: 1.5</th>
<th>Hours: 3-0</th>
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</thead>
<tbody>
<tr>
<td><strong>Introduction to Contemporary Art Theory: Practice and Criticism</strong></td>
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<tr>
<td>A lecture course introducing the terms and concepts necessary for an understanding of contemporary art.</td>
<td>Note: Normally class size is limited.</td>
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<tr>
<th>ART 151</th>
<th>Units: 1.5</th>
<th>Hours: 3-0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>An Introduction to Contemporary Visual Art</strong></td>
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</tr>
<tr>
<td>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.</td>
<td>Note: This course is recommended for all Visual Arts students.</td>
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<tr>
<th>ART 201</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
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<tbody>
<tr>
<td>Formerly: ART 101</td>
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<td></td>
</tr>
<tr>
<td><strong>Drawing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td>Note: Normally class size is limited. Pre- or corequisites: 101 or 201</td>
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<tr>
<th>ART 202</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formerly: ART 200</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Drawing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A continuation of 201. Students will move towards a more independent way of working.</td>
<td>Note: Normally class size is limited. Pre- or corequisites: 101 or 201</td>
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<tr>
<th>ART 211</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formerly: ART 110</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Painting</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A studio introduction to painting and related areas.</td>
<td>Note: Normally class size is limited. Pre- or corequisites: 100 and 101 or all of: 103, 104, 105 and 106</td>
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<tr>
<th>ART 212</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
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<tbody>
<tr>
<td>Formerly: ART 210</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Painting</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>An extension of ART 211.</td>
<td>Note: Normally class size is limited. Pre- or corequisites: 110 or 211</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ART 221</th>
<th>Units: 1.5</th>
<th>Hours: 0-3</th>
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<tbody>
<tr>
<td>Formerly: ART 120</td>
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<td></td>
</tr>
<tr>
<td><strong>Sculpture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td>Note: Normally class size is limited. Pre- or corequisites: 100 and 101 or all of: 103, 104, 105 and 106</td>
<td></td>
</tr>
</tbody>
</table>
ART 222 Units: 1.5 Hours: 0-3
Formerly: ART 220

Sculpture
A continuation of ART 221; students will continue to develop their study of contemporary sculptural practices, with an increasing focus on their ability to undertake independent work.

Note: Normally class size is limited.

Prerequisites: 120 or 221

ART 241 Units: 1.5 Hours: 0-3
Formerly: ART 140

Photography
This course concerns the distinctive quality of the photograph. Basic darkroom procedures and camera techniques are dealt with in this context.

Note: Students must supply their own SLR manual camera with a 50mm lens. Digital cameras are not accepted for this course. Normally class size is limited.

Prerequisites: 100 and 101 or all of: 103, 104, 105 and 106

ART 242 Units: 1.5 Hours: 0-3
Formerly: ART 240

Photography
A continuation of ART 241, including both practical and theoretical aspects of photography.

Note: Students must supply their own SLR manual camera with a 50mm lens. Digital cameras are not accepted for this course. Normally class size is limited.

Prerequisites: 140 or 241

ART 250 Units: 1.5 Hours: 3-0
Modernism and Postmodernism
A lecture course that will survey some conditions that distinguish modernism from postmodernism and consider pertinent theoretical positions.

ART 261 Units: 1.5 Hours: 0-3
Formerly: ART 160

Digital Photo-Arts
An introduction to concerns and methods in the contemporary practice of digital photography in a computer lab environment. Adobe Photoshop will be explored as an essential tool.

Note: Normally class size is limited.

Prerequisites: 100 and 101 or all of: 103, 104, 105 and 106

ART 262 Units: 1.5 Hours: 0-3
Formerly: ART 260

Digital Media Arts
An extension of 261. Exploration of digital arts will be extended to sound and video. Relevant computer programs to manipulate digital sound, video and animation will be introduced.

Note: Normally class size is limited.

Prerequisites: 160 or 261

ART 271 Units: 1.5 Hours: 0-3
Formerly: ART 170

Video Art
An introduction to the basic technical and aesthetic concepts in video production. The film and video works of contemporary artists will be explored.

Note: Normally class size is limited.

Prerequisites: 100 and 101 or all of: 103, 104, 105 and 106

ART 272 Units: 1.5 Hours: 0-3
Formerly: ART 270

Video Art
A continuation of ART 271; alternative imaging concepts, projection systems, computer displays and installation techniques will be discussed. Video will be dealt with as an extension of a contemporary art practice.

Note: Normally class size is limited.

ART 300 Units: 3.0 Hours: 0-3

Drawing
Advanced course in Drawing.

Notes: Concurrent registration in two sections of 300 is permitted, normally with two different instructors. Course may be repeated up to 9.0 units of credit.

Normally class size is limited.

Prerequisites: 150 and (200 or 202)

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 310 Units: 3.0 Hours: 0-3
Painting
Advanced course in painting.

Notes: Concurrent registration in two sections of 310 is permitted, normally with two different instructors.

Course may be repeated up to 9.0 units of credit.

Normally class size is limited.

Prerequisites: 150 or either 210 or 212

ART 320 Units: 3.0 Hours: 0-3
Sculpture
Advanced course in sculpture.

Notes: Concurrent registration in two sections of 320 is permitted, normally with two different instructors.

Course may be repeated up to 9.0 units of credit.

Normally class size is limited.

Prerequisites: 150 and either 220 or 222

ART 334 Units: 3.0 Hours: 0-3

Multi-Media Printmaking
A studio course placing emphasis on the use of a variety of media in printmaking.

Note: Class size is limited. May be taken more than once for credit with permission of the department.

Prerequisites: 130 and 230

ART 340 Units: 3.0 Hours: 0-3
Photography
An extension of 242. More advanced techniques and an emphasis on developing individual concerns.

Notes: Concurrent registration in two sections of 340 is permitted, normally with two different instructors.

Course may be repeated up to 9.0 units of credit.

Students in these classes must have their own camera.

Normally class size is limited.

Prerequisites: 150 and either 240 or 242

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 380 Units: 1.5, formerly 3 Hour: 0-3
Curatorial Direction
Using the resources of the Visual Arts Department, students will learn to develop ideas around the exhibition of works of art. This may include organizing thematic group shows, solo exhibitions, promotion, cataloguing, presentation and fund-raising.

Notes: This course may be taken for credit up to a maximum of 3.0 units.

Normally class size is limited.

Prerequisites: 150 and 9 units of 200 level Visual Art courses.

ART 395 Units: 6.0 Hours: 1.5 - 4.5
Visual Structures in the Imaginative Realm
Enhanced education for the creation of objects and images within a studio-centred context. Drawing, Painting and Sculpture form core areas for creative research within a broad experimental approach. Cross-disciplinary knowledge and the relationship of studio production to the built environment will guide students toward specific outcomes, including a graduation portfolio for professional practice or graduate studies in visual art, design or architecture. Team taught by faculty from Visual Arts and other disciplines; includes seminar component.

Prerequisites: 9 units of 200 level Visual Art courses.

ART 490 Units: 1.5 or 3.0
Directed Studies
This course is for advanced students who have a shared field of interest with a particular instructor. Students are expected to have a well-developed proposal prepared in order to apply to an instructor for supervision.

Notes: It is the expectation that, as well as the weekly conference time with their adviser, students will spend a minimum of 3 hours per week in the studio.

Students may not take a third-year course and a directed studies with the same instructor in the same discipline in the same year.

This course may be taken for credit up to a maximum of 3.0 units.

Prerequisites: 6 units of credit in the specialized area of study, at least 3 units of which must be at the third year level, and permission of the department.

Normally for Major students only.

ART 492 Units: 6.0 Hours: 0-6
Advanced Studio
Advanced Studio will give students time and opportunity to pursue studio practice within an intensive area. The course will involve individual studio practice and critique, group critique, and seminar. Each section will be team taught, and may include one faculty member from the university at large. Students will
choice a section based on topic, artistic direction and/or interests and media of the faculty team. Teams and topics will be announced each year prior to registration.

Note: May not be offered every year.

Prerequisites: 9 units of 300 level courses in Visual Arts.

ART 493 Units: 9.0 Hours: 1.5 - 7.5 Advanced Studio: Special Studies
Advanced Studio will give students time and opportunity to pursue studio practice within an intensive area. The course will involve individual studio practice and critique, group critique, and seminar. Each section will be team taught, and may include one faculty member from the university at large. Students will choose a section based on topic, artistic direction and/or interests and media of the faculty team. Teams and topics will be announced each year prior to registration.

Prerequisites: 9 units of 300 level courses in Visual Arts and permission of the Department.

ART 495 Units: 9.0 Hours: 3-6 Visual Structures in the Imaginative Realm, II
A continuation of ART 395, this course offers an enhanced education for the creation of objects and images within a studio centered context. Team taught by faculty from Visual Arts and other disciplines, students will be guided towards specific outcomes, including a graduation portfolio for those continuing on to professional practices or to graduate studies in visual art, design, or architecture.

Prerequisites: ART 395 or permission of the Department.

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 Arts 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 499 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: Physical science, mathematics and engineering students should consider taking ASTR 150 and/or 250 rather than 120.

ASTR 150 Units: 1.5 Hours: 3-3 Concepts in Modern Astronomy
This course introduces some of the great ideas and concepts in modern astronomy, as well as the basic physical principles required to understand these concepts. Topics covered include properties of the solar system, extrasolar planets, galaxies, expanding universe, big bang, origin of the elements, dark matter, dark energy, black holes, neutron stars.

Note: Credit will be granted for only one of ASTR 150, 200A, 200B, 304.

Pre- or corequisites: PHYS 112, 120 or 122; MATH 100 and 101; or permission of department.

ASTR 200B Units: 1.5 Hours: 3-3 General Astronomy: II
Stellar distances and magnitudes, binary stars, spectroscopic 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 250 Units: 1.5 Hours: 3-3 Introduction to Astrophysics
This course provides the physical foundation and introduction of astronomical terminology that is used in subsequent courses. Topics covered include astronomical coordinate systems, telescopes, stellar distances and magnitudes, binary stars, spectral classification, stellar evolution, variable stars, stellar motions, star clusters, interstellar medium, structure and rotation of the galaxy, extragalactic galaxies.

Note: Credit will be granted for only one of PHYS 200B, 250.

Prerequisites: One of PHYS 112, 120 or 122; MATH 100 and 101; or permission of department.

ASTR 255 Units: 1.5 Hours: 3-0 Introduction to Planetary Science
This course provides an overview of the study of planetary systems. The main focus is on our Solar System, but the course includes the study of planets outside the Solar System. Topics covered include: basic planet formation, planetary orbits, measurements of the properties of planets, study of extrasolar planets, the Earth-Moon system.

Note: Credit will be granted for only one of PHYS 255, 304.

Pre- or corequisites: PHYS 200B or 250, PHYS 215 and 216.

ASTR 305 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.

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.

Note: Credit will be granted for only one of PHYS 255, 304.

Pre- or corequisites: PHYS 200B or 250, 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.

Pre- or corequisites: MATH 326.

ASTR 402 Units: 1.5 Hours: 3-0 Introduction to Galaxies and Galactic Dynamics
Overview of the Milky Way, galaxy morphology, galaxy evolution, morphology-density relation, scaling relations, galactic dynamics, gravitational potential theory applied to galaxies, and stellar orbits in galaxies, active galaxies, gravitational lensing.

Pre- or corequisites: MATH 326.

ASTR 302B Units: 1.5 Hours: 3-0 Introduction to Astrophysical Processes
Topics covered may include: fundamentals of radiative transfer; radiation processes (e.g. bremsstrahlung, synchrotron radiation, Compton scattering), atomic and molecular spectra; the basics of plasma physics; gas dynamics (e.g. shocks, accretion flows and winds), collisional processes (ioniza-
ion, excitation); photo-ionization; line transfer effects (e.g. fluorescence, charge exchange).

Prerequisites: 200B or 250; PHYS 317, 323 and 326.

Pre-or corequisites: MATH 326; ASTR 303 is strongly recommended.

ASTR 404 Units: 1.5 Hours: 3-0
Introduction to Stellar Astrophysics
The structure and evolution of stars, stellar atmospheres, the production of stellar spectra, interstellar matter.

Prerequisites: 200B or 250; PHYS 317, 323 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: 200B or 250, and MATH 326, or permission of department. 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. Limited enrolment. Open to Biochemistry and Microbiology majors only, or by permission of department.

Prerequisites: MICR 200A and 200B, or 200.

Pre-or corequisites: BIOC 300A, or BIOC 300; or permission of department.

BCMB 301B Units: 1.5 Hours: 0-6
Formerly: Part of BIOC 301, MICR 302
Intermediate Laboratory II
An intermediate course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of BCMB 301B, BIOC 301.

Prerequisites: 301A

Pre-or corequisites: BIOC 300A, or BIOC 300; or permission of department.

BCMB 406A Units: 1.5 Hours: 0-6
Formerly: Part of BIOC 406, MICR 406
Advanced Laboratory I
An advanced course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of BCMB 406A and BIOC 406 or MICR 406. Limited enrolment. Open to Biochemistry and Microbiology majors only, or by permission of department.

Prerequisites: BCBM 301A and 301B, or BIOC 301 and MICR 301, 302; or permission of department.

BCMB 406B Units: 1.5 Hours: 0-6
Formerly: Part of BIOC 406, MICR 406
Advanced Laboratory II
An advanced course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of BCMB 406B and BIOC 406 or MICR 406. Limited enrolment. Open to Biochemistry and Microbiology majors only, or by permission of department.

Prerequisites: BCBM 301A and 301B, or BIOC 301 and MICR 301, 302; or permission of department.

BIOC Biochemistry
Department of Biochemistry and Microbiology
Faculty of Science

BIOC 102 Units: 1.5 Hours: 3-0
Biochemistry and Human Health
An introduction to current issues related to human health and disease and approaches taken by biomedical scientists in response to them. Cancer, autoimmune diseases, and coronary heart disease; the concept of risk factors; infectious diseases, e.g. AIDS, dysentery, tuberculosis, and parasitic infections; human nutrition, food safety and preservation, and their relation to health and world food shortages. Strategies for disease treatment, e.g. animal cloning, gene therapy, genetic engineering, vaccination, and the development of new pharmaceuticals such as human hormones; controversies associated with each strategy.

Note: Not open for credit to students registered in BIOC 300A or 300B, or with credit in a third-year BIOC or BIOL course.

BIOC 299 Units: 1.5 Hours: 3-0
Biochemistry for Non-Majors
An introduction to the concepts of biochemistry intended for students not majoring in biochemistry or microbiology. Properties of bio-molecules, basic enzymology and metabolism. Bioenergetics, nucleic acid structure and synthesis, Protein synthesis. Structure and properties of membranes.

Note: Not open for credit to students registered in, or with credit in any third-year BIOC course. Credit will only be given for one of BIOC 299, 300. Students without a background in cell biology may find they are required to do additional reading to fully understand some aspects of this course.

Prerequisites: CHEM 231

BIOC 300A Units: 1.5 Hours: 3-0
Formerly: Part of 300
General Biochemistry I
BIOC 300A and 300B are intended to provide detailed coverage of foundation topics for students majoring in biochemistry or microbiology. Protein structure and function, enzymes and enzyme kinetics, carbohydrates, lipids, biological membranes and bioenergetics.

Note: Credit will only be given for one of BIOC 300A and 300B.

BIOC 300B Units: 1.5 Hours: 3-0
Formerly: Part of 300
General Biochemistry II
BIOC 300A and 300B are intended to provide detailed coverage of foundation topics for students majoring in biochemistry or microbiology. Metabolic processes and their control, as well as structure and function of DNA, RNA, and genes.

Note: Credit will only be given for one of BIOC 300B and 300. CHEM 213 is recommended. At least a C+ standing in prerequisites is recommended.

Prerequisites: BIOC 300A and 300B, or BIOC 200, and MATH 326, or permission of department.

BIOC 401 Units: 1.5 Hours: 3-0
Gene Expression in Eukaryotes
An advanced study of gene expression in eukaryotes. Topics will include supramolecular 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 Hours: 3-0
Biochemistry of Signal Transduction
The biochemical basis of the transmission of molecular signals from a cell's exterior to its interior to bring about changes in cellular behavior and gene expression. Topics will include membrane lipids, signal protein modularity and cell migration.

Prerequisites: 300A and 300B, or 300; or permission of department.

BIOC 404 Units: 1.5 Hours: 3-0
Proteins
Detailed examination of protein structure and function emphasizing techniques for the determination of protein structure and the study of protein interactions in binding and catalysis. 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 Hours: 3-0
Plant Molecular Biology and Biochemistry
An advanced study of the molecular biology and biochemistry of higher plants with specific examples. Topics will include: seed biochemistry and embryogenesis, si RNA, chromatin remodelling, structure and function of hormone receptors and photoreceptors, cell signalling pathways during development and abiotic stress, plant-microbe interactions, innate immune responses and defense signaling, applied biochemistry.

Prerequisites: 300A and 300B, or 300; or permission of the department.

BIOC 470 Units: 1.5 Hours: 3-0
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 BioChem program.

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.
### BIOL - Biology

#### Department of Biology

**Faculty of Science**

<table>
<thead>
<tr>
<th>Course Code</th>
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| **BIOL 150A** | 1.5 | 3-0 | **Modern Biology**
  *An introduction to biological science, emphasizing the diversity of living organisms and the evolutionary and ecological principles underlying this diversity. Topics include the history of life on earth, mechanisms of evolution, and the ecology of populations, communities and ecosystems (including human ecology).*  
  **Note:** Not open to students with credit in 150, 190A or 190B. BIOL 150A and 150B may be taken in any order. Major and Honours students, see page 178. |
| **BIOL 150B** | 1.5 | 3-0 | **Modern Biology**
  *An introduction to biological science, emphasizing cellular and physiological processes. Topics include principles of genetics, cell biology, plant physiology and animal physiology.*  
  **Note:** Not open to students with credit in 150, 190A or 190B. BIOL 150A and 150B may be taken in any order. Major and Honours students, see page 178. |
| **BIOL 150C** | 1.5 | 2-2 | **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** | 1.5 | 3-3 | **General Biology I**
  *The first of two courses introducing the biological sciences. Biological chemistry, cellular diversity, membrane structure and function, energy transduction, DNA replication, mitosis and the cell cycle, meiosis and sexual life cycles, Mendelian genetics, gene expression, evolutionary theory, and diversity of prokaryotes, protists, plants, and fungi.*  
  **Note:** Credit will be granted for only one of 190A, 210.  
  **Prerequisites:** Biology 12, or Biology 11 and 150B, or BIOL 150A and B; Chemistry 11 or 12 strongly recommended. |
| **BIOL 190B** | 1.5 | 3-3 | **General Biology II**
  *The second of two courses introducing the biological sciences. Structure, growth, nutrition, and development of plants; animal diversity; principles of animal physiology including homeostatic mechanisms, circulation, gas exchange, osmoregulation, thermoregulation, defense systems, chemical signalling, reproduction, and development.*  
  **Note:** Credit will be granted for only one of 190B, 220.  
  **Prerequisites:** 190A or 210. |
| **BIOL 215** | 1.5 | 3-3 | **Principles of Ecology**
  *An introduction to factors controlling the distribution and abundance of plants and animals. Physical environments of organisms; biotic environments and interactions among species; factors influencing population growth; behavioural ecology; community ecology; succession; trophic levels and energy flow, island biogeography; biodiversity; human impact on global ecology; conservation ecology.*  
  **Note:** Credit will be granted for only one of 215, 306.  
  **Prerequisites:** 190A or 210; 190B or 220; or equivalent. |
| **BIOL 225** | 1.5 | 3-3 | **Principles of Cell Biology**
  *An introduction to cellular, subcellular, and molecular structure/function relationships in eukaryotic cells. Membrane structure and dynamics, membrane transport, protein sorting, vesicular transport, endocytic pathways, extracellular matrices, interactions with the cellular and acellular ecosystems, endomembrane system, cytoskeleton and motility, cellular reproduction, mechanisms of cell signalling, techniques in cell biology.*  
  **Note:** Credit will be granted for only one of 225, 200.  
  **Prerequisites:** 190A or 210 or equivalent.  
  **Pre- or corequisites:** 190B or 220 or MICR 200 or 200A or equivalent. |
| **BIOL 230** | 1.5 | 3-3 | **Principles of Genetics**
  *Introduction to principles of inheritance. Classical genetic theory; meiosis, mitosis, recombination, population genetics and evolution, genotype, phenotype, random assortment, dominance, DNA structure, function, replication and molecular basis of inheritance. RNA and protein synthesis, regulation of transcription and gene organization. Introduction to DNA technologies.*  
  **Note:** Credit will be granted for only one of 230, 300.  
  **Prerequisites:** 225  
  **Pre- or corequisites:** CHEM 231; BIOC 299 recommended. |
| **BIOL 307** | 1.5 | 3-3 | **Chordate Zoology**
  *Comparative anatomy of the chordates. Chordate diversity, evolution of organ systems. Laboratory work involves dissections of representative specimens; a term report is required.*  
  **Note:** Credit will be granted for only one of 307, 207.  
  **Prerequisites:** 190A or 210; 190B or 220; and 225. |
| **BIOL 309** | 1.5 | 3-3 | **Developmental Biology**
  *The development processes of animals, emphasizing the principles and major mechanisms regulating morphogenesis and cellular differentiation. Laboratories will introduce students to observations and manipulations of embryos of a range of organisms.*  
  **Prerequisites:** 360. |
| **BIOL 311** | 1.5 | 3-3 | **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, 311B, EOS 311.  
  **Prerequisites:** MATH 100 or 102, PHYS 102 or 112 and CHEM 101/102; BIOL 215 recommended. |
| **BIOL 312** | 1.5 | 3-3 | **Introductory Entomology**
  *The scientific study of insects, focusing on phylogenetic systemsatics, ecology and evolution. The lab focuses on insect identification and developing an insect collection. To begin collecting insects in the summer preceding the course, contact the instructor for instructions and collecting equipment.*  
  **Prerequisites:** 190B or 220, 215. |
| **BIOL 314A** | 1.5 | 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 318** | 1.5 | 3-3 | **Systems of Flowering Plants**
  *An introduction to systems of angiosperms, including principles of classification; rules of nomenclature; identification and use of keys; the major groups of flowering plants; species concepts; and experimental approaches to systematics. A collection of 25 properly identified plants is required, preferably made during the preceding summer. Contact instructor for details and collecting equipment as early as possible.*  
  **Prerequisites:** 190A or 210; 190B or 220; third-year standing; 324 recommended. |
| **BIOL 319** | 1.5 | 3-3 | **Marine Ecology**
  *The agents that control the distribution of organisms and structure of marine communities, including the influence of environmental conditions on plant and animal populations, organic matter and nutrient cycling, consumer dynamics and competition, community stability and diversity.*  
  **Prerequisites:** 321 or 206, 306 or corequisite 330 or ES 310 or 344. 323 or 203 recommended. |
| **BIOL 321** | 1.5 | 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** | 1.5 | 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, 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** | 1.5 | 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** | 1.5 | 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. |
Biology of the Vertebrates of British Columbia

Factors that influence the organization, distribution, and diversity of vertebrates in BC. Topics include: natural history, systematics, sample design, biodiversity, and conservation initiatives. Course goals are to appreciate the diversity of vertebrates and understand life histories and species-at-risk issues. The lab will focus on identification of over 400 species of vertebrates by using calls, digital images, and study skins. Optional field trips. Attendance at the Annual Vertebrate Symposium is mandatory.

Prerequisites: 215; third-year standing.

Cell Biology

Structure and function of animal and plant cells and tissues, membrane structure, transport, cellular compartments, cytokoskeleton, cell growth and division, cell adhesion, extracellular matrix, tissue organization and renewal.

Prerequisites: 230; BIOC 200 or 299 or pre- or corequisite 300A or 300B.

Molecular Genetics

Regulation of the human genome, including organization of the genome, how transcription is regulated at the molecular level, how differential transcription gives rise to specialized cell types, and how deregulation of gene expression can lead to disease.

Prerequisites: 230; BIOC 200 or 299 or 300A.

Pre- or corequisites: BIOC 300B.

Techniques in Molecular Biology

An introduction to basic techniques in molecular biology. Nucleic acid (DNA and RNA) extractions; RFLP; PCR; molecular cloning; gel electrophoresis; 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 assessments on WHMIS, BioSafety and Radiation Safety.

Prerequisites: 230

Pre- or corequisites: BIOC 200 or 299 or 300A or 300B; BIOC 360 or 361 recommended.

Animal Physiology

Fundamentals of animal physiological systems: principles of cellular and organismic homeostasis, nutrition, digestion, salt/water balance, respiration, circulation, muscle contraction, excitable membranes, sensory systems, brain functions, hormones, reproduction. Laboratory includes study of live animals.

Note: Credit will be granted for only one of 365, 305A, 305B.

Prerequisites: 190B or 220; 225; BIOC 200 or 299 or 300A or 300B; third-year standing

Plant Physiology

Principles of plant physiology: photosynthesis, water relations, ion uptake, translocation, carbohydrates, nitrogen and lipid metabolism, phenolics, phytohormones, tropisms, phytotaxis.

Note: Credit will not be given for 366 and 331A, 331B.

Prerequisites: 225

Pre- or corequisites: BIOC 200 or 299 or 300A or 300B; third-year standing

Conservation Biology

Diversity of organisms, functioning of ecosystems, and the impact of human activities on these. Topics include the nature of biological diversity; extinction and its cause; habitat alteration and fragmentation; effects of exotic species; economic and ethical considerations; practical applications and analytical tools; and legal frameworks for conserving species and habitats.

Note: Credit will be granted for only one of 370, ER 313, ES 318, ES 320, ES 348.

Prerequisites: 190A or 210, 215, 230, and STAT 255 or 260.

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.

Biotechnology

The tools of molecular biology and biotechnology (including the enzymes, cloning vectors and cloning strategies used in recombinant DNA technology, as well as the origins of these tools), and the application of genetic engineering to medicine, agriculture, forestry, forensic science and related areas. Lectures will also include bioethics and the impact of biotechnology on society.

Pre- or corequisites: 360 or 361 or BIOC 300 or 300B.
### BIOL 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 the factors controlling the abundance and distribution of terrestrial plants. Topics examined will include: the effect of environmental factors on plants; population dynamics; competition; plant-plant 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 426 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 a class seminar required. Laboratory experiments to demonstrate basic principles of population ecology and relevant quantitative techniques. Quantitative aspects of population ecology are stressed.

**Prerequisites:** 330 or ES 310 or 344.

### BIOL 432 Units: 1.5 Hours: 3-0
**Molecular Endocrinology**

Basic and molecular aspects of endocrinology. Brain hormones and their precursors, insulin and its receptor, gene-associated peptides, new glycoprotein hormones and their precursors, insulin and its receptors, pheromones, onco-mones, growth factors, steroids, the superfamily of steroid and thyroid receptors, pheromones, oncogenes, and permission of the instructor.

**Prerequisites:** 225, 230, 230, 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 methaneogenesis; 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 441 Units: 1.5 Hours: 3-0
**Advanced Vertebrate Physiology**

The integrated function and regulation 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, fisheries productivity, and contaminant transport. Critical review of recent journal articles. Written and oral presentations required.

**Prerequisites:** Fourth-year standing and one of: 311, 311B, 330, EOS 311, ES 310, 344, GEOG 371.

### BIOL 447 Units: 1.5 Hours: 3-0
**Advanced Cell Biology**

Selected topics in cell biology. Topics will vary from year to year and may include: the cell cycle, regulation of transcription, protein/vesicle trafficking, and signal transduction. Current primary literature will be the focus.

**Prerequisites:** BIOL 360, BIOL 300A and B; BIOL 361 is highly recommended.

### BIOL 448 Units: 1.5 Hours: 3-0-2
**Neuroethology**

Examination of the neural basis of behaviour. Insights into the neuronal organization of behaviour through examination of neuronal 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
**Formerly: part of 355 Evolution**

Evolutionary processes and the spatial and temporal patterns they produce. Natural selection and other microevolutionary processes; the basis of morphological and molecular change; species and speciation; macroevolution; phylogeny reconstruction; the origin of life.

**Note:** Credit will be granted for only one of 455, 355.

**Prerequisites:** 230 and two of 307, 321, 322, 323, 324 or 329.

### BIOL 458 Units: 1.5 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 or 299 or 300 or 300A, or 300B. BIOL 300A or 300B is the recommended prerequisite.

### BIOL 460 Units: 1.0
**Honours Seminar**

Participation in seminars as arranged by the department and the Honours Coordinator. Required of all Honours students in their fourth year of studies, as an addition to the normal 15 units.

**Grading:** COM, N, 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, an addition to the normal 15 units.

**Prerequisites:** Honours students in their fourth year of studies, 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.
BIO 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: BIO 490A-G may be taken more than once, normally to a maximum of 3 units.  
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.  
Grading: INP; letter grade.

BIO 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: BIO 490A-G may be taken more than once, normally to a maximum of 3 units.  
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.  
Grading: INP; letter grade.

BIO 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: BIO 490A-G may be taken more than once, normally to a maximum of 3 units.  
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.  
Grading: INP; letter grade.

BIO 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: BIO 490A-G may be taken more than once, normally to a maximum of 3 units.  
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.  
Grading: INP; letter grade.

BIO 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: BIO 490A-G may be taken more than once, normally to a maximum of 3 units.  
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.  
Grading: INP; letter grade.

BIOL 490B  Units: 1.5  Directed Studies and Research in Ecology  
Departmental permission may be given for supervised research projects, individual study, or directed readings.  
Note: 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: INP; letter grade.

BIOL 490D  Units: 1.5  Directed Studies and Research in Marine Biology  
Departmental permission may be given for supervised research projects, individual study, or directed readings.  
Note: 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: INP; letter grade.

BIOL 490E  Units: 1.5  Directed Studies and Research in Zoology  
Departmental permission may be given for supervised research projects, individual study, or directed readings.  
Note: 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: INP; letter grade.

BIOL 490F  Units: 1.5  Directed Studies and Research in Cell and Molecular Biology  
Departmental permission may be given for supervised research projects, individual study, or directed readings.  
Note: 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: INP; letter grade.

BIOL 490G  Units: 1.5  Directed Studies and Research in Evolution  
Departmental permission may be given for supervised research projects, individual study, or directed readings.  
Note: 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: INP; 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 241  Units: 1.5  Hours: 3-3  
Formerly: 290  
Digital Design 1  
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, Tool-Blox, other). Standard circuits - adders, subtractors, multiplexers, demultiplexers, shift registers, flip-flops, State transition diagrams, Mealy-Moore finite state machines. State assignment and machine realization, counters. Introduction to Verilog and its use to design combinational and sequential circuits. Advanced topics to include design with PLDs, PLAs, FPGA's.  
Note: Credit will be granted for only one of 241, 290.  
Grading: INP; letter grade.

CENG 245  Units: 1.5  Hours: 3-0  
Formerly: 345  
Discrete Structures  
Note: Credit will be granted for only one of 245, 345.  
Grading: MATH 101 and 133 or 239A.

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. 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).  
Note: Credit will be granted for only one of 255 and CSC 230.  
Grading: CSC 115 or 160.

CENG 355  Units: 1.5  Hours: 3-1.5  
Microprocessor-Based Systems  
Prerequisites: 255, or CSC 230, or MECH 405.  
Grading: INP; letter grade.

CENG 412  Units: 1.5  Hours: 3-0  
Also: SENG 412  
Human Factors in Engineering  
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.  
Note: Credit will be granted for only one of 412, SENG 412.  
Grading: INP; letter grade.

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.  
Grading: INP; letter grade.

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  
Advanced combinational and sequential logic design. Optimization of finite state machines; timing methodologies and synchronization issues. Hardware description languages (HDL); structural and behavioural descriptions, simulation and testbenches, coding styles, design with HDL and FPGA implementation. Design for test: testing concepts, scan-based design and built-in self-test (BIST). Design for high speed: timing analysis, pipelining and retiming. Design for low power: sources of power dissipation, design transformations.  
Note: Credit will be granted for only one of 441, 440, or 441, 465.  
Grading: INP; letter grade.

CENG 450  Units: 1.5  Hours: 3-3  
Computer Systems and Architecture  
Architecture and performance of modern processors, performance metrics; instruction set architectures and their impact on performance; instruction and arithmetic pipelines; pipeline hazards; exception handling; caches. Integral to the course is a project laboratory. Working in teams, students are expected to design and implement a processor based on a given specification of a single instruction set. Student's progress is determined through a preliminary design review, a presentation, demonstration of the implementation and a final report.  
Grading: INP; letter grade.

CENG 453  Units: 1.5  Hours: 3-0  
Parallel and Cluster Computing  
Overview of massively parallel and cluster computers. Processing models (shared memory versus message passing). Processes and threads. Standard algorithms utilizing parallelism. Matrix and vector operations, N-body problems, collective communications. Parallel application environments MPI and OpenMP. The course will include significant exposure to parallel applications including developing and coding parallel codes.  
Prerequisites: 355 and fourth-year standing.

CENG 455  Units: 1.5  Hours: 3-3  
Real Time Computer Systems Design Project  
Techniques that can be used to guarantee the completion of a computation ahead of its deadline. Scheduling techniques for periodic and non-periodic tasks. Organization and functionality of real time kernels. Students must complete a design project.
that involves substantial real time software design and implementation. This design experience is based on the knowledge and skills acquired in earlier course work. Students work in teams. Progress is determined through a preliminary design review, presentation, demonstration of the design, and final report.

Prerequisites: 355 or CSC 355, and fourth-year standing.

**CENG 460**  
Units: 1.5  
Hours: 3-1.5  
**Computer Communication Networks**  
Introduction to computer networking principles and engineering including remote access, wide-area networking, local area networks, network topology, communication hardware and software protocols, open-system-interconnection model, routing and flow control, performance, reliability, security, example networks.

**Note:** Credit will be granted for only one of 460, CSC 450.

Prerequisites: 255 or CSC 230 or MECH 405.

**CENG 461**  
Units: 1.5  
Hours: 3-0  
**Design and Analysis of Computer Networks**  

Prerequisites: STAT 254 or 260, and fourth-year standing.

**CENG 496**  
Units: 1.5  
**Selected Topics in Computer Engineering**  
**Note:** May be taken more than once for credit in different topics to a maximum of 3 units with permission of the Chair of the Department.

Prerequisites: The student must be registered in term 4A or 4B.

**CENG 499**  
Units: 1.5  
Formerly: 499A and 499B  
Hours: 0-6  
**Design Project**  
A significant technical design project in Computer Engineering completed under the supervision of a faculty member. This design experience is based on the knowledge and skills acquired in earlier course work. Projects may originate from faculty members, students, or external sources. They may have a diverse nature and serve diverse needs. Multi-disciplinary projects are encouraged.

**Note:** Credit will be granted for only one of 499, 499A, 499B.

Prerequisites: Fourth-year standing in the Computer Engineering Program or permission of the Department.

**CHEM**

**Chemistry**  
Department of Chemistry  
Faculty of Science  

**CHEM 091**  
Units: 0  
Hours: 0-1-0  
**Introduction to Chemistry I**  
Special tutorial course for students who do not have Chemistry 12, which is designed to provide background for students who intend to 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: 3-3  
**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, 102, 124, 140, 150.  
- Students without Chemistry 12 must also enrol in 091 if they wish to take CHEM 102.

Prerequisites: Mathematics 12 and Chemistry 11 or 12 or their equivalents.

**CHEM 102**  
Units: 1.5  
Hours: 3-3  
**Fundamentals of Chemistry: II**  
Basic physical 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: 3-3  
**Engineering Chemistry**  
Thermochemistry; atomic and molecular structure; chemical bonding; gases, liquids, and solids; solutions and phase equilibrium; equilibrium; chemical thermodynamics; electrochemistry.

**Note:** Credit will be granted for only one of 150, 100, 101.

Prerequisites: Admission to BENG or BSEN program, Mathematics 12 and Chemistry 11 or their equivalents; Chemistry 12 is recommended.

**CHEM 212**  
Units: 1.5  
Hours: 3-4  
Formerly: 312  
**Introductory Quantitative Analysis**  
Introduction to the basis of quantitative analytical chemistry, treatment of data and chemical equilibrium. Sampling 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; stereoechemistry; nucleophilic substitution; elimination; alkenes, alkynes, dienes; alcohols and ethers.

**Note:** This course is a prerequisite for all other courses in organic chemistry.

Prerequisites: 101 or 150.

**CHEM 232**  
Units: 1.5  
Hours: 3-4  
**Organic Chemistry For Health and Biological Sciences**  
Introduction to spectroscopy; aldehydes, ketones; carboxylic acids and derivatives; natural products: carbohydrates, amino acids, proteins, terpenoids, steroids, aldol condensation paradigms in biological systems, fatty acid biosynthesis.

**Notes:** - Credit will be granted for only one of 232, 235.  
- This course is intended for students in Biology and those preparing to enter professional schools such as Medicine, Pharmacy, Dentistry, Forestry or Nursing.

Prerequisites: 231 and 102.

**CHEM 235**  
Units: 1.5  
Hours: 3-4  
**Organic Chemistry**  
Free radicals; aromatic compounds; aldehydes and ketones, carboxylic acids and derivatives; beta-dicarbonyl compounds; carbohydrates.

**Notes:**  
- Credit will be granted for only one of 235, 232.
- This course is a continuation of 231 intended for Honour 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: CHEM 102 and either 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 Air Pollution**  
Chemical principles used in the manufacture of commodity chemicals, fertilizers, explosives, and in the mining and smelting industries. Problems and meth-
ods 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 Water Pollution
Chemical principles used in the petroleum production and refining, petrochemical, pulp and paper, and fermentation industries. Emission problems and their control, by-product utilization and waste disposal into soil, water and air. Assimilatory capacities, eutrophication, and natural and manmade control and recovery procedures for water pollutants.

Notes: - Credit will be granted for only one of 303, 306, 478. 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
Quantum Chemistry
Introduction to quantum chemistry, molecular orbitals and bonding. The Schrödinger equation and its solutions for some simple systems. Wavefunctions, one-electron and multielectron atoms, rotation and vibration of molecules. Molecular orbitals and bonding in diatomic and polyatomic molecules.

Note: Credit will be granted for only one of 347, 446.

Prerequisites: 213 or 245, and MATH 101.

CHEM 352 Units: 1.5 Hours: 3-0
Reaction Mechanisms and Dynamics
Predicting the kinetic behaviour of different types of mechanisms. Deduction of mechanisms and interpretation of activation parameters from experimental data. Predicting and controlling rate by varying solvents, substituents, catalysts, etc. Use of a wide range of examples from inorganic and organic chemistry to illustrate these ideas.

Prerequisites: 222, 245, and 232 or 235.

CHEM 353 Units: 1.5 Hours: 3-0
Structure, Reactivity and Bonding

Prerequisites: 222, and 232 or 235.

CHEM 361 Units: 1.5 Hours: 0-3
Formerly: Part of 312 and 318 (prior to 2001W session)
Analytical Chemistry Laboratory
This laboratory will build on expertise acquired in CHEM 212, with greater emphasis on 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.

Note: Credit will only be given for 362 or either 323 or 324 if taken prior to Winter 2001.

Prerequisites: 213 and 222.

Grading: Letter grade, INP.

CHEM 363 Units: 1.5 Hours: 0-3
Formerly: Part of 335 and 338 (prior to 2001W session)
Organic Chemistry Laboratory
This laboratory course will emphasize organic synthesis and the relationship between spectra and structure of synthesized materials; analysis of synthesized compounds will be shown to relate structure with reactivity and stereoselectivity. Students should note that this is a two-term course.

Note: Credit will only be given for 363 or either 335 or 338 if taken prior to Winter 2001.

Prerequisites: 213, and 232 or 235.

Grading: Letter grade, INP.

CHEM 364 Units: 1.5 Hours: 0-3
Formerly: Part of 346 and 347 (prior to 2001W session)
Physical Chemistry Laboratory
This laboratory course builds on expertise acquired in CHEM 245 and presents a variety of physical chemistry experiments at an intermediate level. Students should note that this is a two-term course.

CHEM 367 Units: 2.0 Hours: 4-0
Physical Chemistry, co- taught with CHEM 307

Note: Credit will only be given for 367 or either 307 or 367 if taken prior to Winter 2001.

Prerequisites: 245, and 214.

Grading: Letter grade, INP.

CHEM 369 Units: 1.5 Hours: 3-0
Advanced Physical Chemistry

Note: Credit will only be given for 369 or either 368 or 369 if taken prior to Winter 2001.

Prerequisites: 245, and 214.

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: 232 or 235.

CHEM 411 Units: 1.5 Hours: 2-0-1
Advanced Instrumental Analysis
A discussion of electronic data acquisition and manipulation as used in modern chemical instrumentation. Included will be some of the following: mass spectrometry, x-ray spectroscopy, NMR, EPR, etc.

Prerequisites: 318.

CHEM 421 Units: 1.5 Hours: 3-0-0
Advanced Inorganic Chemistry
Advanced topics in inorganic chemistry from across the periodic table, building on principles established in 222, 353 and 324. Topics may include main group organometallics, novel structures and reactivity, catalysis, inorganic polymers, zeolites, fullerenes, metal-metal and metal-ligand multiple bonding, bioinorganic chemistry, metal clusters, or chemistry of the lanthanides and actinides.

Note: Credit will be given for only one of 421 and either 424 or 426.

Prerequisites: 324, 353.

CHEM 423 Units: 1.5 Hours: 2-0-1
Organometallic Chemistry
A detailed look at transition metal organometallic chemistry. Bonding theory, synthesis and reactivity of sigma-bonded alkyls and aryls, metal carbonyls and pi-bonded organic liquids such as alkenes, alkynes, aldehydes, and amines. 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, bioinorganic chemistry and metal cluster formation; special topics chosen from areas of current research interest.

Prerequisites: 324.

CHEM 426 Units: 1.5 Hours: 3-0
Advanced Main Group Chemistry
A more advanced selection of topics in modern s- and p-block chemistry designed to build on the principles established in 222 and 353. Topics may include main group organometallics, novel structures and reactivity, inorganic polymers, zeolites, and fullerenes.

Prerequisites: 353.

CHEM 432 Units: 1.5 Hours: 3-0
Advanced Organic Synthesis
Building on the methodology learned in 335, this course focuses on the art and science of total synthesis, including modern asymmetric transformations, organometallic coupling strategies (e.g. Pd- and Ru-mediated reactions), and considerations of synthetic
efficiency. Students will learn to evaluate and propose syntheses of complex natural products.

Prerequisites: 335

CHEM 433 Units: 1.5 Hours: 3-0-0
Organic Structure Determination: the Chemistry of Natural Products
Elucidation of the structures of organic compounds from spectral information. The chemistry of several classes of natural products, including examples demonstrating structural elucidation, synthesis, and biogenesis.

Prerequisites: 335.

CHEM 434 Units: 1.5 Hours: 2-0-1
Physical Organic Chemistry
Mechanisms of organic reactions with emphasis on detection and kinetics of reactive intermediates.

Prerequisites: 352.

CHEM 437 Units: 1.5 Hours: 3-0-0
Biological and Medicinal Chemistry
An introduction to medicinally important biological systems and the small molecules that perturb them. Topics will include chemical aspects of proteomics, biological target identification, mechanisms of action for important drugs, lead identification and development, and enzyme inhibitor design.

Prerequisites: Any biochemistry or biology course numbered 200 or higher, or permission of the instructor.
Pre- or corequisites: CHEM 335

CHEM 447 Units: 1.5 Hours: 2-0-1
Lasers, Reaction Dynamics and Spectroscopy
Molecular spectroscopy, lasers and reaction dynamics. May also include molecular beams, laser spectroscopy and related quantum chemistry.

Prerequisites: 347 or 446.

CHEM 454 Units: 1.5 Hours: 2-0-1
Supramolecular Chemistry
An introduction to the principles of supramolecular chemistry: structure, stability, and dynamics of supramolecular complexes, and supramolecular assemblies. The functions of supramolecular complexes in molecular recognition, catalysis, and transport and the applications of supramolecular concepts in molecular design.

Prerequisites: 352.

CHEM 455 Units: 1.5 Hours: 3-0-0
Instrumentation and Electronics
An introduction to electronics, with particular reference to connection, fault-diagnosis, and comprehension of scientific instruments. Basic electronic components, schematics, op-amps, transistors, construction, methods, basic digital electronics, instrument connections (impedance matching, computer interfaces), transducers.

Prerequisites: 212 or 312.

CHEM 458 Units: 1.5 Hours: 2-0-1
Statistical Thermodynamics
Ensembles, partition functions, distinguishable and indistinguishable molecules; statistical mechanical expressions for thermodynamic functions; application to ideal monatomic, diatomic and polyatomic gases, monatomic crystals and chemical equilibrium; classical and quantum statistics.

Prerequisites: 213 and 245

CHEM 459 Units: 1.5 Hours: 2-0-1
Materials Science
Introduction to the properties of materials from a chemical perspective, including the principles behind modern materials and their technological applications. Electronic structure of solids. Electronic conductivity, types of conducting materials: metals, semiconductor, polymeric conductors. Other topics may include magnetic, optical, mechanical, or interfacial properties.

Prerequisites: 353.

CHEM 465 Units: 1.5 Hours: 0-0-6
Fourth Year Laboratory
Advanced laboratories in chemistry. Students may choose two components from options in the following areas: analytical, inorganic synthesis and properties, organic synthesis and properties, or spectroscopy and physical measurement.

Prerequisites: Permission of the department.

CHEM 466 Units: 1.5 Hours: 0-0-6
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 Hours: 3-0-0
Organic Photochemistry/Reactive Intermediates
Introduction to organic photochemistry and photophysics. Reactivity and mechanisms of organic functional groups on electronic excitation. Structure and reactivity of organic reactive intermediates such as radicals, biradicals, carbenes, nitrenes, carbenoids, and carbanions. Fast kinetic methods for studying the above topics will be emphasized.

Prerequisites: 352.

CHEM 475 Units: 1.5 Hours: 3-0-0
Electrochemistry

Prerequisites: 352.

CHEM 476 Units: 1.5 Hours: 3-0-0
Introductory Polymer Chemistry
Kinetics and mechanisms of polymer and copolymer synthesis, characterization of polymers and molecular weight distributions. Thermodynamics of polymer solutions, the crystalline and amorphous states, rubber elasticity, structure-property relationships. Special topics in polymer materials.

Note: Credit will be granted for only one of 476, 336.
Prerequisites: 245

CHEM 477 Units: 1.5 Hours: 2-0-1
Computational Chemistry
Introduction to the use of computers to calculate data such as properties of molecules; kinetic or thermodynamic parameters of reactions.

Prerequisites: 347 or 446.

CHEM 478 Units: 1.5 Hours: 3-0-0
Formerly: 306
Introduction to the Chemical Process Industries
A comparative discussion of a number of chemical industries and the details of their processes. To include unit operations, unit processes and economics.

Note: Credit will be granted for only one of 478, 302, 303, 306. This course is primarily designed for students taking a Chemistry program.
Prerequisites: 222, 245, and 232 or 235.

CHEM 480 Units: 1.5 Hours: 2-0-1
Chemical Applications of Group Theory
Properties of a group; symmetry operations and symmetry elements; molecular symmetry groups; representations and characters; symmetry classification of 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 Hours: 0-0-6
Research
Experimental research under the direction of department members. For fourth year Chemistry Major students who wish to gain some experience in chemical research.

Note: Credit will be granted for only one of 498, 499.
Prerequisites: Permission of the department.
Grading: letter grade.

CHEM 499 Units: 3.0 Hours: 0-0-6
Thesis
Experimental research under the direction of faculty. This course is required for Chemistry Honours students.

Note: Credit will be granted for only one of 499, 498. Chemistry Major students may be granted permission by the department to take the course as an elective.
Grading: INP; letter grade.

CHIN

Chinese
Department of Pacific and Asian Studies
Faculty of Humanities

The Department takes two criteria into account in considering advanced placement for students entering Chinese language courses at the University. One of these is competence in spoken Modern Standard Chinese (Mandarin); the other is ability to read and write the Chinese script, the common written vehicle for a variety of related spoken Chinese languages (for example, Mandarin, Cantonese, Hakka, etc.). For purposes of course placement, the Department defines as “native speakers” those who are native speakers of any of these languages and who are also able to read at least simple materials (i.e., at the middle school level) written in the Chinese script. “Native speakers” who lack a good foundation in spoken Mandarin or whose reading ability in Chinese is not equivalent to that of a high school graduate should register in CHIN 220 / 320 (410); others should register in CHIN 420.

Students whose ability to read and write Chinese is limited but who have some experience in spoken Mandarin, including those with high school credit in Mandarin, should consult the Department about advanced placement. Students who register in Chinese language courses without such consultation may be required to transfer to different courses at the Department’s discretion. Note that students who have passed the provincial examination in Mandarin 12 may not register in CHIN 149 or 150.

CHIN 145 Hours: 3.0
Intensive Chinese: 1
Intensive Chinese language instruction for beginning language students. Equivalent to 100A and 100B but covered in one term.
CHIN 150  Units: 3.0  Hours: 6-1
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  Hours: 3-0
Aspects of Chinese Culture: I
A survey of cultural development of the Han Chinese
from earliest times to the mid-nineteenth century.
Philosophy, religion, literature, technology and the
arts will be the most important areas of discussion.
Relevant political, economic and social background
will also be introduced.
Note: Credit will be granted for only one of 201A, 201.
No knowledge of Chinese language is required.

CHIN 201B  Units: 1.5  Hours: 3-0
Aspects of Chinese Culture: II
A survey of Chinese culture from the mid-nineteenth
century to the present. Contemporary culture pat-
tterns will be placed in traditional perspective. The
relevant political, economic and social contexts will
also be considered. The effects of modern events
on cultural life, particularly literature, the arts,
religion and education system will be emphasized.
Note: Credit will be granted for only one of 201B, 201.
Prerequisites: 201A or permission of the department.

CHIN 220  Units: 1.5  Hours: 3-0
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 romanization
system; concentration will be on listening and speak-
ing.
Note: Credit will be granted for only one of 220, 410.
Not open to non-native speakers. Limited to 35 stu-
dents per section.
Prerequisites: Knowledge of a non-Mandarin form of
Chinese and permission of the department.

CHIN 249A  Units: 1.5  Formerly: half of 249 and 300
Intermediate Modern Chinese
A sequel to 150 or 200A/B. Primary emphasis on
reading and translation of works 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,
291, 300. Not open to native speakers. Limited to 25
students per section.
Prerequisites: Normally a minimum final grade of B in
150 or 200A/B (or 200) or equivalent.

CHIN 249B  Units: 1.5  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 opportu-
nity to make more advanced classroom presentations
and present longer written assignments in Chinese.

CHIN 261  Units: 1.5  Hours: 3-0
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, seman-
tics, historical changes, poetics, dialectology, orthog-
raphy, the sociolinguistic and psycholinguistic aspects
of Chinese, the relationship between the Chinese
language, thought, culture, and the history of Chi-
ese 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 concen-
tration 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 de-
rived 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
works from late Qing and Republican China. The de-
velopment 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 fiction and drama written in the
1930s and 1940s. There will be supplementary read-
ings in social and political history and literary criti-
cism. The course will be taught in English.
Prerequisites: Second-year standing or permission of
the instructor.

CHIN 306  Units: 1.5  Hours: 3-0
The Literature of the People's Republic of
China 1949 to the Present
A study of Chinese literary texts written in a range of
forms and styles during the period of communist rule
and covering such important issues as the social
position of women, land ownership, 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 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.

Note: Credit will be granted for only one of 201B, 249,
300. Not open to native speakers. Limited to 25 stu-
dents per section.
Prerequisites: Normally a minimum final grade of B in
249A.

CHIN 320  Units: 1.5  Hours: 3-0
Intermediate Mandarin For Speakers of Other
Chinese Languages
A sequel to 220. This course continues instruction in
the sounds of Mandarin Chinese, and adds the read-
ing 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 permis-
sion 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-space/contexted space; auteurism in
Chinese cinema; development within a particular
gener 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
reinvents 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  Formerly: half of 349 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 stu-
dents per section.
Prerequisites: Normally a minimum final grade of B in
249B (or 249 or 300) or equivalent.

CHIN 349B  Units: 1.5  Formerly: half of 349 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 newspa-
ers, journals and books from Mainland China and
Taiwan, and selected internet sites.
Note: Credit will be granted for only one of 349B, 349,
400. Not open to native speakers. Limited to 25 stu-
dents 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 CHIN 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. 
Prerequisites: A minimum grade of A- in CHIN 349 (or 400) (for non-native speakers), or a minimum grade of B in CHIN 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 205 Units: 0 Hours: 3-0-1
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 Commerce students. 
Note: International BCom students, pre-admitted students and BCom students only. 
Grading: INF, 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 in improving organizational effectiveness. Topics include individual motivation, perception and communication, managerial roles, schools of management theories, group processes and team work, leadership, supervision, and introduction to organizational structure, processes, and culture. 
Notes: - Credit will be granted for only one of 220, 120, PSYC 334, PSYC 334A, SOCI 332, SOCI 334. 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 statements, analysis, capital budgeting, valuation of stocks and bonds, tax environments, risk and return tradeoffs, diversification, capital market efficiency, and an introduction to international finance issues. 
Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental. 
Pre- or corequisites: 202 or 253 or 270 and second-year standing.

COM 250 Units: 1.5 Hours: 3-0
Fundamentals of Marketing
Product design and management, distribution channels, and marketing communications are examined as key elements of the marketing mix. Consumer buyer behaviour, sales force management, and marketing research are other topics to be reviewed. 
Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental. 
Prerequisites: Second-year standing.

COM 270 Units: 1.5 Hours: 3-0
Financial and Management Accounting For Specialists
Introduction to the construction and interpretation of financial statements and the development and use of accounting information for management planning and control, including the development of cost information. 
Note: Credit will be granted for only one of 270 or 210. Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental. 
Prerequisites: Second-year standing.

COM 290 Units: 1.5 Hours: 3-0
Introduction to Canadian Business
An overview of the Canadian business system - examination of the economic, geographical, historical, legal, and political factors. Examples may include the business functions of production, marketing, finance and human resources. Emphasis on management case studies, oral presentations and working in groups. 
Notes: - Credit will be granted for only one of 290, 100, 390. 
- Open only to International students and pre-Commerce Business students.

COM 295 Units: 1.5 Hours: 3-0
Canadian Business Studies
Provides an overview for international students of the Canadian business environment, examining the economic, geopolitical, and historic context. Intended to be experiential, bringing the student into contact with Canadian businesses and their managers.
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 organization, 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 managerial accounting tools and models available to managers for use in their planning, controlling, and global decision-making functions. Topics include the behaviour of costs, the differential concept, short-run choice decisions, cost-volume-profit relationships, variance analysis, and the management control process.  
Prerequisites: Restricted to students admitted to the BCom Program.

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 352  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  
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 society 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, geographical, historical, legal, and political factors influencing the environment of doing business in Canada.  
Note: Credit will be granted for only one of 100, 290, 380. Open only to incoming Faculty of Business Exchange students or with permission of BCom Program Director.

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 instill 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 seminar style classes and invited panels. It covers competitive advantages of electronic communications technologies, fundamentals of data communications; the technical elements of effective use of the Internet for business; and security, privacy, and intellectual property issues related to online business.  
Prerequisites: 230 or 331 and fourth-year standing.

COM 420  Units: 1.5  Hours: 3-0  
Industrial Relations  
An overview of the employment relationship and the labour relations process in unionized settings. The development of the Canadian Labour Movement, functions of trade unions, labour legislation, interests and rights disputes, and dispute resolutions are examined.  
Prerequisites: 220 and 310; or 321 and 322 and fourth-year standing.
### COURSE LISTINGS

**COM 425**  
**Units:** 1.5  
**Hours:** 3-0  
**Taxation for Managers**  
Taxes have a major influence on business decisions. Often the form of organization, the expansion process, the raising of capital or the methods of acquiring and selling a business are influenced by alternative tax treatments. The course first reviews the fundamentals of the income tax system for all taxpayers. It then examines tax planning techniques that maximize cash flow and return on investment. While the course emphasizes business decisions, it includes personal financial planning issues.  
**Prerequisites:** 270 or 315 or equivalent and fourth-year standing or permission of Program Director.

**COM 430**  
**Units:** 1.5  
**Hours:** 3-0  
**Marketing Strategy**  
Analysis of marketing problems and opportunities and the determination and implementation of marketing plans. Core concepts will be reinforced by such methods as case studies, field projects, and/or a computer simulation where students manage the marketing function of a business in a competitive environment.  
**Prerequisites:** 250 or 351 and fourth-year standing or permission of Program Director.

**COM 440**  
**Units:** 1.5  
**Hours:** 3-0  
**Business and Government Relations**  
Management of the interface between business and government is examined through an analysis of decision-making processes of government and business. The impact of government measures on business will be discussed and various resolutions and current developments will be stressed.  
**Note:** Credit will be granted for only one of 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 Program Director.

**COM 446**  
**Units:** 1.5  
**Hours:** 3-0  
**Investments**  
Covers the fundamental principles and issues that are crucial to understanding the securities traded in international financial markets. The major topics include market structure, information efficiency, asset pricing models, valuation and trading of stocks, bonds, options and futures.  
**Note:** Credit will only be given for one of 446, 450 taught under the same topic or ECON 436.  
**Prerequisites:** 240 or 371 and fourth-year standing or permission of BCom Program Director.

**COM 450**  
**Units:** 1.5  
**Hours:** 3-0  
**Selected Topics in Management**  
The course content will reflect the interests of the faculty members and current issues in business and industry. Topics may include non-traditional forms of work organizations, leadership, organizational development, and development of managerial skills.  
**Note:** May be taken more than once to a maximum of 6 units with the permission of the Faculty of Business.  
**Prerequisites:** Fourth-year standing and permission of the Program Director.

**COM 455**  
**Units:** 1.5  
**Hours:** 3-0  
**Conflict and Negotiations in Organizations**  
The dynamics of interpersonal and intergroup negotiations in business. Exercises, videos, lectures, and discussions will be used to address a broad spectrum of conflict situations with an emphasis on negotiation as a conflict management approach. Focus on major concepts and theories of psychology of negotiation as well as developing negotiating skills. Issues of power, personality, strategy, ethics and culture with regard to negotiation will also be addressed.  
**Prerequisites:** 220 and 300; or 321 and 322 and fourth-year standing.

**COM 460**  
**Units:** 1.5  
**Hours:** 3-0  
**Managing in Diverse Environments**  
Conducted overseas as part of INTEP. An examination in an overseas setting of the development and trends in various business practices.  
**Prerequisites:** Participation in International Exchange Program.  
**Grading:** INP, N, F, letter grade.

**COM 470**  
**Units:** 1.5  
**Hours:** 3-0  
**Business Research**  
Business research project for students participating in INTEP. While overseas on exchange, students will conduct a research project on a specific business and management topic related to the country they are visiting. Projects must be planned and approved by the instructor prior to departure. Upon return, a written report is required.  
**Prerequisites:** Participation in International Exchange Program.  
**Grading:** INP, N, F, letter grade.

**COM 480**  
**Units:** 1.5  
**Hours:** 3-0  
**International Study**  
Conducted overseas as part of INTEP. An overseas immersion in cultural orientation, cultural sensitivity, on-site company visits with intensive foreign language training.  
**Note:** May be taken more than once to a maximum of 4.5 units with the permission of the BCom Program Director.  
**Prerequisites:** 220 or 321 and fourth-year standing or permission of Program Director.

**COM 490**  
**Units:** 1.5  
**Hours:** 3-0  
**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 499**  
**Units:** 1.5  
**Hours:** 3-0  
**Marketing Communications**  
Analysis of approaches to advertising, personal selling and sales management. Based on relevant concepts of communication theory and current business practice. The course will alternate periodically in its emphasis on advertising and personal selling and sales management.  
**Prerequisites:** 250 or 351 and fourth-year standing or permission of the Program Director.

**CS 001**  
**Units:** 0  
**Introduction to the Place: the Geography and History of Canada**  
This non-credit course must be taken by all students in the Program prior to 100A and 100B.  
**Grading:** COMINC.

**CS 101**  
**Units:** 1.5  
**Hours:** 3-0  
**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**  
**Units:** 1.5  
**Hours:** 3-0  
**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**  
**Units:** 1.5  
**Hours:** 3-0  
**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), ELEC (Electrical Engineering), EENG (Engineering), MECN (Mechanical Engineering) and SENG (Software Engineering).
CSC 100  
Units: 1.5  
Hours: 3-1  
Elementary Computing  
An introduction to computing for the nonspecialist. Topics covered include the basic structure of a digital computer system; applications of computers in the home, office and industry; and implications of computers for society. Hands-on experience with a 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 ICT 11 Applied Digital Communications or ICT 11 Computer Programming or equivalent.  
- This course is designed for a general university audience; students intending to major in Computer Science should enroll in 110 rather than 100.  
Prerequisites:  
Mathematics 11.

CSC 105  
Units: 1.5  
Hours: 3-1  
Computers and Information Processing  
An introduction to business computing. Topics covered include the basic structure of digital computer systems, microcomputers, word processing, spreadsheets, database systems, communications, networks and introductory programming. In the laboratory, students will receive hands-on experience with microcomputers and software packages for business applications.  
Notes:  
- Not open to students registered in or with credit in CSC 212 or HINF 171, HINF 172. Not open for credit to students in a Major or Honours program in Computer Science, Computer Science/Mathematics, Computer Science/Statistics or Physics/Computer Science.  
- This course is intended primarily for students in the Business School or Economics. Students who have completed or are currently registered in ECON 103 and ECON 104 will be given priority. Other students will be admitted on an availability basis.  
Prerequisites: Mathematics 12 or MATH 120.

CSC 110  
Units: 1.5  
Hours: 3-2  
Fundamentals of Programming: I  
Introduction to designing, implementing, and understanding computer programs using an object-oriented programming language. Topics include an introduction to computing and problem solving, selection and iteration, arrays and collections, objects and classes, top-down design and incremental development.  
Note:  
Credit will be granted for only one of 110 and 111.  
Prerequisites: Mathematics 12 or MATH 120.

CSC 111  
Units: 1.5  
Hours: 3-2  
Fundamentals of Programming with Engineering Applications  
Fundamentals of computer programming with real-world engineering examples using an imperative programming language. Topics include variables, data types, statements, control structures, functions, parameter passing, parameters, expression, 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 or MATH 120.

CSC 115  
Units: 1.5  
Hours: 3-2  
Fundamentals of Programming: II  
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  
Units: 1.5  
Hours: 3-1  
Fundamentals of Programming: II For Engineers  
Techniques, methods, and tools for systematic development and maintenance of software systems and documentation; basic algorithms and data structures; and fundamental concepts of object-oriented programming. Topics include control and data abstraction, modularization, abstract data types, layers of abstraction, information hiding, separation of concerns, type checking, program design, separate compilation, software libraries, techniques for the development of high-quality software components, program understanding.  
Note:  
Credit will be granted for only one of 115 and 160.  
Prerequisites: 110 and admission to a BEng or BSENG program.

CSC 167  
Units: 1.5  
Hours: 3-1  
Game Strategy, Interaction and Design  
This multi-disciplinary course explores computer games and their applications through design exercises and game playing. Topics include: game console architectures, entertainment media, history of academic and application-based simulations, role of artificial intelligence research, history of computer graphics, history of sound technologies, evolution of computer game design, networked games, virtual reality, and history of video and computer game industries.  
Prerequisites:  
Mathematics 11.

CSC 212  
Units: 1.5  
Hours: 3-1  
Formerly: 112  
The Physics of Computer Science  
A survey of aspects of the application of Computer Science. Topics: hardware and software design including logic design, basic computer organization and system software; programming paradigms; external storage, sequential file processing and elementary relational databases; networks and electronic information services; artificial intelligence; ethical and societal considerations.  
Note:  
Credit will be granted for only one of 212, 112.  
Prerequisites:  
110.

CSC 225  
Units: 1.5  
Hours: 3-1  
Algorithms and Data Structures: I  
Prerequisites:  
115 or 160, and MATH 122 or 224 or CENG 245.

CSC 230  
Units: 1.5  
Hours: 3-1  
Formerly: CENG 255  
Introduction to Computer Architecture  
The architecture of computer systems including concepts such as CPU, memory, buses, I/O, cache, instruction sets, interrupt processing, pipelining, performance. Families of processors, CISC, RISC. Memory organization and management (including virtual memory, protection, segmentation and paging). Computer arithmetic. The use of assemblers, linkers and loaders. Assembly language programming and its interface with a high-level language (C).  
Note:  
Credit will be granted for only one of 230 and CENG 255.  
Prerequisites: 115 or 160.

CSC 242  
Units: 1.5  
Hours: 3-1  
Also: PHYS 242  
Computers in Science  
A combined lecture and laboratory course designed to introduce numerical methods and data analysis techniques of use in the physical sciences. These include basic statistical methods, Monte Carlo simulation, error analysis, parameter estimation, hypothesis testing and data visualization. Additional topics may include numerical methods for solving integrals and differential equations.  
Note:  
Credit will be granted for only one of CSC 242, PHYS 242. May not be counted for credit towards a Computer Science degree.  
Prerequisites: 100, and PHYS 120 or 112.  
Pre-or corequisites:  
MATH 200.

CSC 299  
Units: 1.5  
Hours: 0-6  
Undergraduate Directed Project  
Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of Computer Science.  
Note:  
Students must consult the department before registering.  
Prerequisites:  
Permission of the instructor and grade of B+ or higher in two of 115, 225, 230, SENG 265.

CSC 305  
Units: 1.5  
Hours: 3-1  
Formerly: 405  
Introduction to Computer Graphics  
Introduction to computer graphics. Principles of raster image generation. Example of a graphics API, Graphix 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, colour.  
Note:  
Credit will be granted for only one of 305, 405.  
Prerequisites:  
225, MATH 100 and either 133 or 233A.

CSC 320  
Units: 1.5  
Hours: 3-0  
Foundations of Computer Science  
A survey of formal models and results that form the theoretical foundations of computer science; typical topics include finite automata, Turing machines, undecidable problems, context free languages and computational complexity.  
Prerequisites:  
225, and either MATH 222 or registration in a Combined Physics/CSC program.

CSC 322  
Units: 1.5  
Hours: 3-0  
Logic and Programming  
Practical applications of logic in computer science and its relevance in such areas as software engineering, artificial intelligence and circuit design theory. Topics discussed will include the following: propositional expressions and circuits, reading and writing first order logic, predicate logic as a relational query language, knowledge representation, PROLOG, and other related topics.  
Prerequisites:  
115 or 160, and MATH 122, 224, CENG 245, PHIL 203, or 304A.

2008-09 UVIC CALENDAR  
COURSE LISTINGS  
255
CSC 326  Units: 1.5  Hours: 3-0
Algorithms and Data Structures: II
Prerequisites: 225, and MATH 222 or 324.

CSC 330  Units: 1.5  Hours: 3-0
Programming Languages
The fundamental concepts of imperative and applicative programming languages. Topics include the description of data types, variable assignment and sharing; sequencing; iteration and recursion; parameter passing mechanisms; and type checking. Students will develop interpreters which implement some of the language features listed above.
Prerequisites: 212, 225, 230, and 265 or ELEC 265.

CSC 340  Units: 1.5  Hours: 3-0
Numerical Methods
The study of computational methods for solving problems in linear algebra, nonlinear equations, approximation, and ordinary differential equations. The student will write programs in a suitable high-level language to solve problems in some of the areas listed above, but the course will also teach the student how to use mathematical subroutine packages currently available in computer libraries.
Note: Credit will be granted for only one of 340, 349A or equivalent.
Prerequisites: 115 or 160, and MATH 133 or 233A; and MATH 201 or 202 or ELEC 255.

CSC 349A  Units: 1.5  Hours: 3-0
Numerical Analysis: I
An introduction to selected topics in Numerical Analysis. Typical areas covered: error analysis, roots of equations, systems of linear equations, linear programming, interpolation, numerical integration, and ordinary differential equations.
Notes: - Credit will be granted for only one of 349A, 349B or equivalent.
- MATH 201 may be taken as a corequisite.
Prerequisites: 115 or 160, and MATH 200, 201, and 233A or 133.

CSC 349B  Units: 1.5  Hours: 3-0
Numerical Analysis: II
Prerequisites: 349A, or MATH 200 and a minimum grade of B in CSC 340.

CSC 350  Units: 1.5  Hours: 3-0
Computer Architecture
This course will introduce the basic building blocks of a general purpose computer with emphasis on techniques for speed and performance enhancement. Topics will include: central processor organization, arithmetic algorithms, lookahead and parallelism, memory hierarchy, control unit and microprogramming, input/output devices, case studies of some recent micro, mini, and mainframe computers.
Prerequisites: 225, 230.

CSC 355  Units: 1.5  Hours: 3-2
Formerly: 250
Digital Logic and Computer Organization
Fundamentals of logic design, computer organization and hardware components of computers and embedded systems and the development of a structured design methodology. The use of ASIC and field programmable devices. An introduction to Hardware Description Languages and their implementation, finite state machines, the use of CAD algorithms and tools for system design, and the testing of digital systems. Topics include Boolean algebra, combinational and sequential circuits, memory organization, buses and arithmetic units, basic microprocessor design.
Note: Credit will be granted for only one of 355, 250.
Prerequisites: 230 and MATH 122 or 224.

CSC 360  Units: 1.5  Hours: 3-1
Introduction to Operating Systems
An introduction to the major concepts of operating systems and study of the interrelationships between the operating system and the architecture of computer systems. Topics discussed include operating system structures, concurrent programming techniques, cpu scheduling, deadlocks, memory management, file systems and protection.
Prerequisites: CSC 225 and CSC 230 or CENG 255 and CSC 265 or registration in Computer Engineering degree program.

CSC 361  Units: 1.5  Hours: 3-2
Computer Communication and Networks
An introduction to concepts in computer communications and networks. Topics include layered network architectures, packet switching networks, local area networks, protocol design, and network security.
Note: Credit will be given for only one of CSC 361, 450, CENG 480.
Prerequisites: CSC 225, 230 and SENG 265.

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-Relationship Diagrams; hierarchical, network and relational models of databases; query languages; physical representation of data in secondary storage; relational algebra and calculus as applied to the design of databases; security and integrity in the context of concurrent use; and basic ethical issues associated with database design and use.
Note: Credit will be granted for only one of 370, 470, HINF 200, 300.
Prerequisites: 225 and 265 or SENG 265 or registration in Computer Engineering degree program.

CSC 375  Units: 1.5  Hours: 3-0
Introduction to Systems Analysis
The methods and methodologies used in analyzing and designing various types of systems. Topics will include the following: project definition; CASE tools; data gathering; structured analysis and design; 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.
Note: HINF 140 may be taken as a corequisite.
Prerequisites: 212, and either 265 or SENG 265; or HINF 130 or 172, and either 140 or 240.

CSC 390  Units: 6.0-7.5
CSC Exchange Term
Where the department has entered into an exchange agreement with another Department in Canada or elsewhere, students may register in this course for up to 7.5 units per term towards their degree at the University of Victoria. The terms and conditions of a student’s 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.
Note: Permission of the Chair is required. This course can be taken twice.
Grading: COM or F.

CSC 421  Units: 1.5  Hours: 3-0
Introduction to Artificial Intelligence
An introduction to the basic concepts and techniques of Artificial Intelligence. The main successes and challenges throughout history will be covered. Topics include heuristics, searching, rule based programming (in Lisp and/or Prolog), knowledge representation in standard and nonstandard logics, neural networks and feature spaces. Applications to game playing, natural language processing, and recognition/classification.
Note: Credit will be granted for only one of 421 and CENG 420 unless permission is granted by the Chair or Director responsible for the student’s degree program.
Prerequisites: 225 and fourth-year standing.

CSC 425  Units: 1.5  Hours: 3-0
Formerly: 420
Analysis of Algorithms
General techniques for designing and analyzing algorithms; an in-depth examination of several problems and algorithms with respect to their time and space requirements; advanced data structures; sorting and searching; graph algorithms; backtracking; NP-complete problems; approximation algorithms.
Note: Credit will be granted for only one of 425, 420.
Prerequisites: 320 and 326.

CSC 426  Units: 1.5  Hours: 3-0
Computational Geometry
Algorithms and data structures that are used to solve geometrical problems. Topics include geometric searching, convex polygons and hulls, Voronoi diagrams, plane sweep algorithms, proximity, and intersections. Application areas which are discussed include: computer graphics, VLSI design, and graph theory.
Prerequisites: 225 and fourth-year standing.

CSC 428  Units: 1.5  Hours: 3-0
Computational Biology Algorithms
The design, analysis and implementation of algorithms used in Computational Biology. Typical topics include algorithms for sequence alignment, database searching, gene finding, phylogeny and structure analysis.
Prerequisites: 225 and fourth-year standing.

CSC 429  Units: 1.5  Hours: 3.0
Cryptography
Fundamentals of modern cryptography. Topics include: review of classical and information-theoretic cryptography; block ciphers, DES, cryptanalysis of DES, modes of operation, AES; cryptographic hash functions and message authentication codes; public key cryptography, RSA, ElGamal and other public key systems, signature schemes; introduction to security protocols.
Prerequisites: 320.

CSC 435  Units: 1.5  Hours: 3-1
Computer Construction
Compilation, including: lexical analysis, syntax analysis, semantic analysis, code optimization, and simple code generation. Students will implement a compiler for a simple language.
Prerequisites: 225, 320 and 330.
CSC 445  Units: 1.5  Hours: 3-0
Formerly: 448A
Operations Research: Linear Programming
An introduction to linear programming and its applications. Topics include: the simplex method, the revised simplex method, computer implementations, duality. Optional topics include: parametric and sensitivity analysis, primal-dual algorithm, network simplex method, the network flow problem, and game theory. Typical applications include: fitting curves to data, the transportation problem, inventory problems and blending problems.
Note: Credit will be granted for only one of 445, 448A.
Prerequisites: 349A, or fourth-year standing and a minimum grade of B in 340.

CSC 446  Units: 1.5  Hours: 3-0
Formerly: 448B
Operations Research: Simulation
An introduction to discrete event simulation. Topics include: elementary queueing theory, basic techniques of discrete event simulation, generating random numbers, sampling from non-uniform distributions, simulation programming using general purpose languages and also special purpose simulation languages.
Note: Credit will be granted for only one of 446, 448B.
Prerequisites: 115 or 160, STAT 252 or 254 or 260, and any 300 level Mathematics or Computer Science course.

CSC 449  Units: 1.5  Hours: 3-0
Numerical Linear Algebra
Gaussian elimination and its variants; sparse positive definite linear systems; sensitivity of linear systems: norms, condition, stability, scaling, iterative refinement; orthogonal matrices and least squares; eigenvalues and eigenvectors; the QR algorithm; the singular value decomposition.
Prerequisites: 349B.

CSC 454  Units: 1.5  Hours: 3-0
Fault Tolerant Computing
An introduction to selected issues in fault tolerant computing. Topics include: definitions of reliability, availability, safety, maintainability, testability and dependability; system protection through both hardware and information redundancy; quantitative methods for the evaluation of reliability; the design and test of integrated circuit software fault tolerance and software testing. The course includes a number of case studies of practical fault tolerant systems.
Prerequisites: 250 or 355, and 360.

CSC 460  Units: 1.5  Hours: 3-3
Design and Analysis of Real-time Systems
Fundamental issues in design of real-time operating systems and application software. Typical topics include: hard real-time scheduling, interrupt driven systems, process communication and synchronization, language requirements for real-time systems, decomposition of real-time requirements into process models, and case studies. A project involving design, implementation and testing of a real-time executive and real-time application software will also be included.
Prerequisites: 355, 360, and either SENG 321 or 365.

CSC 461  Units: 1.5  Hours: 3-3
Multimedia Systems
Introduction to multimedia systems and applications. Topics include multimedia system design issues, representation, processing and retrieval of temporal and non-temporal media types, data compression techniques, multimedia system architecture, operating systems, networking, quality of service and database system issues, object-oriented multimedia programming, user interface, virtual worlds. Completion of a minor lab project is required.
Prerequisites: 360 and either 361, 450, or CENG 460.

CSC 462  Units: 1.5  Hours: 3-3
Distributed Computing
Prerequisites: 360 and either 361, 450, or CENG 460.

CSC 463  Units: 1.5  Hours: 3-0
Wireless and Mobile Networks
An introduction to selected issues in wireless and mobile networks. Topics include: radio basics, mobility models, location management, handoff, QoS (Quality of Service), MAC (Medium Access Control), routing, and transport protocols over different types of wireless and mobile networks.
Prerequisites: CSC 361 or 450 or CENG 460.

CSC 464  Units: 1.5  Hours: 3-0
Concurrency
Introduction to the foundations of concurrency theory and the issues of specification and verification of concurrent systems. Topics will include models of concurrency such as Petri nets, labelled transition systems, and traces; specification of concurrent systems in process calculi and 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 466  Units: 1.5  Hours: 3-0
Overlay and Peer-to-Peer Networking
Focuses on Layer 3 and above and the control plane of the Internet. Topics will include: overlay network architectures, peer-to-peer application models, end-to-end control mechanisms, inter and intra-domain routing protocols, service provisioning, network measurement, and related best current practices on the Internet.
Prerequisites: CSC 361 or CSC 450 or CENG 460.

CSC 467  Units: 1.5  Hours: 3-0
Switching, Network Traffic and Quality of Service
Prerequisites: CSC 361 or 450 or CENG 460.

CSC 482  Units: 1.5  Hours: 3-0
Topics in Algorithms
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.
Note: Offered as 482A, 482B, 482C, 482D. This course may be taken more than once in different topics with the permission of the Chair of the department.

CSC 483  Units: 1.5  Hours: 3-0
Topics in Programming Methodology
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.
Note: Offered as 483A, 483B, 483C, 483D. This course may be taken more than once in different topics with the permission of the Chair of the department.

CSC 484  Units: 1.5  Hours: 3-0
Topics in Scientific Computing
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.
Note: Offered as 484A, 484B, 484C, 484D. This course may be taken more than once in different topics with the permission of the Chair of the department.

CSC 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 497  Units: 1.5  Hours: 0-0-6
Interdisciplinary Project
Research under the direction of a faculty member. The student is required to pursue an interdisciplinary project, prepare a written report and to present a seminar describing the work.
Prerequisites: Fourth-year standing in a Computer Science Combined Program.

CSC 498  Units: 1.5  Hours: 0-6
Bioinformatics Project
Research under the direction of a faculty member. The student is required to pursue a project, prepare a written report and to present a seminar describing the work.
Prerequisites: Fourth-year standing in the Bioinformatics Option.

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.

**CYC 155E**  
Units: 1.5  
Hours: 3-0  
**Critical Process and World View**  
This course will critically examine Aboriginal literature, including oral story-telling methods and techniques, so that students may apply that critical process to their own writing.

**CYC 155E**  
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.

**CYC 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.

**CYC 212E**  
Units: 1.5  
**Structure in Cinema and Television Drama**  
A lecture course surveying the structural characteristics of screen drama, making use of published Aboriginal film and television scripts as well as indigenous film from other countries.

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**COURSE LISTINGS**

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**CYC 130**  
Units: 1.5  
**Professional Communications in Child and Youth Care**  
This online course develops communication skills, with a focus on the Aboriginal learner. Emphasis is on written expressions, through personally meaningful, career relevant assignments and cooperative learning embedded in the professional foundation of Child and Youth Care.

**CYC 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 own locale and within their own cultural frame of reference. They will identify, describe and explore the significance of various forms of practice within the field. Students will identify mentors in their locale, network and do a survey of relevant services and sites in their community.

**CYC 132**  
Units: 1.5  
**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.

**CYC 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 only one of 152 or 252.

**CYC 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 development 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.

**CYC 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 development 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, 366C.

**CYC 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.  
*Note:* Credit will be granted for one of 171, 373.

**CYC 205**  
Units: 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: 1.5  
**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 obtained through coursework. Students are required to complete 150 hours.  
*Note:* Formerly 3.0 units.  
*Prerequisites:* Year 1 required CYC courses or equivalent.

**CYC 230**  
Units: 1.5  
**Introduction to CYC Practice in Indigenous Contexts**  
This introductory course explores Indigenous perspectives and contexts, both historical and contemporary, in relation to practice with Indigenous children, youth, families and communities. The course readings, activities, and assignments provide an historical overview of colonization and describe various strategies for supporting decolonization and culturally relevant practice.  
*Prerequisites:* 2nd year standing or permission of the instructor

**CYC 240**  
Units: 1.5  
**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. The course deals with ethical decisions in practice and the ethical development of ethical decision-making 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
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 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 relevant 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 Hours: 3-0
Directed Studies in Child and Youth Care
This course allows for research projects, additional coursework or directed readings in a specified area.

CYC 301 Units: 3.0 Hours: 3-0
Processes of Change
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 only one of 301 or 205

CYC 310 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.
Prerequisites: CYC 166A and CYC 166B or equivalent.
Corequisites: CYC 250, 338, 370

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 Practicum Coordinator.

CYC 338 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 provides 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 356 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.

Note: This course is also available for professional development.
Prerequisites: Year 1 required CYC courses or equivalent.

CYC 363 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, communities. A case study approach is used to critically examine the impact of this document across a range of program settings for children and families.
Note: This course is also available for professional development.
Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 370 Units: 1.5 Hours: 3-0
Formerly: CYC 474
Applying Assessment and Case Planning in Child and Youth Care Practice
This course focuses on the skills necessary to working professionally with individuals and groups and families: intake interviewing needs and risk assessment, intervention planning and implementation, case management and reporting. Knowledge and skill in issues of abuse and neglect will be developed. Students will be required to apply change theory in a laboratory learning setting and produce professional documentation of their work. Feedback on skill application is provided in class and through video recordings.
Note: Credit will be granted for one of 370 or 474.
Prerequisites: CYC 265 or equivalent.

CYC 371 Units: 1.5 Hours: 3-0
Building Caring Partnerships
This course is designed to provide students with the knowledge and skills necessary to work with families, particularly families with children who have been identified as “at risk.” Building on their awareness of cultural diversity, students will utilize and integrate their knowledge of self, communication skills, ecological perspective, and development theory in order to strengthen their abilities to establish and maintain partnerships with families.
Note: This course is also available for professional development.
Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 373 Units: 1.5 Hours: 3-0
Working with Families and their Communities
This course examines the interactions between families with infants and toddlers, the practitioners who work with them, and the community in which they all live. The course is fundamentally concerned with the healthy development of infants and toddlers, espe-
Directed Studies in Child and Youth Care

Advanced Supervised Practicum

Leadership, Advocacy and Policy for the Early Childhood Professionals: Historical and Contemporary Perspectives

Prerequisites:
- Second-year standing, college diploma or permission of the instructor.

Note: This course is also available for professional development.

Units: 1.5
Hours: 3-0

CYC 374
Promoting Positive Outcomes in Children’s Environments

This course, designed for all practitioners who work with young children, explores the relationships between risks, opportunities, and change in their 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.

Prerequisites:
- Second-year standing, college diploma or permission of the instructor.

Units: 1.5
Hours: 3-0

CYC 380
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.

Units: 1.5
Hours: 3-0

CYC 381
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.

Units: 1.5
Hours: 3-0

CYC 390
Directed Studies in Child and Youth Care

Research projects, directed readings, or additional coursework in a specified area.

Note: May be taken more than once for credit in different topics.

Units: 0.5, 1.0, 1.5 or 3.0

CYC 410
Advanced Supervised Practicum

This supervised practicum focuses on the student’s chosen professional area of interest and provides an opportunity to apply case planning, intervention, and evaluation skills at an advanced level. Professional consultation, clinical functioning, and the integration of theory and practice are emphasized. Students are required to complete 286 hours.

Note: Restricted to Child and Youth Care students in their fourth year of study.

Prerequisites:
- All required 300 level courses.
- Corequisites: All required 400 level courses.

Units: 4.5
Hours: 1-10

This is a condensed 4 month practicum within which students are required to complete 286 hours. Some practicums are block practicums only, such as Child Life and Child Protection. Check with a practicum coordinator for more information.

Note: Restricted to Child and Youth Care students in their fourth year of study.

Prerequisites:
- All required 300 and 400 level courses with the exception of CYC 475.

Corequisites: CYC 475.

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/evaluation designs and methodologies for improving child and youth care practice.

Prerequisites:
- Third-year standing.

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 qualitative, 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:
- Third-year standing.

Units: 1.5
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, may be taken more than once for credit.

Units: 0.5, 1.0, 1.5 or 3.0

CYC 460
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.

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 CYC 462 or HSD 462.

Prerequisites:
- Second-year standing.

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.

Units: 1.5
Hours: 3-0

Applied Theories of Child and Youth Care Practice with Groups

This course presents, in an experiential format, theoretical approaches and techniques related to the planning and facilitation of groups for children and youth. Students will learn how to plan for, and to facilitate groups in a participative, skill building laboratory format.

Note: Credit will be granted for one of 465 or 265.

Prerequisites: CYC 252 or ED-D 316, or equivalent.

Units: 1.5
Hours: 3-0

Theory of Child and Youth Care Practice with Families

This course presents conceptual frameworks and models for understanding family functioning and parenting. The students identify child and youth care service settings in which family work occurs. The course focuses on family assessment methodologies and interventions, which are appropriate to Child and Youth Care workers in these settings.

Note: Credit will be granted for one of 466 or 266.

Prerequisites: Students admitted to the degree program from Sept. 2000 onwards must complete a Sociology of the Family course.

Units: 1.5
Hours: 3-0

Interdisciplinary Practice with Children, Youth and Families

This course will provide opportunities for applying the skills, knowledge and beliefs essential for effective interdisciplinary practice with children and families from a CYC perspective. The course will explore the rationale for, and develop a critical analysis of, interdisciplinary practice. The contributions of different disciplines to addressing issues in child and family work will be featured.

Note: Credit will be granted for one of CYC 467, HSD 465, SOCW 465.

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. 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.

Units: 1.5
Hours: 3-0

Child and Youth Care Practice with Individuals

This course focuses on the development of advanced skills in working with individual children and youth. Students are required to apply behavioural change theories in a laboratory environment and produce...
members of the profession and visit local programs and agencies serving children, youth, and their families. The structure of services and supports to children, youth and their families is explored within the context of a specific community. Elders and helping professionals address the service needs and current responses within the community. Students will also learn and practice methods of obtaining information about children’s development through direct observation in formal and informal settings and will be supervised in making informed interpretations.

**Prerequisites:** CYC 370 or CYC 374.

**CYC 475**  
**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 granted for one of CYC 475 or CYC 476.  
**Prerequisites:** 465 and 466.

**CYC 476**  
**Units:** 1.5  
**Hours:** 3-0  
**Child and Youth Care Practice with Families**  
This course focuses on the development of skills related to child and youth care practice with families. Students are required to apply theory through interventions for children, parents, and their families based on assessed needs and identified goals. Students work in a laboratory environment and receive feedback on their approaches and style in working with families.  
**Prerequisites:** 465 and 466.

**CYC 480**  
**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, 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.

**CYCB Indigenous Community-based Child and Youth Care**  
**School of Child and Youth Care**  
**Faculty of Human and Social Development**

**CYCB 110**  
**Units:** 1.5  
**Hours:** 1.5-11  
**Practicum I: Community Care Settings for Children and Youth**  
This course orient students to the field of child and youth care. Students have opportunities to meet local students of Curriculum Planning (CYCB 121). It provides students with expanded experiences in designing and implementing programs for preschool children. Specific curriculum content areas of art, music, math, science and social studies are further developed in the context of refining program planning developed in the two previous courses. Throughout the course Elders and students generate insights into planning for children from their own community and culture.  
**Prerequisites:** 120 and 121.

**CYCB 123**  
**Units:** 1.5  
**Hours:** 4-0  
**The Caring and Learning Environment (ECCE)**  
This course, taken either concurrently or after Curriculum Design and Implementation (CYCB 122), studies the total environment of a child care facility and the integration of these environmental elements. Students investigate theories of building environments that nurture and educate, design and plan such environments, and examine ways of administering and managing these environments. The course acknowledges and builds on the knowledge of environmental planning and content areas that students have previously studied, and it includes activities intended to elicit from them the perspectives of their own experience. Throughout the course Elders and students generate insights into learning environments from the perspective of First Nations cultures.  
**Pre- or corequisites:** 122.

**CYCB 140**  
**Units:** 1.5  
**Hours:** 4-0  
**Introduction to Human Behaviour**  
This course provides students with an overview of the principles that guide the scientific study of human behaviour. The child and youth care profession rests on a large and constantly expanding base of research. This course introduces students to some of that research. Students learn the terminology and theories that serve as a foundation for future coursework in child and youth care. Throughout the course Elders and students generate insights into human behaviour from the perspective of their own culture.

**CYCB 141**  
**Units:** 1.5  
**Hours:** 4-0  
**Child Development I**  
This course introduces students to normative child development from conception to toddlerhood. It includes an overview of the major themes and theories in child development, addressing research in the areas of physical, intellectual, 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 the perspectives of the First Nations community by including Elders’ teachings and experiences of the students.

**CYCB 142**  
**Units:** 1.5  
**Hours:** 4-0  
**Child Development II**  
This course continues the study of child development from early childhood to late adolescence addressing perspectives on physical, intellectual, psychosocial, and moral development of children and youth. The course acquaints students with the knowledge of child development that students already possess, and it includes activities intended to elicit from them the perspectives of their own experience. Throughout the course Elders and students generate insights into child development from the perspective of their own community and culture.  
**Prerequisites:** 141.

**CYCB 150**  
**Units:** 1.5  
**Hours:** 4-0  
**Interpersonal Communications**  
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 communication, negotiation, and counseling.
of self-concept, personal learning styles, perception, verbal and nonverbal communication, active listening, understanding of relationships, and the expression of feelings. Throughout the course, Elders and students give insights into interpersonal communications from the perspective of their own culture. Students also produce a portfolio that represents their reflection on and integration of the course material.

**CYCB 151 Units: 1.5 Hours: 4-0 Communicating with Children and Guiding Children’s Behaviour**

This course introduces students to methods of communicating with children that help foster positive child development. It provides an introduction to three theoretical approaches to guiding children. Students identify and practice effective methods of communicating with children within the context of various theoretical approaches. Throughout the course the perspectives of the First Nations Elders regarding communicating with children and guiding children’s behaviour are elicited from Elders and students.

**CYCB 210 Units: 1.5-6.0 Hours: 4-0 Practicum with Developmental Specialization**

Students will develop programs and routines that are specialized for supporting healthy development with specific age groups, such as infants and toddlers, school-age children, and adolescents. Students will study practical aspects of care such as safety and appropriate guidance. Students will learn how to build program curriculum based on developmental needs and use evaluation to amend and enhance programming. The development of resources and community contacts will also be an essential part of the practicum.

**CYCB 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 development 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 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 principle 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 the context of rural practice. Students will explore the interpersonal dimensions of child and youth care practice in relation to supporting children, youth and families. Throughout the course Elders and students will generate insights into professional helping skills from the perspectives of their First Nations culture(s).

**CYCB 251 Units: 1.5 Hours: 4-0 Communication Skills For Professional Helpers**

This course acknowledges and builds on prior knowledge of communication skills and includes activities that elicit perspectives emerging from their own experience. This course is designed to provide students with opportunities to learn and practice helping skills used by professional child and youth care workers in situations requiring interventions. Throughout the course the perspectives of the aboriginal community regarding communication skills for professional helpers will be elicited from Elders and students.

**CYC 460 Units: 0.5, 1.0, 1.5 or 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.

**CYCI**

**Child and Youth Care International School of Child and Youth Care**

**Faculty of Human and Social Development**

**CYCI 484 Units: 1.5 Hours: 3.0 Historical and Contemporary Theoretical Perspectives in Early Childhood Care and Development**

Comprising with activities focusing on data collection and critical analysis, the student will: 1) gather data regarding a key Early Childhood Development issue in the country; 2) critically analyze those data in terms of the social, cultural, historical and philosophical forces that have impacted and shaped the issue, 3) develop an Action Plan designed to effectively address the issue, and 4) evaluate the effectiveness of the implemented Action Plan.

**CYCI 475 Units: 1.5 Hours: 3.0 Child and Adolescent Development in Context**

The aim of this course is to support learners in furthering their understandings of the holistic development of children in different contexts.

The focus is on inputs to child development including biology, health, nutrition, gender, socialization, formal and informal schooling, physical environment, culture, religion, politics, and economics. A biocentric model will be used as a template for understanding determinants of development in various contexts.

**CYCI 468 Units: 1.5 Hours: 3.0 Professional Leadership in Early Childhood Care and Development**

This course introduces the topic of effective leadership in organizations and examines leadership in the context of managerial work. Consistent with a holistic
ECON 100 Units: 1.5 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.
Prerequisites: Math 12 recommended.

ECON 103 Units: 1.5 Hours: 3-1
Formerly: 201
Principles of Microeconomics
The principles of microeconomic analysis with special reference to fluctuations in income and prices, monetary and fiscal policies for economic stabilization.
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.
Prerequisites: Mathematics 12 or MATH 120 is recommended.

ECON 111 Units: 1.5 Hours: 3-0
The Economy and the Environment
Investigates the linkages between economic activity and the environment. Studies the relationships between economic growth, trade, urbanization and the global environment, with a particular focus on urban air pollution, water pollution, hazardous waste, solid waste management, and climate change. Environmental policy design, in both developed and developing countries, is the central unifying theme of the course. The course is non-technical in nature and does not require any background in economics or environmental studies.

Note: Credit will not be granted for 111 if 381 or ES 312 have already been completed. ECON 111 and 381 or ES 312 cannot be taken concurrently.

ECON 112 Units: 1.5 Hours: 3-0
Strategy, Conflict and 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.
Prerequisites: Math 12 recommended.

ECON 113 Units: 1.5 Hours: 3-0
Introduction to Economics for Policy Analysis
A non-technical introduction to key concepts in economics and their application to the design of public policy. Begins by examining the role of markets in the allocation of resources in society, and circumstances under which policy intervention may be justified. Examines a variety of contemporary policy issues from an economic perspective. Issues may include health care, education, environmental policy, industry regulation, urban development, welfare reform and child care provision. Requires no prior knowledge of economics.

ECON 203 Units: 1.5 Hours: 3-1
Intermediate Microeconomics I
An examination of the theories of consumer demand; production and cost; the firm and market under conditions of perfect competition, monopoly, monopolistic competition and oligopoly; factor markets and distribution; and welfare economics.
Note: Credit will be granted for only one of 203, 300, 302, 304A. ECON 203 and 205 cannot be taken concurrently.
Prerequisites: 103 or ENGR 280; MATH 102 or 100.

ECON 204 Units: 1.5 Hours: 3-0
Intermediate Macroeconomics
Theories of aggregate economic behaviour; the determination of national income and employment, consumption, investment, inflation, growth and fluctuations, economic policy.
Note: Credit will be granted for only one of 204, 301, 303, 304B.
Prerequisites: 103 and 104; MATH 102 or 100.

ECON 205 Units: 1.5 Hours: 3-0
Managerial Economics
Basic microeconomic theory and optimization techniques and their application to managerial decision making. Topics include demand, production, and cost analysis; market structure and pricing practices; and regulation. Course also examines estimation, forecasting, international implications, and case studies.
Note: Credit will not be granted for 205 if 203 or 302 has already been completed. ECON 203 and 205 cannot be taken concurrently.
Prerequisites: 103 or equivalent.

ECON 225 Units: 1.5 Hours: 3-0
Writing for Economists
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 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.

Note: Credit will be granted for only one of 245, 240. See Credit Limit, page 32.
Pre- or corequisites: Prerequisite: 100, or corequisite: 103 or 204 or 202. Prerequisite: MATH 100 or 102; CSC 105 or 110; or permission of the department.

ECON 246 Units: 1.5 Hours: 3-1
Formerly: 340
Statistical Inference
Estimation, confidence intervals and hypotheses tests. Simple regression and correlation. Multiple regression; T and F tests.
Note: Credit will be granted for only one of 246, 340, STAT 251, STAT 261, STAT 256 if 256 taken prior to September 2004. See Credit Limit, page 32.
Prerequisites: 245 or STAT 260; MATH 100 or 102; CSC 105 or 110.

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 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 313
**Units:** 1.5  
**Hours:** 3-1  
Intermediate Microeconomics II  
Selected topics may include intertemporal choice, the organization of the firm, imperfect competition in product markets, discrimination in labour markets, basic game theory, "lemons" models, and additional topics in distribution and welfare economics not included in 203 or 202.  
**Note:** Credit will be granted for only one of 313, 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 introduction to issues and policy problems faced by developing countries. Covers key principles, concepts and measurement issues, empirical facts, and analytical perspectives associated with economic development. Topics will include human development, inequality and poverty, population growth, education, health, and agriculture and rural development. Topics may also include urbanization and migration, role of credit markets, globalization, environment, and other current issues in development.  
**Prerequisites:** 103 or 201, 104 or 202, and 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  
Economic History of North America  
This course deals with the economic history of the United States, Canada, and Mexico over the period 1750-1950. Topics to be covered include the settling of the frontier and the development of farming, water and rail bore industrial cities, 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 colonialism dominated the region. Topics include trade, including the slave trade, mercantilism, the impact of European industrialization on economic relations, and the emergence of Japan as an industrial power.  
**Prerequisites:** 100 or 104 or 202, or permission of the department; 226.

### 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 to 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, Walras, and Keynes.  
**Notes:**  - Credit will be granted for only one of 338, 307.  
  - 337 recommended.  
**Prerequisites:** 103 and 104 and 225.

### ECON 339
**Units:** 1.5  
**Hours:** 3.0  
Formerly: 439  
Economics of the Family  
An introduction to the theoretical and empirical literature on the allocation of labour and resources within households, and its relation to labour force outcomes. Topics may include: human capital decisions; gender roles: household production; labour force participation; the economics of marriage and divorce; the valuation of unpaid work in national income accounting; child care; gender and development.  
**Note:** Credit will be granted for only one of 339, 439.  
**Prerequisites:** 103 and 104, or permission of the Department.  
**Pre- or corequisites:** 225.

### 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 350
**Units:** 1.5  
**Hours:** 3-1  
Formerly: 250  
Mathematical Economics I: An Introduction to Static Methods  
An introduction to the application of calculus and linear algebra to selected problems in microeconomic and macroeconomic theory.  
**Note:** Credit will be granted for only one of 350, 250.  
**Prerequisites:** MATH 208 or 140 or 103.  
**Pre- or corequisites:** 203.

### ECON 351
**Units:** 1.5  
**Hours:** 3-0  
Formerly: 251  
Mathematical Economics II: An Introduction to Dynamic Methods  
Difference equations, differential equations, and dynamic optimization with applications to economics.  
**Note:** Credit will be granted for only one of 351, 251.  
**Prerequisites:** 350 or 250.

### ECON 353
**Units:** 1.5  
**Hours:** 3-1  
Computer Aided Modelling in Economics  
An introduction to numerical methods and their application in economics.  
**Prerequisites:** 103 and 104, and 246 or equivalent; MATH 208 or 140 or 103; CSC 105 or 110; ECON 350 or 250 recommended.  
**Pre- or corequisites:** 225.

### ECON 365
**Units:** 1.5  
**Hours:** 3-1  
Econometrics: Part I  
Principles of econometrics with applied examples. Estimation of the regression model; sampling properties of estimators; testing restrictions; restricted least squares. Topics may also include: generalized least squares; the maximum likelihood estimation principle.
ECON 366 Units: 1.5 Hours: 3-0
Econometrics: Part II
Principles of econometrics with applied examples. Dummy variables; multicollinearity; stochastic regressors; instrumental variables estimation; seemingly unrelated regressions. Topics may also include: generalized least squares; maximum likelihood; aspects of specification analysis; dynamic models; simultaneous equation models.

Note: Credit will be granted for only one of 366, 445.
Prerequisites: 103 or 104; 246 or equivalent; MATH 208 or 140 or 103, or MATH 100, 101, and 133 or 233A.
Pre- or corequisites: 225

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
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
Formerly: ES 312
Formerly: 330
Environmental Economics I
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.
Prerequisites: 103 or 201, and 225.

ECON 382 Units: 1.5 Hours: 3-0
Formerly: Part of 430A
Natural Resource Economics I
Introduces students to economic issues and public policies specific to the use and management of natural resources. It explores economic principles for the efficient allocation of renewable and nonrenewable natural resources over time. Topics typically include a review of current natural resource issues affecting Canada, with particular focus on British Columbia, and policies for the management of forests, water, mineral, petroleum and marine resources, and the conservation of biological diversity.

Note: Credit will be granted for only one of 382, 430A.
Prerequisites: 103 and 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 exogenous or endogenous growth, and the theory of implicit contracts), the political economy model (emphasizing government intervention and policy), and the evolutionary approach. These three models are developed and each is used to shed light on economic growth in Japan between 1600 and the present.
Prerequisites: 204 or 301 or 303, and 225.

ECON 426 Units: 1.5 Hours: 3-0
Institutional Economics
A discussion and comparison of the two major traditions of institutional economics: the American Institutionalism of Veblen, Commons and Mitchell and the “New” Institutionalism associated with Austrian and neoclassical approaches. Topics covered will include the evolution and economic functioning of social norms and conventions, common and statute law, and economic organizations.
Prerequisites: 203.
Pre- or corequisites: 225.

ECON 428 Units: 1.5 Hours: 3-0
Economic Development of the Postwar Pacific Rim
This course deals with the economic development of Japan, Korea, Taiwan, Hong Kong, China, Indonesia, Malaysia, Philippines, Guatemala, Honduras, El Salvador, Columbia, Peru, and Chile over the post-1950 period. Topics to be covered include: geopolitics and the political economy of growth; the expansion of global trade and global city networks; international migration and the demography of economic development; the Japan model of growth and the Tigers of Asia; and human development in the Asia Pacific Region.
Prerequisites: 204 or 301 or 303, and 225.

ECON 429 Units: 1.5 Hours: 3-0
Population Economics
This course commences with a discussion of basic demographic methods and then takes up topics in population analysis of interest to economists. Topics to be covered include: Malthusian theory; the economic consequences of population growth; the economics of fertility, morality and migration; aging and intergenerational transfers. Applications to development, labour, public finance, and other fields of economics may be included.
Prerequisites: 203 or 300 or 302.
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; and fixed income securities; options and the Black-Scholes pricing formula; and futures contracts.
Note: Credit will be granted for only one of 435, COM 446.
Prerequisites: 305 and 313, and 246 or equivalent; COM 240.
Pre- or corequisites: 225.

ECON 437 Units: 1.5 Hours: 3-0
Philosophical Problems in Contemporary Economics
Seminar course investigating selected problems with emphasis on the relationship of morality to economics. Topics may include rational choice and human agency, cognition, gender, social institutions, social choice theory, constitutions and constitutional politics, law and democracy, economic development, and economic justice. Prominent contemporary economic critics of neoclassical economics will be read.
Prerequisites: 203 and 204; fourth-year standing recommended.
Pre- or corequisites: 225.

ECON 450 Units: 1.5 Hours: 3-1
Game Theory in Economics
Game theory, including dynamic games. Applications to the study of the strategic interaction between economic agents. Topics include oligopoly models, entry deterrence and predation, R and D rivalry.
Prerequisites: 203 or 300 or 302, 350 or 250.
Pre- or corequisites: 225.

ECON 451 Units: 1.5 Hours: 3-0
General Equilibrium and Welfare Economics
Selected topics in general equilibrium theory and welfare economics.
Prerequisites: 351 or 251, 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 350 or 250.
Pre- or corequisites: 225.

ECON 453 Units: 1.5 Hours: 3-0
Economic Growth and Business Cycles
Models of economic growth and fluctuations in the medium to long run. Classical, neoclassical and endogenous growth theories and tests of these theories. Roles of capital, human capital, resources and technology in determining growth rates and income levels in different countries. Additional topics may include: monetary theories of the business cycle, effects of demography and social security, international flows of capital, labour and knowledge.
Prerequisites: 351 or 251
Pre- or corequisites: 225

ECON 454 Units: 1.5 Hours: 3-0
Theory of Corporate Finance
Corporate finance is the study of how firms attract capital to finance their operations. This course surveys some corporate finance topics that are of particular interest to economists. These topics may include the determinants of capital structure, dividend policy, capital budgeting, the relation between firm finance and product market behaviour, contracting and firm incentives, the role of financial intermediaries, and mergers and takeovers.
Prerequisites: 313 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 366 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 420A
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 485 Units: 1.5 Hours: 3-0
Topics in Economics
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the pre-requisites for the topic to be offered.
Note: Offered as 485A, 485B, 485C, 485D. This course may be taken more than once on different topics with the permission of the Chair of the Department.

ECON 486 Units: 1.5 Hours: 3-0
Topics in Econometrics
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the pre-requisites for the topic to be offered.
Note: Offered as 486A, 486B, 486C, 486D. This course may be taken more than once on different topics with the permission of the Chair of the Department.

ECON 495 Units: 1.5 or 3.0
Directed Studies
Directed reading and/or research for Major and Honours students with first class standing in Economics under the supervision of a faculty member willing to supervise such a course.
Note: May be taken more than once for credit to a maximum of 3 units.
Prerequisites: Permission of the department.
Pre- or corequisites: 225.
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.

ED-D 306 Units: 1.5 Hours: 3-0
Advanced Educational Psychology: Child Development During the Preschool Years
An advanced course with special emphasis on early education; consideration of language, motor skills, and cognitive development, from birth to six years.

ED-D 316 Units: 1.5 Hours: 3-0
Study of Communication in Interpersonal Relationships
The study of verbal and nonverbal behaviors that lead to more effective interpersonal relationships. Includes the examination of self-concept, perceptions, emotions, language, and behavior that influence the climate in interpersonal relationships. Assertive communication and resolving interpersonal conflict will also be studied. This course will be of interest to persons interested in learning about increasing communication competence in family, social relationships, teaching, business, counselling, and mental health.
Note: Students should take 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, checklists, performance tests, essay, and objective tests; organization, use and reporting of assessment data.

ED-D 338 Units: 1.5 Hours: 3-0
Computers in the Classroom
The purpose of this course is to provide a flexible learning environment from which to explore, examine, discuss and develop strategies for the application of computer-based technology to enrich learning.

ED-D 400 Units: 1.5 Hours: 3-0
Learning Difficulties in the Elementary Classroom
An introduction to the nature, scope and recognition of learning difficulties commonly encountered in the elementary classroom.

ED-D 401 Units: 1.5 Hours: 3-0
Introduction to Psychology of Classroom Learning
An introduction to the psychology of learning in the secondary school.
Note: Credit will not be granted for 401 and 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 normal and informal assessment of the exceptional child. Topics include techniques, methods and purposes of assessment, factors important in selecting and administering standardized tests for the purpose of planning educational alternatives, technical information required to interpret tests adequately, and limitations on interpretation.
Note: It is recommended that students take 405 first or concurrently with this course.
Prerequisites: 337 or permission of the instructor.

ED-D 403 Units: 4.5 Hours: 4.5-0
Educating the Developing Learner
An integrated approach to planning for effective learning and to managing ineffective learning patterns in children. The developmental needs of children, their learning characteristics and the cultural and multicultural factors in the modern classroom will be considered.

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.
Prerequisites: 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 co-requisite course 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, parents, and other school staff; 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 preventing and/or effectively intervening in situations involving discipline, conflict, aggression, and bullying. Peacemaking programs and peer conflict management initiatives will be discussed.
Note: Credit will be granted for only one of 408, EDUC 408.
Prerequisites: Completion of Year Four of the Bachelor of Education Elementary program.

2008-09 UVIC CALENDAR
<table>
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<th>Course Code</th>
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| ED-D 410    | 1.0 or 1.5 | 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, reflective and active practitioner within inclusive school communities. Emphasis is on leading for learning, collaboration, and critical inquiry as central components of teaching in a democratic society. Authentic tools for assessing professional growth will be utilized.  
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 411    | 1.5 or 3.0 | 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    | 1.5 | 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    | 3.0 | 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, EDCI 446 / ED-D 442, EDCI 459 / ED-D 484.  
Prerequisites: Professional year (waived for students in the School of Child and Youth Care). |
| ED-D 417    | 1.5 | 3-0 | Skills for Effective Interpersonal Communication  
Basic interpersonal communication skills for active listening, empathic understanding and communication of empathy. Includes analysis of effective interpersonal skills and skill building laboratory experience. The content and skills are transferable to a variety of settings, including counselling, education, human development, management, healthcare, psychology and recreation.  
Note: 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    | 1.5 | 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 419    | 1.5 | 3-0 | Introduction to Indigenous Approaches to Helping and Healing  
Introduction to Indigenous worldviews and perspectives related to helping and healing practices. Awareness of the history and the impact of oppression in Canadian Indigenous contexts. Exploration of the relevance of both Western and Indigenous paradigms in the helping profession. Students will reflect on their own beliefs and learn to enhance the cultural relevance and sensitivity of their own helping approaches.  
Note: Credit will be granted for only one of 419, 487 (if 487 taken on the same topic.) |
| ED-D 420    | 1.0 or 1.5 | 2-0 or 3-0 | Formerly: ED-D 440  
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; and 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    | 1.5 | 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    | 1.5 | 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/ASP, abuse and neglect; medication/treatment; social competences and emotional adjustment; issues related to high/low 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    | 1.5 | 3-0 | 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 sociocultural impacts of racism; be introduced to theories of multicultural counselling; and engage in cross-cultural sensitivity and anti-racism training. |
| ED-D 430    | 1.5 | 3-0 | Formerly: ED-B 430  
The Organization and Administration of Education in British Columbia  
Note: Credit will be granted for only one of 430, ED-B 430.  
Prerequisites: Authorization to register in the Elementary Education program or Secondary Professional Year or permission of the Education Advising Centre. |
| ED-D 435A   | 1.5 | 3-0 | Formerly: ED-D 435  
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 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   | 1.5 | 3-0 | 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    | 1.5 | 3-0 | Formerly: EDUC 440  
Teaching and Learning in Personal Planning and Career Planning  
This course presents the history, rationale and development of the Career and Personal Planning curriculum. Current practices and new approaches to teaching and learning in the CaPP and PP classroom will be examined. Other topics include the teacher as reflective practitioner, addressing sensitive issues in the classroom, freedom of information and privacy, and issues of responsibility. |
| ED-D 444    | 3.0 | 3-0 | Formerly: EDUC 444  
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   | 1.0 | 3-0 | Formerly: EDUC 446  
Career Awareness and Exploration  
The foundations of lifelong career education and awareness, skills development, and the planning process. Approaches to facilitate career exploration with youth, issues of personal responsibility, and current perspectives in the labour market will be presented. |
ED-D 446B Units: 1.5 Hours: 3-0
Career Development and Planning
Practical aspects of providing programs for career and life planning. Developmental issues and applications will be presented. Preparation for employment, work search strategies, work experience, and career technologies will also be covered.

ED-D 480 Units: 1.5 or 3.0 Hours: 3-0
Contemporary Issues in Education - Educational Psychology and Leadership Studies
Current topics and developments in education, with particular consideration of their relevance to the schools of British Columbia. This will be taught from an interdisciplinary approach.

ED-P 300 Units: 2.5
Formerly: EDUC 300
School Experience & Five Week Spring Practicum
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.

ED-P 400 (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 understanding, 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-practicum school visits are required.

400B - School Experience and Extended Practicum (Post-Degree)
This is an extended practicum for Post Degree Professional Program students scheduled for September through December. Students are also required to attend weekly seminars.

400C - School Experience and Eight Week Practicum (Post-Degree)
This is an eight-week final practicum for Post Degree Professional Program students normally scheduled during September, October, November. Students are also required to attend weekly seminars.

400D - School Experience and Extended Practicum (Professional Degree)
Students accepted into the internship program are required to take courses in July and August, undertake an extended practicum scheduled for September through mid-February, attend seminars and workshops, and conclude their coursework mid-February to April. Only one strand is offered for internship students and will be known before application to the internship.

400E - School Experience and Updating Practicum
A seminar and eight-week practicum for persons wishing to update teaching skills and to gain or validate teaching certificates. Pre-practicum school visits and planning are required. The time commitment is ten to twelve weeks.

Note: Credit will be granted for only one of 400, 400A, 400B, 400C, 400D, 400E, EDUC 400, 400A, 400B, 400C, 400D, 400E. With permission of the Director of Teacher Education, credit may be granted for ED-P 400E and any one of the above.

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 exams in the spring.

Note: Credit will be granted for only one of 361, 300A, 300B.

Pre- or corequisites: ED-P 360
Grading: INP, COM, N, F.

ED-P 350 Units: 1.5 Hours: 3-0
Year 4 Elementary Field 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.

Note: Credit will be granted for only one of 350, 300A, 300B.

Grading: INP, COM, N or F.

ED-P 351 Units: 1.5
Five-Week Elementary Practicum (Professional Degree)
Students in the Bachelor of Education program will undertake a five-week practicum following final exams in their Year 4 courses. Practicum placements may be outside the local area, and may be completed in a non-traditional educational setting.

Note: Credit will be granted for only one of 351, 300A or 300B.

Grading: INP, COM, N, F.

ED-P 360 Units: 1.5 Hours: 3-0
Elementary Field Experience Seminar (Post Degree)
Focus is on planning and implementing the curriculum, addressing the diversity found in classrooms and schools, and acquiring strategies for orchestrating the many demands and responsibilities inherent in the role of educator. Students will refine and enhance their e-portfolio.

Note: Credit will be granted for only one of 360, 300A, 300B.

Grading: INP, COM, N, F.

ED-P 250 Units: 1.5 Hours: 3-0
Elementary Field 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 conjunction with their seminar and to observe for specific indicators of climate, programming and group management. Students will begin their electronic portfolio.

Note: Credit will be granted for only one of 250, 200.

Grading: INP, COM, N, F.

ED-P 251 Units: 1.5
Three-Week Practicum (Elementary Education)
Students in the Bachelor of Education Elementary program will undertake a three-week practicum following final exams in their Year 3 courses. Practicum placements may be outside the local area.
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.  
Note: Credit will be granted for only one of 451, 400A, 400B, 400C, 400D.  
Prerequisites: ED-P 351  
Grading: INC, COM, N, F.

ED-P 461  
Units: 3.0  
Eight-Week Elementary Practicum (Post Degree)  
Students in the Elementary Post Degree Professional Program will undertake an eight-week practicum scheduled during September-October.  
Note: Credit will be granted for only one of 461, 400A, 400B, 400C, 400D.  
Prerequisites: ED-P 361  
Grading: INC, 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 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: INC, COM, N, F.

ED-P 494  
Units: 1.5 each  
Directed Studies  
Research projects, directed reading, or additional course work in a specified area.  
494Y - Student Teaching  
Note: All students must obtain written approval from the Director before registering. Permission will not normally be given for more than 3 units of directed studies.

ED-P 495  
Units: 1.5 each  
Directed Studies  
Research projects, directed reading, or additional course work in a specified area.  
495Y - Student Teaching  
Note: All students must obtain written approval from the Director before registering. Permission will not normally be given for more than 3 units of directed studies.

ED-P 496  
Units: 0.5-1.5  
Formerly: EDUC 496  
Mentoring in Teaching  
An exploration, analysis and application of supervisory and support models and techniques for mentoring pre-service and beginning teachers. This course is for certified teachers and includes school-based experiences.  
Note: Credit will be granted for only one of 496, EDUC 496.  
Prerequisites: Valid teaching certificate, 3 years experience and permission of the Director of Teacher Education Programs.

ED-P 497  
Units: 1.5 or 3.0  
Professional Seminar or Practicum  
A seminar or supervised practicum for persons wishing to update teaching skills and to gain or validate teaching certificates. Practicum only students will be on an individualized study/practice program.  
Prerequisites: Consent of the Director.  
Grading: INC, COM, N, F.

ED-P 498  
Units: 1.5  
Fourth Year Secondary Seminar  
A program of seminars and school experiences prerequisites 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, 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.

ED-P 780  
Units: 1.5  
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 790  
Units: 1.5  
Secondary Teaching Skills Seminar  
The study, performance and evaluation of teaching skills essential to teacher performance at the secondary level. Skills will be practised and evaluated through peer interaction.  
Prerequisites: Acceptance in the Secondary Post Degree Professional Program.  
Grading: INC, COM, N 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 303  
Units: 1.5  
Hours: 3-0  
Formerly: EDUC 303  
Historical and Philosophical Foundations of Canadian Education  
This course takes an historical and philosophical look at the study of Canadian schooling. It focuses on historical and philosophical events and 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 305A  
Units: 1.5  
Hours: 3-0  
Formerly: Part of EDCI 305  
Drama Education: A Medium for Learning I  
This preliminary course presents an overview of the theory and practice of drama in education based on the current elementary curriculum. Through a workshop format, students will explore the principles and methods of instruction for initial classroom implementation.  
Note: Credit will be granted for only one of 305A, 305, EDUC 305, DE 204, 304.  
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 305B  
Units: 1.5  
Hours: 3-0  
Formerly: Part of EDCI 305  
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: 3-0  
Formerly: Part of 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, EDCI 306, EDUC 306, ME 204, ME 206, ME 304.  
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 306B  
Units: 1.5  
Hours: 3-0  
Formerly: Part of 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 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 308B, 306, EDCI 306, EDUC 306, ME 304, ME 306, ME 304.

**Prerequisites:** EDCI 306A and acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 307A Units: 1.5 Hours: 3-1
Formerly: Part of EDCI 307

**Art in the Elementary Classroom I**

The purpose of this methods course is to understand the place and practice of art in the elementary school curriculum. Topics include a rationale for art education, theory about developmental stages, sensitivity to individual and cultural diversity, as well as lesson planning, assessment strategies, and integration of art with other core subjects. 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
Formerly: Part of EDCI 307

**Art in the Elementary Classroom II**

A further investigation of concepts and methods of instruction that are appropriate for elementary students in classroom settings. 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 359

**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 359, EDUC 406, EDCI 406, 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**

Exploration of the instructional applications of video including program development and production; examination of the effects of television on children.

**Note:** Credit will be granted for only one of 337, ED-B 360.

EDCI 338 Units: 1.5 Hours: 2-2
Formerly: ED-B 362

**The Mass Media and Education**

The history and development of mass media in North America; the effects of radio, television and film on children's home life and school experience; the educational uses of the mass media; current developments in educational television; satellite based interactive instructional systems.

**Note:** Credit will be granted for only one of 338, ED-B 362.

EDCI 339 Units: 1.5 Hours: 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, EDCI 363.

EDCI 347A Units: 1.5 Hours: 3-0
Formerly: EDCI 341A

**Children’s and Young Adult Literature**

The study of a selection of Canadian and international children's and young adult literature drawn from various genres, including realistic fiction, fantasy, traditional literature, poetry and nonfiction. The course also explores how various literary theories influence the interpretation and analysis of children's and young adult literature.

**Note:** Credit will be granted for only one of 347A, ENGL 402, EDCI 341A.

**Prerequisites:** 3 units of English.

EDCI 350 Units: 1.5 Hours: 3-0
Formerly: EDCI 350

**Foundations of Reading and Writing in the Secondary Grades**

A study of the nature and development of reading and writing abilities in the secondary grades with specific reference to the linguistic and psychological bases of the reading and writing processes. Emphasis will be placed on the integrative nature of language processes and the place of speaking and listening in the development of reading and writing.

**Note:** Credit will be granted for only one of 350, ED-B 350.

EDCI 352 Units: 1.5 Hours: 3-0
Formerly: ED-B 344

**Literacy for Learning Across the Secondary Curriculum**

The purpose of this course is to prepare prospective secondary school teachers to develop understandings and approaches to integrating literacy processes and products into the subject disciplines. The course will examine multiple literacies and contemporary understandings of texts as they apply to learning across the curriculum.

**Note:** Credit will be granted for only one of 352, 343C, ED-B 344.

**Corequisites:** Professional year.

EDCI 353A Units: 1.5 Hours: 3.0
Formerly: EDCI 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.

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**2008-09 UVIC CALENDAR**

**EDCI 353B** Units: 1.5 Hours: 3.0
Formerly: EDCI 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, EDCI 351, 351, 371, EDCI 371. Restricted to students with third or fourth-year standing.

EDCI 371 Units: 1.5
Also: IS 371

**The History of First Nations, Métis, and Inuit Education in Canada**

Topics include: traditional forms of Aboriginal knowledge and pedagogy before European contact; a historical view of colonization and government legislation and policy pertaining to education; Aboriginal resistance and education initiatives; a general overview of current issues facing Aboriginal Education. Class participants will experience learning through storytelling, modeling, dialogue, experiential learning, and self and group directed learning.

**Note:** Credit will be granted for only one of 371, IS 371.

**Grading:** COM, N, F.

EDCI 372 Units: 1.5
Also: IS 372

**Indigenous Epistemologies**

Study and celebration of indigenous knowledges and practices (traditional and evolved) of First Nations, Métis, and Inuit people. Problematization of the assimilative pressures imposed on Aboriginal peoples since contact. Topic includes: how First peoples think, feel and act as the people of this land; different kinds of Aboriginal oral, spiritual, and written scholarship; epistemological frameworks, methodologies and protocols for validating Indigenous scholarship; ethics and values implied by research teaching, and organizational systems.

**Note:** Credit will be granted for only one of 372, IS 372.

**Grading:** COM, N, or F.

EDCI 373 Units: 1.5 Hours: 3-0
Also: IS 373

**EL TELINWAT and Aboriginal Education**

An explanation of ways to address the learning and teaching needs of Aboriginal children, youth, and adults through understanding Indigenous peoples’ relationship with land, language, and community. Topics include: study of who Indigenous peoples are, diversity amongst Indigenous peoples, ways to indigenize the learning and educational environment, and of the systems that impact service of teachers and learners.

**Note:** Credit will be granted for only one of 373, IS 373.

EDCI 401 Units: 1.5 Hours: 3-0
Formerly: EDCI 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.
### UVIC UNDERGRADUATE CALENDAR 2008-09

#### 272 COURSE LISTINGS

**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 Science**

A study of the curriculum organization, instructional strategies, and assessment practices in elementary science. The course will include consideration of the nature of science, the interactions of science, technology, society and environment, and the content, processes and attitudes prescribed in the provincial curriculum.

**Note:** Credit will be granted for only one of 403, EDUC 403, ED-E 745.

**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

**EDCI 404**
- Units: 1.5
- Hours: 3-0
- Formerly: EDUC 404
- **Curriculum and Instruction in Elementary Social Studies**

A study of the curriculum organization and techniques of instruction in elementary social studies. Examples are drawn from a variety of content areas: history, geography, anthropology, sociology, political science, and/or economics, with emphasis on participatory citizenship, culture and traditions in a pluralistic society.

**Note:** Credit will be granted for only one of 404, EDUC 404, ED-E 746.

**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

**EDCI 405**
- Units: 1.5
- Hours: 3-0
- Formerly: EDUC 405
- **Curriculum and Instruction in Elementary Mathematics**

General and specific goals of mathematics teaching and learning; examination of all components of the prescribed provincial mathematics curriculum; teaching strategies; learning activities; classroom settings; and assessment techniques.

**Note:** Credit will be granted for only one of 405, EDUC 405, ED-E 743.

**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

**EDCI 409**
- Units: 1.0
- Hours: 2-0
- Formerly: EDUC 409
- **Constructing Mathematical Understanding**

Further examination of recent issues and trends related to fostering and assessing the major components of mathematical literacy, mathematical thinking and numeracy.

**Note:** Credit will be granted for only one of 409, EDUC 409, ED-E 743.

**Prerequisites:** 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**

An examination of how historical, philosophical, developmental, political and sociological factors determine today’s programs for preschool, daycare, kindergarten and primary. This course addresses the questions: Where do early childhood programs come from? Why is there such variety in programs for children and families? And what can we learn from other programs and other countries?

**Note:** Credit will be granted for only one of 421, ED-B 440.

**Pre- or corequisites:** ED-B 339 or EDCI 321 or permission of the instructor.

**EDCI 422**
- Units: 1.5
- Hours: 3-0
- Formerly: ED-B 441
- **Curriculum and Program Design in Early Childhood Education**

Practical strategies for the development of early childhood curricula and the planning and administration of programs for preschool, daycare, and kindergarten. This course also examines current topics such as integration, multiculturalism, family involvement, and program evaluation.

**Note:** Credit will be granted for only one of 422, ED-B 441.

**Pre- or corequisites:** ED-B 440.

**EDCI 423**
- Units: 1.5
- Hours: 3-0
- Formerly: ED-B 448
- **Seminars and Practicum in Early Childhood Education**

Observation and supervised practice teaching in the preschools, daycare centres, and kindergartens. Course activities include weekly half-day observations and a seminar. Completion of a successful practicum will be required.

**Note:** Credit will be granted for only one of 423, ED-B 448.

**Pre- or corequisites:** ED-B 441, EDCI 422 or permission of the instructor.

**EDCI 424A**
- Units: 1.5
- Hours: 3-0
- Formerly: EDUC 422, EDUC 422A
- **Adaptation of Curriculum and Instructional Strategies (Mathematical)**

The introduction of diagnosis and instruction for struggling learners in language arts with a focus on reading and writing and of curriculum and methodology of teaching English as a second language (ESL). Students will become familiar with materials and procedures helpful to supporting learners and alleviating literacy difficulties.

**Note:** Credit will be granted for only one of 424A, EDUC 422, 422A.

**Prerequisites:** ED-D 420 (formerly EDUC 420).

**EDCI 424B**
- Units: 1.5
- Hours: 3-0
- Formerly: EDUC 422, EDUC 422B
- **Adaptation of Curriculum and Instructional Strategies (Mathematical)**

Development and use of instructional methods and materials appropriate for children with learning difficulties in mathematics. Ways of adapting curricula and instruction in other content areas and technological support for children with special education needs will also be considered.

**Note:** Credit will be granted for only one of 424B, EDUC 422, 422B.

**Prerequisites:** ED-D 420 (formerly EDUC 420).

**EDCI 431**
- Units: 3.0
- Hours: 3-0
- Formerly: ED-B 442
- **Anthropology and 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 433, ED-B 425.

**EDCI 432**
- 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.

**EDCI 437**
- Units: 1.5
- Hours: 2-2
- Formerly: ED-B 463
- **Visual Literacy**

The theory and forms of contemporary visual communication in education: composition and analysis techniques of television, film, video and photography and incorporation of these media into instructional design. The effects of mass media on children.

**Note:** Credit will be granted for only one of 437, ED-B 463.

**EDCI 446**
- Units: 3.0
- Hours: 3-0; 3-0
- Formerly: ED-B 442
- **Literacy Strategies For Supporting Struggling Learners**

A course covering classroom diagnosis and treatment of reading difficulties; prevention of reading disabilities; corrective classroom procedures. Students will become familiar with materials and procedures for the correction of various types of reading disabilities. This course is useful to the classroom teacher and to the reading specialist. A portion of the course may involve remedial work in a school setting.

**Note:** Credit will be granted for only one of 446, ED-B 442.

**Prerequisites:** Professional year and 342 or permission of the instructor. Students in the Learning Assistance teaching area will be allowed to take this course without 342 provided they have completed the professional year.

**EDCI 447**
- Units: 1.5
- Hours: 3-0
- Formerly: ED-B 491
- **Principles of Teaching English To Second Language Learners**

A survey of principles and theories for, and the teaching of English to second language learners. The examination of curriculum and methodology for use with ESL learners in the elementary and secondary schools.

**Note:** Credit will be granted for only one of 447, ED-B 490, ED-B 491.
Prerequisites: Registration in the Faculty of Education, Diploma in Applied Linguistics or major in Applied Linguistics.

EDCI 448  Units: 1.5  Formerly: ED-B 492
Organization and Procedures for Instruction of English To Second Language Learners
The examination of current models for the organization and instruction of ESL students at the elementary and secondary levels. The integration of language and content instruction within the regular classroom is emphasized.

Note: Credit will be granted for only one of 448, ED-B 490, ED-B 492.

Prerequisites: Registration in the Faculty of Education, Diploma in Applied Linguistics or major in Applied Linguistics or by permission of instructor.

EDCI 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).

Grading: INC, COM, N or F.

EDCI 451  Units: 1.5  Hours: 3-0  Formerly: EDUC 431
Community and Culture
Designed to provide students with an appreciation of the utility of culture as a framework for understanding teaching and learning. Students will explore the roles and impacts they have as teachers and community members in the transmission and transformation of culture. This course will also investigate the implications and challenges of teaching in a multicultural society.

Note: Credit will be granted for only one of 451, EDUC 431.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 452  Units: 1.5  Hours: 3-0  Formerly: EDUC 432
Cultural Studies in Education
Focuses on the school both as a community of learners and as a part of a larger community in a changing world. Topics of study will include different conceptions of community as they relate to education and learning, relations of power in school and community settings, gender roles, ethnicity, spirituality, traditions of conflict resolution, human rights, and the effects of global systems on local communities.

Note: Credit will be granted for only one of 452, EDUC 432.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 453  Units: 1.5  Hours: 3-0  Formerly: EDUC 433
Ecology For Teachers
Labs, field trips and inquiry activities will explore the major ecosystems in British Columbia as a focus for instruction. Topics include the natural history of plants and animals, the ecology of communities and ecosystems, and human impacts emphasizing the Pacific Northwest. Intended to provide teachers with information and skills to explore the outdoor environment as a focus for instruction: to plan and organize field trips, teach nature appreciation, inquiry techniques, ecology concepts and stewardship.

Note: Credit will be granted for only one of 453, EDUC 433.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 454  Units: 1.5  Hours: 3-0  Formerly: EDUC 434
Environmental Education
This multidisciplinary course is designed to familiarize the educator with a range of issues and teaching methods related to environmental education. Topics include goals for environmental and outdoor education; environmental ethics; current issues and trends; multicultural perspectives towards the land; local, national and global issues, teaching strategies for understanding and resolving environmental issues; program and unit planning. Selected field trips to locations emphasizing current environmental issues.

Note: Credit will be granted for only one of 454, EDUC 434.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 455  Units: 1.5  Hours: 3-0  Formerly: EDUC 436
The Evolution of Educational Ideas: Philosophy, History and the Classroom
The impact of educational philosophy and the history of education on the culture of the schools 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.

Note: Credit will be granted for only one of 455, EDUC 436.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 456  Units: 1.5  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.

Note: Credit will be granted for only one of 456, EDUC 437.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 457  Units: 1.5  Formerly: EDUC 438
English as a Second Language
A survey of curriculum and instruction designed to develop beginning competence for teaching English as a second language. There are three main themes: language instruction techniques, evaluation of the language and educational needs of ESL students, and developing sensitivity for the prior educational and cultural experiences of ESL students.

Note: Credit will be granted for only one of 457, EDUC 438, ED-E 491.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 458  Units: 1.5  Hours: 3-0  Formerly: ED-E 444
Mathematics Instruction in the Elementary School
Teaching strategies; classroom organization; learning activities and settings; evaluation procedures; instructional materials, their function and use.

Note: Credit will be granted for only one of 458, ED-E 444.

Note: Credit will be granted for only one of 459, EDUC 439.

Prerequisites: EDCI 450 (formerly EDUC 430).

EDCI 459  Units: 1.5  Hours: 3-0  Formerly: ED-E 444
Diagnosis and Intervention in Mathematics
Identification of strengths and weaknesses; interview strategies, procedures and settings; interpretation of error patterns; intervention objectives and strategies.

Note: Credit will be granted for only one of 459, ED-E 484.

Prerequisites: Professional Year.

EDCI 460  Units: 1.0  Hours: 2-0  Formerly: EDUC 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.

Note: Credit will be granted for only one of 460, EDUC 440.

Prerequisites: Completion of Year Three of the Bachelor of Education Elementary Program or acceptance in the Post-Degree Professional Program (Elementary).

EDCI 461  Units: 1.5  Hours: 3-0  Formerly: EDUC 441
Language For Higher Thought
An examination of instructional practices to develop high levels of thinking through engagement with literature and through writing in selected genres. 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.

Note: Credit will be granted for only one of 461, EDUC 441.

Prerequisites: EDCI 460 (formerly EDUC 440).

EDCI 462  Units: 1.5  Hours: 3-0  Formerly: EDUC 442
Creative Thought and Expression Through Music
Production, perception, and reflection as the basis for music-making. Opportunities to enhance personal musicianship and develop teaching strategies to encourage creativity and critical thinking in elementary students.

Note: Credit will be granted for only one of 462, EDUC 442.

Prerequisites: EDCI 460 (formerly EDUC 440).

EDCI 463  Units: 1.5  Hours: 3-0  Formerly: EDUC 443
Visual Thinking
Visual artists use a variety of strategies to develop original imagery, find creative solutions to problems, and express ideas that cannot be conveyed in any other medium. 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.

Note: Credit will be granted for only one of 463, EDUC 443.

Prerequisites: EDCI 460 (formerly EDUC 440).

EDCI 464  Units: 1.5  Hours: 3-0  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
COURSE LISTINGS

EDCI 465 Units: 1.5 Hours: 3-0
Formerly: EDUC 446
The Art of Mathematics
Mathematics is often erroneously viewed as the application of rote formulae to contrived exercises; a more informed view would see it as a language to describe the universe (Galileo), or as an art form to express abstract thought. This course will provide students with opportunities to explore the creative underpinnings of mathematics and its ubiquitous nature. Students will engage in non-routine problem-solving activities and develop an understanding and appreciation of alternate heuristics and ways of communicating mathematical thought.
Note: Credit will be granted for only one of 465, EDUC 446.
Prerequisites: EDCI 460 (formerly EDUC 440).

EDCI 466 Units: 1.5 Hours: 3-0
Formerly: EDUC 447
Scientific and Technological Literacy
Science as inquiry and technology as design have been significant influences on North American 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 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: EDCI 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 planning and curricular development. The course will take an interdisciplinary approach and include teaching strategies for helping students clarify and resolve environmental issues. Selected field trips.
Note: Credit will be granted for only one of 468, ED-E 473.

EDCI 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 instruction will include both French and English.
Note: Credit will be granted for only one of 469, EDUC 448, ED-B 391.

EDCI 470 Units: 1.5 Hours: 3-0
Formerly: EDUC 449
Literacies and Expression: Professional Integration
Designed to provide opportunities for prospective teachers to forge links between the other courses in the strand and their own interests, skills, experiences, and styles related to teaching. Portfolios might be selected as a vehicle for a multi-dimensional documentation of ideas, insights, and learnings. Students are encouraged to engage in creative thought and explore and refine multiple forms of expression and representation.
Note: Credit will be granted for only one of 470, EDUC 449.
Prerequisites: EDCI 460 (formerly EDUC 440).

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 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 the permission of the Education Advising Centre.

EDCI 494 Units: 1.5 each Formerly: ED-A, ED-B, ED-E 494; ED-A, ED-B, ED-E 495
Directed Studies
Research project, directed reading, or additional course work in a specific area.

EDCI 716 Units: 1.5 Hours: 3-0
Formerly: ED-A 750
Curriculum and Instruction in Secondary School Theatre
This course is designed to prepare theatre/drama education students for the teaching profession. It is meant to provide students with one of the many bridges connecting their university theatre and drama experiences to the world of the secondary school. The focus will be on the how, what, and why of classroom drama.
Note: Credit will be granted for only one of 716, ED-A 750. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 746 Units: 1.5 Hours: 3-0
Formerly: ED-B 754
Curriculum and Instruction in Secondary School French
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 current French language teaching approaches through the study of representative materials and techniques. Emphasis will be placed on practical classroom techniques and the challenges particular to teaching French in the secondary school.
Note: Credit will be granted for only one of 746, ED-B 754. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.
EDCI 747       Units: 1.5       Hours: 3-0
Formerly: ED-B 753
Curriculum and Instruction in Secondary School Education
This course is intended to prepare students to instruct and assess middle and secondary English language arts. The course will explore a variety of teaching and assessment strategies, resources and current research into the challenges and possibilities of teaching English language arts.
Note: Credit will be granted for only one of 747, ED-B 753. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 748       Units: 3.0       Hours: 3-0
Formerly: ED-B 748
Language and Literacy in the Elementary School (Primary or Intermediate Grade emphasis)
A study of the elementary language arts curriculum emphasizing selection and application of materials, resources, and methods for teaching reading, writing, speaking, and listening.
Note: Credit will be granted for only one of 748, ED-B 748.
Prerequisites: Acceptance in professional year.

EDCI 749       Units: 1.5       Hours: 3-0
Formerly: ED-B 756
General Methods of Second Language Teaching
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 current second language teaching approaches through the study of representative materials and techniques. Emphasis will be placed on practical classroom techniques and the challenges particular to teaching second languages.
Note: Credit will be granted for only one of 749, ED-B 756. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Secondary Teacher Education.

EDCI 756       Units: 2.0       Hours: 3-0
Formerly: ED-E 743
Curriculum and Instruction in Mathematics in the Elementary School
An examination of the mathematics curriculum and instructional procedures for teaching mathematics: scope and sequence, objectives, classroom settings, teaching strategies, manipulative aids, learning activities, and evaluation procedures.
Note: Credit will be granted for only one of 756, ED-E 743.
Prerequisites: Acceptance in professional year.

EDCI 757       Units: 1.5       Hours: 3-0
Formerly: ED-E 761
Curriculum and Instruction in Secondary School Mathematics
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.

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, MECI 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, electromotive force, energy stored in a magnetic field. Magnetism and magnetic circuits. Time varying fields. Capacitance, resistance, inductance, and their characterization.
Note: Credit will be granted for only one of 216, PHYS 216.
Pre- or corequisites: MATH 200.

ELEC 220       Units: 1.5       Hours: 3-0-1
Electrical Properties of Materials
Materials for engineering, atomic bondings, crystalline structures, properties of metals, glasses, semiconductors, insulators and magnetic materials. Electronic conduction in solids and simple devices. Materials in engineering design and environmental effects.
Prerequisites: PHYS 125 or PHYS 112; 216 or PHYS 216 which may be taken concurrently, and MATH 200.

ELEC 250       Units: 1.5       Hours: 3-1.5-1
Linear Circuits
**COURSE LISTINGS**


**Prerequisites:** 216 or PHYS 216 and MATH 201 which may be taken concurrently.

**ELEC 255**
**Units:** 1.5  **Hours:** 3-0-1
**System Dynamics**

**Prerequisites:** MATH 101.

**ELEC 260**
**Units:** 1.5  **Hours:** 3-0-1
**Signal Analysis**

**Prerequisites:** 250 which may be taken concurrently. MATH 200 and either 133 or 233A.

**ELEC 300**
**Units:** 1.5  **Hours:** 3-1.5
**Linear Circuits: II**
Laplace transform analysis and matrix characterization of loop and node circuits. Design of controlled source circuits and ideal operational amplifiers. Feedback in design. Design of complex loads for maximum power transfer. Driving point and transfer function analysis with design for pole and zero placement in simple passive circuits and second order resonant responses, design for stability or oscillation in active circuits. Bode plots. Two-port parameters.

**Prerequisites:** 250 and 260.

**ELEC 310**
**Units:** 1.5  **Hours:** 3-0
**Digital Signal Processing: I**
Generation of discrete-time signals through the sampling process and their spectral representation. Mathematical representation and properties of digital signal processing (DSP) systems. Typical DSP systems, e.g., digital filters, and applications. The z transform and its relation to the Laurent series. Evaluation of the inverse z transform using complex series and contour integrals. Application of the z transform for representation and analysis of DSP systems. The processing of continuous time signals using DSP systems. The discrete-Fourier transform and the use of fast Fourier transforms for its evaluation. Introduction to the design of DSP systems.

**Prerequisites:** 255 or 280.

**ELEC 320**
**Units:** 1.5  **Hours:** 3-1.5
**Electronic Devices: I**

**Prerequisites:** 220.

**ELEC 330**
**Units:** 1.5  **Hours:** 3-1.5
**Electronic Circuits: I**

**Prerequisites:** 250.

**ELEC 335**
**Units:** 1.5  **Hours:** 3.0
**Biosensors and Instrumentation**
A study of the basic principles of biomedical electronics and measurement with emphasis on the operational performance and selection of transducers, instruments and systems for biomedical data acquisition and processing. Topics will include electrocardiography (ECG), electroencephalography (EEG) and medical ultrasound.

**Prerequisites:** 220 and 250, and 300 which may be taken concurrently.

**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: I**
Principles of amplitude, frequency and phase modulation; design of communication systems using link budget; modulators, mixers and demodulators; elementary digital communications, PSK, FSK. System analysis using Matlab; random processes, power spectral density, noise in communication systems, matched filters.

**Prerequisites:** 310 and 330.

**ELEC 360**
**Units:** 1.5  **Hours:** 3-1.5
**Control Theory and Systems: I**
Characterization of systems: linearity, time invariance, and causality. General feedback theory; time and frequency domain analysis of feedback control systems; Routh-Hurwitz and Nyquist stability criteria; root locus methods; modelling of dc servos; design specifications and system performance; design of PID controllers; lead and lag compensators; introduction to state-space methods.

**Prerequisites:** 265 or 280.

**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 electromechanical energy conversion; transformers and actuators; operating principles of rotating electric machines: dc machines and ac machines.

**Prerequisites:** 216 or PHYS 216; 250.

**ELEC 370**
**Units:** 1.5  **Hours:** 3-1.5
**Electromechanical Energy Conversion**

**Prerequisites:** 250.

**ELEC 380**
**Units:** 1.5  **Hours:** 3-3
**Electronic Circuits: II**

**Prerequisites:** 300 and 330.

**ELEC 395**
**Units:** 1.0  **Hours:** 3-0
**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 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 signalling; sequence design, error control in data storage systems and in information transmission.

**Prerequisites:** Fourth-year standing.

**ELEC 407**
**Units:** 1.5  **Hours:** 3-0
**Digital Signal Processing: II**
through the transformation of Chebyshev, inverse-Chebyshev, and elliptic analog filter approximations. Design for recursive digital filters satisfying prescribed specifications. Finite word-length effects. Applications.

**Note:** Credit will be granted for only one of 407, 458.

**Prerequisites:** 310 and fourth-year standing.

**ELEC 410**

**Units:** 1.5  **Hours:** 3-1.5

**Power Electronics**

Electronics in energy conversion and control. Circuits with switches and diodes. Electrical and thermal characteristics of power semiconductor devices: diodes and thyristors; bipolar, field effect and insulated gate transistors. Phase controlled converters: ac-to-ac and ac-to-dc converters including switching regulators. Voltage source inverters. Pulse-width modulation and harmonic elimination techniques. Emphasis on device limitations, computer aided analysis and system control. Application examples including solar power conversion and battery chargers.

**Prerequisites:** 370 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 435**

**Units:** 1.5  **Hours:** 3-0

**Medical Image Processing**

Image processing and understanding techniques applied in medical imaging technologies such as CT, MRI, ultrasound, X-ray. Design of computer aided diagnosis systems. Topics include algorithms for filtering, edge detection, segmentation, registration and 3D visualization of medical data.

**Prerequisites:** 310 and fourth-year standing in the faculty.

**ELEC 450**

**Units:** 1.5  **Hours:** 3-1.5

**Communications Theory and Systems:** II

Transmission and filtering of random signals, analysis of modulation systems, in particular pulse code modulation, phase shift keying, frequency shift keying, etc., design of modems and of CODECs, introduction to noise analysis, information theory and coding.

**Prerequisites:** 350 and fourth-year standing.

**ELEC 452**

**Units:** 1.5  **Hours:** 3-1.5

**Optical Communication Technology**

Covers the technology associated with optical communication. Topics include waveguiding in fibers, dispersion and loss in propagation, LEDs and semiconductor lasers, photodetectors, noise, link budgeting, optical filters and wavelength-division multiplexing, optical amplifiers and optical networks.

**Prerequisites:** 320 and fourth-year standing.

**ELEC 453**

**Units:** 1.5  **Hours:** 3-0

**Antennas and Propagation**

Antenna and propagation fundamentals. Friis transmission formula, radar equation, Maxwell’s equations for radiation problems, antenna parameters, simple radiators, array theory, mutual coupling, wire and broadband antennas, aperture radiators, scattering and diffraction, multipath propagation and fading, antenna measurement techniques, surface-wave and ionospheric propagation, microwave and millimeter-wave propagation.

**Prerequisites:** 404 and fourth-year standing.

**ELEC 454**

**Units:** 1.5  **Hours:** 3-1.5

**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.

**Prerequisites:** 310 and fourth-year standing.
ELEC 496
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
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 for only one of 499, 499A, 499B.
Prerequisites: Four-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 142.
Note: 3 fee units.
Prerequisites: Qualifying score on LPI.
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.
Note: Those who score level 5 on LPI may not take this course.
Prerequisites: A score of level 4 on LPI.

ENGL 125
Units: 1.5
Hours: 3-0
Poetry and Short Fiction
An introduction to short fiction and poetry and the writing of critical essays on these genres. Discussions and assignments focus on the analysis and interpretation of poems and short stories; emphasis on Canadian authors; introduction to critical terms. Writing of critical essays, with attention to organization, paragraph development, evidence, clarity, and appropriate use of quotations; library test.
Note: Credit will be granted for only one of 125, 116, 122.
Prerequisites: English 12 class grade, qualifying score on LPI or 1.5 units of English.

ENGL 135
Units: 1.5
Hours: 3-0
Academic Reading and Writing
Practice of skills needed for successful academic writing in a variety of subject areas. Analysis of rhetorical, stylistic, research and documentation techniques; development of these techniques through practical writing assignments. Balance of lectures and discussion.
Prerequisites: English 12 class grade, qualifying score on LPI or 1.5 units of English.

ENGL 145
Units: 1.5
Hours: 3-0
Drama and the Novel
An introduction to drama and the novel and the writing of critical essays on these genres. Discussions and assignments focus on the analysis and interpretation of plays, screenplays, and novels; emphasis on Canadian authors; introduction to critical terms. Writing of critical essays, with attention to organization, paragraph development, evidence, clarity, and appropriate use of quotations; library test.
Note: Credit will be granted for only one of 145, 116, 122.
Prerequisites: English 12 class grade, qualifying score on LPI or 1.5 units of English.

ENGL 200A
Units: 1.5
Hours: 3-0
Formerly: part of 200
Medieval and Renaissance Literature
A study of major works of the Middle Ages and Renaissance. Subjects may include the development of English as a literary language, the social structures of feudalism, women and spirituality, the cultural upheavals caused by the Reformations, the scientific revolution, and the English civil war. Readings in medieval drama, medieval devotional prose, and works by Chaucer, Langland, the Gawain poet, Spenser, Marlowe, Shakespeare, Donne, or Milton.
Note: Credit will be granted for only one of 200A, 150, 200.

ENGL 200B
Units: 1.5
Hours: 3-0
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 institutions 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 for only 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, 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
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 207
Units: 1.5
Hours: 3-0
Introduction to Cultural Studies
An introduction to Cultural Studies as the theory and practice of reading "texts" from a variety of sources, including popular culture, literature and electronic media; themes such as definitions of "culture" and the roles it plays in forming personal and social identities. Readings may include literary texts as well as "texts" drawn from other disciplines and from popular and commercial sources such as magazines, posters, the internet, video or audio presentations.

ENGL 208
Units: 1.5
Hours: 3-0
Introduction to Women's Writing
A study of feminist issues in women's literature; coverage of various periods, genres, and theoretical approaches. Readings may include authors such as Margery Kempe, Aphra Behn, Jane Austen, Emily Dickinson, Margaret Atwood, and Angela Carter.

ENGL 209
Units: 1.5
Hours: 3-0
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. Open to all students, but of special relevance to those going into the teaching profession.
Prerequisites: A minimum average grade of B- in 3 units of first-year English.

ENGL 225
Units: 1.5
Hours: 3-0
Technical Communications: Written and Verbal
Intended to assist students who plan careers in business, government, public service and research institutions, the course is designed to improve written and oral communication skills in a work environment. Its practical basis, which requires the preparation of business letters, internal memoranda and reports, is supplemented by a theoretical outline of basic communication within an organizational structure. The course offers experience of both individual and group problem-solving.
Prerequisites: 3 units of first-year English.
ENGL 240: Formerly: ENGR 240.

Notes: Students may take 250 for a maximum of 3 units of credit.

- This course is primarily designed as an elective for students not intending to major in English.

Prerequisites: 3 units of first-year English.

ENGL 301 Units: 1.5 Hours: 3-0
Report Writing
Essential skills of modern technical and business writing, particularly usability, style, and structure. Technology as part of the research, writing, revision, and presentation processes. Proposals, reports, descriptions, writing for general audiences.

Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225, ENGR 240.

ENGL 303 Units: 1.5 Hours: 3-0
Government Writing
Essential skills of government writing, particularly usability, style and structure. Technology as part of the research, writing, revision, and presentation processes. Policy, operation manuals, reports, writing for the general public, media releases.

Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, ENGR 240.

ENGL 305 Units: 1.5 Hours: 3-0
Visual Rhetoric for Professional Writers
Recognition and analysis of visual design to deliver effective professional writing documents for both print and electronic media. Hands-on work using the elements and syntax of visual design. Topics include: working with the practical constraints imposed on visual design by various media; conveying the underlying structure of written documents through visual design; displaying quantitative data; selecting, editing, and using photos and illustrations to sustain a document's message(s).

Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225, ENGR 240.

ENGL 310 Units: 3.0 Hours: 3-0
Formerly: 345
Practical Criticism
A seminar designed to extend awareness of how style and form contribute to meaning in literary works; poetic, narrative, and dramatic technique; representative theoretical approaches and their application; the interdependency of literary technique and critical interpretation. Prospective Honours students are strongly advised to take this course in their second year. Students will be allowed to select this course only if they have the approval of the Director of Honours.

Note: Credit will be granted for only one of 310, 345.

ENGL 337 Units: 1.5 Hours: 3-0
Formerly: 354
Medieval British Literature in Translation
An introduction to the literatures of medieval Britain to c.1500, including English, Anglo-Latin, Anglo-Norman, Celtic or Icelandic works. Major genres may include lyric, epic, history, romance and drama.

Note: Credit will be granted for only one of 337, 345.

ENGL 338 Units: 1.5 Hours: 3-0
Formerly: 355, 346
Introduction to Old Icelandic
An introduction to the Old Icelandic language and to the poems and stories, the Eddas and the Sagas, that it preserves.

Note: Credit will be granted for only one of 338, 346, 355.

ENGL 339 Units: 1.5 Hours: 3-0
Formerly: 356, 347
Old Icelandic Literature
A study of Hrafnkel Saga, Bandamanna Saga, Her- varar Saga and Heidreks, and selected Eddic poems.

Note: Credit will be granted for only one of 339, 347, 356.

Prerequisites: 338 or permission of the instructor.

ENGL 340 Units: 1.5 Hours: 3-0
Formerly: 442 and part of 441
Introduction to Old English
An introduction to the language, culture, and literature of Anglo-Saxon England, including the study of prose texts and poetry.

Note: Credit will be granted for only one of 340, 441, 442.

Prerequisites: 340.

ENGL 342 Units: 1.5 Hours: 3-0
Early Middle English Literature
An introduction to Early Middle English literature from the tenth to the thirteenth century. Emphasis on post-Conquest political and cultural production.

ENGL 343 Units: 1.5 Hours: 3-0
Later Middle English Literature
An introduction to English language, culture and literature in the fourteenth and fifteenth centuries. Emphasis on language politics, rhetorical culture, ideas of authorship and religious reform.

ENGL 344A Units: 1.5 Hours: 3-0
Chaucer: Canterbury Tales
A study of Chaucer's Canterbury Tales.

Note: Credit will be granted for only one of 344A, 351.

ENGL 344B Units: 1.5 Hours: 3-0
Chaucer: Troilus and Minor Works
An introduction to the important works of Chaucer outside the Canterbury Tales, particularly Troilus and Criseyde, and a selection from his dream visions and lyrics.

Note: Credit will be granted for only one of 344B, 352.

ENGL 348 Units: 1.5 Hours: 3-0
Formerly: 357
Alliterative Traditions
An introduction to and selective study of works in alliterative verse and prose between the late Anglo-Saxon period and the late fourteenth century. May include Piers Plowman, Sir Gawain and the Green Knight, Pearl, The Alliterative Morte Arthur, and Scottish alliterative poems.

Note: Credit will be granted for only one of 348, 357.

ENGL 350 Units: 1.5 Hours: 3-0
Medieval and Renaissance Scottish Literature
An introduction to language, culture and literature of Scotland from the fourteenth to the early seventeenth century.

ENGL 353 Units: 1.5 Hours: 3-0
Studies in Medieval English Literature
A study of major literary works and genres of the medieval period (excluding Chaucer). Centres on specific genres (romance, chronicle, drama, lyric, etc.), at the discretion of the instructor, with annual advertisement.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 359 Units: 1.5 Hours: 3-0
Sixteenth-Century Poetry and Prose
Major non-dramatic texts of the period, such as More's Utopia, Sidney's Defense of Poetry, Bacon's Essays; poems by Sidney, Shakespeare, and other Elizabethans; and a substantial selection from Spenser's Faerie Queen.

Note: Credit will be granted for only one of 359, 419.

ENGL 360 Units: 1.5 Hours: 3-0
Special Studies in Shakespeare
This is a variable content course. This year: Hamlet in History
COURSE LISTINGS

A study of the signature work of Western modernity. How did Hamlet become the "Western hero of consciousness"? Topics include Shakespeare’s middle period (Henry V, Julius Caesar, Hamlet), Shakespeare and religion, and Hamlet criticism since the romantics, including first and second generation romanticism, psychoanalysis, literary anthropology, and recent new-historicist reassessments of the division between the medieval and early modern periods.

**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 a 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, Trelawne); Ben Jonson and the Cavalier poets (Herrick, Lovelace, Suckling, Carew); and prose writers such as Bacon, Burton, Browne, Trelawne, 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 the major aspect of literature in the century. The specific focus of the course will be determined by the instructor and advertised annually.

This year: The Eighteenth Century Now
A course devoted to recent novels set in the eighteenth century, examining how and why present-day writers have drawn on the works and lives of eighteenth-century figures such as the explorer George Cartwright, the naval hero Nelson, the celebrated beauty Emma Hamilton, the forger Thomas Chatterton, the German Romantic poet Novalis and the eccentric man of letters Samuel Johnson.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 373**
Units: 1.5
Hours: 3-0

English Literature of the Restoration Period: 1660-1700
Poetry, prose and drama (excluding Milton's) produced between the Restoration of Charles II in 1660 and the close of the 17th century; particular emphasis will be placed upon Dryden and Restoration Comedy.

**ENGL 374**
Units: 1.5
Hours: 3-0
Swift, Pope, and the Literature of the Augustan Age: 1701-1745
An intensive study of the great age of English satire, with particular emphasis on Swift, Pope and the other satirists of the reigns of Queen Anne and the first two Georges.

**ENGL 375**
Units: 1.5
Hours: 1.5
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 432
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 432
The English Novel: 1750 to the Early 19th Century
A study of the development of the English novel in this period, with some attention to social and intellectual backgrounds when these appear to illuminate the novels.

**Note:** Credit will be granted for only one of 376B, 376, 423.

**ENGL 379**
Units: 1.5
Hours: 3-0
Formerly: part of 380
British Fiction and Non-Fiction of the Early Nineteenth Century
Prose writings (novels, autobiography, essays, short stories) of the early nineteenth century. Focus on works by Jane Austen, Sir Walter Scott, Mary Shelley, James Hogg, Thomas DeQuincey, and the Brontes; Gothic novels, historical novels and novels of manners.

**Note:** Credit will be granted for only one of 379, 384.

**ENGL 380**
Units: 1.5
Hours: 3-0
Formerly: part of 384
Victorian Fiction: Dickens to Eliot
A study of major achievements in British fiction during the high Victorian period; focus on works by Charles Dickens and George Eliot; other authors might include the Brontes, Thackeray, Trollope, Collins, Gaskell; issues may include industrialization, the changing roles of women, the impact of history; also realism, serial fiction, the circulating library, illustration, gender and writing.

**Note:** Credit will be granted for only one of 380, 384.

**ENGL 381**
Units: 1.5
Hours: 3-0
Formerly: part of 384
Late Victorian and Edwardian Fiction
A study of the changes in fiction as the Victorian period gives way to the modern age; focus on late-Victorian authors such as Hardy, Stevenson, and Wilde, and on pre-World War I figures such as Wells, Bennett, and early Woolf; issues include fin-de-siecle movements, the rise of information technology, the New Woman and the Dandy, imperial decline; conflicts between realism and neo-romanticism.

**Note:** Credit will be granted for only one of 381, 384.

**ENGL 382**
Units: 1.5
Hours: 3-0
Formerly: half of 430
The Romantic Period: I
Studies in Wordsworth and Coleridge.

**Note:** Credit will be granted for only one of 382, 430.

**ENGL 383**
Units: 1.5
Hours: 3-0
Formerly: half of 430
The Romantic Period: II
Studies in Keats, Shelley, and Byron.

**Note:** Credit will be granted for only one of 383, 430.

**ENGL 385**
Units: 1.5
Hours: 3-0
Special Studies in 19th Century British Literature
A study of a specific theme, problem or author of the 19th century. The specific topic will be determined by the instructor and advertised annually.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 386**
Units: 1.5
Hours: 3-0
Victorian Poetry
Studies in Tennyson, Arnold, the Brownings, the Rossettis, Swinburne and Hopkins. The achievements of the major Victorian poets will be examined in relation to nineteenth-century theories of aesthetics and poetics, with emphasis on topics such as historiography, medievalism, imperialism, orientalism, decadence, construction of gender, the relations between the sexes, the rise of science, and the decline of faith.

**ENGL 387**
Units: 1.5
Hours: 3-0
Victorian Culture and Thought
A study of the Victorian prose essay, both as a specific literary genre with its own methods and literary techniques, and as a vehicle for cultural criticism. Authors to be studied include Carlyle, Arnold, Marx, Mill, Martineau, Newman, Ruskin, Cobbe, Pater, Wilde and Laird. Topics include the rise of democracy, the nature of race, the function of the critic, the role of the universalist, the woman question, consumerism, masculinity, socialism, aestheticism, and decadence.
ENGL 388 Special Studies in 20th Century British Literature
A study of a specific theme, problem or author of the period. The specific topic will be determined by the instructor and advertised annually.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 391 Special Studies in Literary Genre
A variable content course which focuses on a specific literary genre irrespective of geographic and political boundaries. This year: The Poetry of Ideas
Studies of philosophical poetry. Topics include how poets think through images; implications of poetic ambiguity for conceptual thought; how the abstract concept is embodied in poetic technique; contemplation versus active social intervention; private versus public thought; the role of the addressee of the poem; the importance of poetic intention versus the importance of poetic effect.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 392 Studies in a Major Figure
A study of the works of a single literary figure. This year: J.M. Coetzee
A study of the novels of J.M. Coetzee, a South African/Afrikaans author widely considered to be one of the most penetrating voices on postcolonial and postmodern complexities. Novels will include The Life and Times of Michael K., Waiting for the Barbarians, Foe, and What Is Left of My Windows.
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 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 Thematic Approaches to Literature
A variable content course which focuses on a specific literary theme in a variety of texts.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 395 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: An Introduction to Whiteness in Canada
An introduction to the major texts of “whiteness studies,” and application to case studies in Canadian history, literature and popular culture. “Whiteness” as a racial category; strategies for making whiteness visible in cultural texts; the “blackening” or ‘whitening’ of cultural minorities in early twentieth-century Canada; race in the struggles of the Quebecois; “white privilege” and cultural appropriation; the position of the white literary critic in cultural studies. Study of topics based in popular and/or high culture; may include popular fictions, films, and a variety of texts, linking them to wider social signifying practices.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 400 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 20 students. Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units with departmental permission. However, only 1.5 units may be used to complete the requirements for a General, Major or Honours program in English.
Prerequisites: A minimum average grade of B- in 3 units of first-year English, or permission of the instructor.

ENGL 401 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, 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, 215, 225, ENGR 240.

ENGL 402 Children’s Literature
The study of a selection of works drawn from various genres and periods of children’s literature, including novel, folk tale, myth, fantasy and picture book.
Note: Credit will be granted for only one of 402, EDCI 347A.

ENGL 404 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 Special Studies in Professional Writing
This is a variable content course, offered according to the interests and needs of students and faculty. This year: Digital Documentary
Introduction to the skills and techniques associated with contemporary digital audio visual documentary production, and to the history of documentary in the electronic media. Informed engagement with ethics associated with digital documentary production and dissemination.
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, 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, 215, 225, ENGR 240.

ENGL 407 Computer-Mediated Communication
A critical examination of cultural, social and economic processes underlying Computer-Mediated Communication (CMC). Assessment of CMC applications such as e-mail, Intranets, personal and commercial PCS systems, and a range of WWW applications and uses. Production and management and critical evaluation of informative, persuasive and interactive websites.
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 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, 215, 225, ENGR 240.

ENGL 408 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, or Minor Literature Programs in English.

ENGL 409 Formerly: 165 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 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 commonplace and critical vocabularies. Among authors and topics that may be studied are Homer, Plato, Aristotle, Biblical writers, Vergil, Patristic theology, and the impact of Renaissance Humanism on the deployment of literary commonplaces and literary critical practice.
Note: Credit will not be granted for 410 and 410A, 410B.

ENGL 412 Research for Professional Writers
An introduction to the research skills, tasks and tools of professional writers. Students will gain practice in developing research questions and identifying and evaluating information sources; using search engines, databases, indexes, and other electronic sources to gather information; developing research proposals; creating electronic research notebooks and annotated bibliographies; interpreting and reporting data.
Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.
Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 215, 225, ENGR 240.
ENGL 413 Units: 1.5 Hours: 3-0
Studies in Film and Literature
A study of various relationships between the art of film and relevant literary works. Topics will vary and will be announced annually.
This year: Joan of Arc in History, Literature, and Film.
An exploration of some of the many attempts to capture the life of Joan of Arc in words and images. Texts will include transcripts of her trial and modern literary and film reworkings of her story. Topics will include the evolving role of saints within the Catholic Church, the treatment of female sanctity in post-Christian culture, Joan’s role in French history and society, the relationship between film and literature, and so on.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 414A Units: 1.5 Hours: 3-0
Formerly: part of 414
American Film to 1945
A study of major accomplishments in American film concentrating primarily on films to 1945. 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, 414B.

ENGL 414B 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 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
Using Flash, this 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. Throughout, the goal is responding more usefully to the shifting needs of readers. Evaluation consists of three projects.
Notes: - Credit will be granted for only one of 416, 406 (if taken in the same topic).
- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.
Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225, 240.

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: Gay Fiction in America: Margins... and Mainstream?
A study of selected gay fiction published in the United States since World War II in relation to changing attitudes toward homosexuality and the development of specifically gay communities. Consideration of textual reception and social change as indications of attitudes toward homosexuality and as the context for a developing gay literary tradition.
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: Second-Wave Feminism: Gender Politics in the Poetry of Margaret Atwood and Marge Piercy
Will examine the major issues of second-wave feminism through an examination of writing by leading feminist writers of the time (Andrea Dworkin, Shulamith Firestone, Marilyn French, Betty Friedan, Carol Gilligan, Germaine Greer, Cherrie Moraga, and Gloria Steinem, for example) and by two major twentieth-century women poets. We will study this dynamic body of writing in light of historical, political, and aesthetic aspects both of this cultural moment and of our own. In particular, we will explore the ways in which postmodern culture and post-structuralist methodologies changed the practice of feminist theory and politics.
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, Stowe.
Note: Credit will be granted for only one of 428A, 428.

ENGL 428B Units: 1.5 Hours: 3-0
Formerly: part of 428
19th Century American Fiction: II
American fiction from the Civil War to 1900; authors may include Howells, Twain, James, Crane, Chopin, Alcott, Dreiser.
Note: Credit will be granted for only one of 428B, 428.

ENGL 429A Units: 1.5 Hours: 3-0
Formerly: part of 429
20th Century American Fiction to World War II
The American short story and novel in the first 40 years of the 20th Century; authors may include Gilman, Cather, Hemingway, Fitzgerald, Faulkner, Stein, Steinbeck.
Note: Credit will be granted for only one of 429A, 429B.

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, 429C.

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, Audre Lorde, Adrienne Rich, Elizabeth Bishop, James Merrill.
Note: Credit will be granted for only one of 432A, 432.

ENGL 432B Units: 1.5 Hours: 3-0
Formerly: part of 432
American Poetry: From 1975 to the Present Day
Detailed study of American poetry from 1975 to the present. The main poets studied may include: Jorie Graham, Audre Lorde, Rita Dove, Ai, Lyn Hejinian, Susan Howe, Michael Palmer, Charles Bernstein, Kathleen Fraser, Bob Perelman.
Note: Credit will be granted for only one of 432B, 432.

ENGL 433 Units: 1.5 Hours: 3-0
Modern Anglo-Irish Literature
Focuses primarily but not exclusively on the Irish Renaissance; emphasis will be placed on Wilde, Yeats, and Joyce, and other authors to be studied may include Shaw, Synge, Stephens, O’Casey, Clarke, O’Connor, and Beckett. The background of ideas and social forces in the period will receive some attention.

ENGL 434 Units: 1.5 Hours: 3-0
British Poetry From 1914 to the Present Day
This course will include discussion of the main poetic movements of the period, together with explanations of the work of individual poets, such as Wilfred Owen, T.S. Eliot, David Jones, Dylan Thomas, W.H. Auden, W.B. Yeats, D.H. Lawrence, Hugh MacDiarmid, and others.

ENGL 435 Units: 1.5 Hours: 3-0
Formerly: 465
Modernist Poetry
A course on three major international Modernist English-language poets. Poets to be studied may include: Ezra Pound, H.D., T.S. Eliot, William Carlos Williams, Marianne Moore, Gertrude Stein, W.B. Yeats, Mina Loy.
Note: Credit will be granted for only one of 435, 465.

ENGL 436A Units: 1.5 Hours: 3-0
Formerly: part of 436
20th Century British Fiction to World War II
Fiction of the British Isles in the first half of the 20th Century. Emphasis is both critical and historical. Students are urged to form their own judgments with little reference to the works of critics. Authors may include Joseph Conrad, E.M. Forster, James Joyce, Virginia Woolf, D.H. Lawrence, Evelyn Waugh, Samuel Beckett, and Graham Greene.
Note: Credit will be granted for only one of 436A, 436.

ENGL 436B Units: 1.5 Hours: 3-0
Formerly: part of 436
20th Century British Fiction After World War II
Fiction of the British Isles in the second half of the 20th Century. Emphasis is both critical and historical. Students are urged to form their own judgments with little reference to the works of critics. Authors may
include Evelyn Waugh, Kingsley Amis, Raymond Fowles, 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.

This year: Is Canada Post-Colonial?
A consideration of the usefulness of post-colonial theoretical and critical approaches to Canadian literature. An introduction to Canadian literary nationalism, its goals and limitations, as well as contemporary criticisms of nationalist literature and recent theorizing about the role of race in Canadian writing. Canada as a “Second World” culture, where the dynamics of power are most visible. Authors to be considered include Margaret Atwood, Dennis Lee, George Elliot Clarke, Dionne Brand, Thomas King; theorists such as Diana Brydon, Daniel Coleman, and Stephen Slemion.

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, ecocritical, gender, and subaltern movements; works by such authors as Conrad, Rushdie, Hecht, 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: South Asian Literature and Film
Recent South Asian literatures and film in the context of postcolonial theories and studies. Topics to be covered: the making of a nation; histories of independence and nationalism in the Indian-subcontinent; the experience of Partition; religious movements and identities; representations of gender and sexuality; caste and the body; subaltern studies; experiences of the South Asian diaspora.

Note: Credit will be granted for only one of 439B, 439.

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 444 Units: 1.5 Hours: 3-0

Special Studies in Contemporary Literature
A study of a major theme, problem, genre or author in Canadian Literature, determined by the instructor and advertised annually.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 447A Units: 1.5 Hours: 3-0

Modern Canadian Fiction
A study of modern realist Canadian fiction of the early and mid-twentieth century addressing questions of nationalism and regionalism, the representation of gender and ethnicity. May include fiction by writers such as MacLennan, Wiseman, Marilyn, Grove, Wilson, Watson, and Ross.

ENGL 447B Units: 1.5 Hours: 3-0

Contemporary Canadian Fiction
A study of contemporary realist and other forms of recent Canadian fiction, including historiographic and experimental metafiction. Post-structuralist critique of representation and challenges to the canon by systemic minority, aboriginal, and feminist writing. Writers may include Marliatt, Bowering, Lai, Ondaatje, Brand, and King.

ENGL 448 Units: 1.5 Hours: 3-0

Modern Canadian Poetry
A study of forms and historical contexts of modern Canadian poetry. The modernist reaction against Victorian poetic diction; poetry and nationalism; the importance of women and ethnic poets; the role of the poet and the professionalization of poetry; some attention to the long poem. Writers may include Binyon, Scott, Livesay, Purdy and Klein.

Note: Credit will be granted for only one of 452, 397.

ENGL 449 Units: 1.5 Hours: 3-0

Contemporary Canadian Poetry
Canadian poetry since 1970, with an emphasis on recently-published works. Environmental and social activist voices, as well as writing based in post-struc- turalist theories of language. May include works by Scofield, Kroetsch, Moure, Carson, McKay, and Zwick.

Note: Credit will be granted for only one of 453, 397.

ENGL 450 Units: 1.5 Hours: 3-0

Modern Canadian Fiction I
A study of modern realist Canadian fiction of the early and mid-twentieth century addressing questions of nationalism and regionalism, the representation of gender and ethnicity. May include fiction by writers such as MacLennan, Wiseman, Marilyn, Grove, Wilson, Watson, and Ross.

ENGL 451 Units: 1.5 Hours: 3-0

Contemporary Canadian Fiction
A study of contemporary realist and other forms of recent Canadian fiction, including historiographic and experimental metafiction. Post-structuralist critique of representation and challenges to the canon by systemic minority, aboriginal, and feminist writing. Writers may include Marliatt, Bowering, Lai, Ondaatje, Brand, and King.

ENGL 452 Units: 1.5 Hours: 3-0

Modern Canadian Poetry
A study of forms and historical contexts of modern Canadian poetry. The modernist reaction against Victorian poetic diction; poetry and nationalism; the importance of women and ethnic poets; the role of the poet and the professionalization of poetry; some attention to the long poem. Writers may include Binyon, Scott, Livesay, Purdy and Klein.

Note: Credit will be granted for only one of 452, 397.

ENGL 453 Units: 1.5 Hours: 3-0

Contemporary Canadian Poetry
Canadian poetry since 1970, with an emphasis on recently-published works. Environmental and social activist voices, as well as writing based in post-struc- turalist theories of language. May include works by Scofield, Kroetsch, Moure, Carson, McKay, and Zwick.

Note: Credit will be granted for only one of 453, 397.

ENGL 454 Units: 1.5 Hours: 3-0

Canadian Literature in Transnational Times
Canadian literature read in contexts of globalization past and present; the cosmopolitan character of

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Canadian writing reflecting migration across diverse cultures and geographies; questioning of what counts as Canadian literature, and of national citizenship and identity. Writers may include Jann Martel, Rohinton Mistry, Anita Badami, Jaspreet Singh and Larissa Lai.

ENGL 456 Units: 1.5 Hours: 3-0

Literature of British Columbia
A study of the ways in which British Columbia is represented in literature; will include such authors as Ethel Wilson, Howard O’Hagan, George Bowering, Jack Hodgins, Daphne Marlatt, Martin Allardelle Grainger, Emily Carr.

ENGL 457 Units: 1.5 Hours: 3-0

Literary and Cultural Criticism in Canada
Readings in the history of Canadian criticism, covering a range of feminist, poststructuralist, postcolonial, Marxist, diasporic, queer, and ecocritical approaches to issues in literature and culture. Writers may include E.K. Brown, Northrop Frye, George Grant, Linda Hutcheon, Frank Davey, Thomas King, Nicole Brossard, Terry Goldie, Diana Brydon, Len Findlay, Daniel Coleman and Pamela Bankling.

ENGL 458 Units: 1.5 Hours: 3-0

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 Course and 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 Literature
A survey of early texts and their influences on the development of Canadian literature before the twentieth century. Genres may include exploration and settler writing, short fiction, poetry, historical narratives, cultural documents, and the novel. Writers may include Richardson, Halliburton, Kirby, Moodie, Dunstan, and Roberts.

ENGL 460 Units: 1.5 Hours: 3-0
Formerly: 444

History of Critical Theory
A seminar in the history of critical theory, with a study of its relation in practice to specific genres and styles.

Note: Credit will be granted for only one of 460, 446.

ENGL 461 Units: 1.5 Hours: 3-0

Introduction to Contemporary Literary Theory
Literary theory studies what literature is, how it functions, and how it produces meaning. On the one hand, literary theory illuminates the norms, conventions, and rules that make literature possible. On the other hand, literary theory reflects on the function and meaning of criticism itself. Students will become familiar with such theories as New Criticism, Structuralism, Psychoanalytic theory, Hermeneutics, Deconstruction, Marxist Criticism, and Feminist Criticism; they will then be able to work with theoretical concepts, issues, and terminology.

Note: Credit will not be given for both 461 and any of 447, 467, and 468.

ENGL 462 Units: 1.5 Hours: 3-0

Studies in Modern Critical Theory
A study of selected topics in modern literary theory and criticism. The specific topic will be advertised annually.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.
### ENGL 463: Units: 1.5 Hours: 3-0
**Studies of Women and Critical Theory**
A variable content course on issues relating to women in the context of different theoretical approaches.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

### ENGL 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 in literary and critical theory from the first half of the twentieth century. Examines the theories in themselves and considering how they emerged from their historical matrices. Includes theoretical developments in continental Europe, such as Russian Formalism and the Marxist tradition of literary analysis.

**Note:** Credit will be granted for only one of 467, 448, 461.

### 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. Covers poststructuralist strategies (in deconstruction, psychoanalysis, new historicism, and feminism) and the "politicization of aesthetics" (in neo-Marxist theory, postcolonialism, gender studies and cultural studies). Literary texts in relation to capitalist, patriarchal, Eurocentric, and heteronormative discourses.

**Note:** Credit will be granted for only one of 468, 448, 461.

### 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: Construction of Gender and Sexuality in Postcolonial Literature

Analysis of constructions of gender identity and sexuality in postcolonial literature. Focus on how sexual identities are shaped through cultural practices and institutions with attention to how identity is produced through hybridized sites in postcolonial locations. Discussion and lectures will address masculinity and femininity as culture-specific, how postcoloniality contributes to an understanding of diverse forms of sexual identity, and how relationship exists between colonialism and patriarchy as it is constructed in literary texts.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

### ENGL 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 200B/200C; students without these courses should obtain the instructor's advice about background reading before the course begins.

### ENGL 474: Units: 1.5 Hours: 3-0
**Women Writers From the Age of Sensibility to the Victorian Era**
An examination of women writers from Burney to Eliot; major literary genres; social, political, and spiritual issues; interaction with male writers; formation of distinctive literary traditions and relationships.

**Prerequisites:** Strongly recommended: 150/151, 200 or 200B/200C; students without these courses should obtain the instructor's advice about background reading before the course begins.

### ENGL 475: Units: 1.5 Hours: 3-0
**Special Studies in Ethnic American Literature**
A study of a one or more twentieth-century minority American literary traditions, including African American, Asian American, Latin/o, Native American, Jewish American, Arab American and others.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

### ENGL 476: Units: 1.5 Hours: 3-0
**Indigenous and Diasporic Literature in Canada**
Comparative analysis of indigenous and diasporic writing emerging out of colonialism and migration. Writers may include Thomas King, Tomson Highway, Eden Robinson, M.G. Vassanji, Shani Mootoo and Madeline Thien.

### ENGL 477: Units: 1.5 Hours: 3-0
**Indigenous Literature in English**
A study of writing by established and emergent Indigenous writers. Approaches may be comparative or international in perspective. Readings will consider the devices, tropes, narratives, discourses and genres that have been used to represent and give voice to indigenous peoples. May include authors from a particular region or be more broadly global in reach. The approach to texts will be dialogic and historically-informed.

### ENGR 020: Units: 0 Hours: 1-0
**Introduction to Professional Practice**
Awareness of the role and responsibilities of Professional Engineers in society with respect to the environment, ethics, equity, public and worker safety and health considerations. Introduction to technical and other forms of work term and/or work experience report preparation, understanding national and international engineering codes and standards, WCB standards, engineering logbooks. Development of effective interview techniques, skill assessment and analysis, career management and development. Preparation of resumes and cover letters.

**Grading:** CM, F or N.
ENGR 240  Units: 1.5  Hours: 3-0
Technical Writing
This course will focus on searching and referencing methods used in dealing with scientific and technical literature and on the characteristics of effective technical and scientific style. The emphasis throughout will be on clarity, conciseness, and consistency. Students will acquire practical experience in the writing of short technical documents such as memoranda, letters and abstracts, longer forms such as reports, papers, and theses, and instructional forms such as manuals, brochures, and specifications.
Note: Credit will be granted for only one of 240, ENGL 225, ENGL 226, ENGL 240.
Prerequisites: ENGL 115 or 135.

ENGR 280  Units: 1.5  Hours: 3-0
Engineering Economics
Prerequisites: MATH 133 or 233A
Pre- or corequisites: STAT 254 or 260

ENGR 297  Units: 1.5  Hours: 3-0
Technology and Society
This course introduces the student to the effects of technology on society. The ethical, environmental, cultural, social, economic and political issues raised by technological change will be emphasized. The concepts of sustainable development and environmental stewardship will be discussed.
Pre- or corequisites: ENGR 240 or ENGL 225 or 240.

ENGR 400  Units: 1.5  Hours: 0-6
Sustainable Energy Systems Design Project
Students, working in teams and under the supervision of a faculty member, will undertake a significant engineering design project related to sustainable energy systems. Projects are interdisciplinary, industry-based and span the full range of the design process from client needs analysis to physical or virtual prototype.
Prerequisites: Permission of the student’s Department Chair or, for BEng students, the Program Director.

ENGR 446  Units: 1.0  Hours: 3-3
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.

ENGR 466  Units: 3.0  Hours: 0-6
Integrated Mechatronics and Embedded Systems Project
Students will undertake a significant design project working in multidisciplinary teams. The focus of the project will be the development of a Mechatronics/Embedded System for a specified industrial application. The objective of the project will be to develop and test a full or partial prototype.
Note: Open only to students in an MES option or program or by pre- and corequisites.
Prerequisites: MECH 350 and 360 and one of MECH 405 or MECH 458 or CSC 230 or CENG 255.
Corequisites: MECH 435.

ENG 498  Units: 1.5  Hours: 3-0
Engineering Law
Sources and classification of law; professional engineering legislation, registration and discipline; introduction to tort law including negligence; introduction to contract law including employment law. Ethics in professional practice.
Prerequisites: Completion of terms 1A to 3B.

ENT 402  Units: 1.5  Hours: 3-0
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.

ENT 410, 411, 412, 413  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 overview...
COURSE LISTINGS

EOS 120 Units: 1.5 Hours: 3-3
Also: GEOG 120
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.

Note: Credit will be given for only one of EOS 120, GEOG 120, GEOG 203A, GEOG 213, GEOG 217.

EOS 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 EOS 216) or (120 or GEOG 120 or EOS 217); GEOG 205.

EOS 202 Units: 1.5 Hours: 3-3
Structural Geology
Geometric, kinematic and dynamic analysis of deformation structures in rock bodies at different scales, in both brittle and ductile regimes. Stress and strain in rocks and their relationship to geologic structures. Interpretation of the physical mechanisms of folding and faulting in rocks with structural data and geologic maps. The origin of crustal deformation in the context of plate tectonics.

Prerequisites: Two of 100, 101, (110 or GEOG 110 or EOS 216) or (120 or GEOG 120 or EOS 217).

EOS 205 Units: 1.5 Hours: 3-3
Mineralogy
Introduction to the fundamental principles and concepts of mineralogy and optical mineralogy. A practical and systematic treatment of the common rock-forming minerals and mineral groups. Emphasis will be placed on understanding the behaviour of minerals in relation to changes in physical and chemical conditions in igneous, metamorphic, and sedimentary environments.

Prerequisites: Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (EOS 120 or GEOG 120 or EOS 217);
CHEM 101, 102.

Pre-requisites: CHEM 245.

EOS 210 Units: 1.5 Hours: 3-0
Also: PHYS 210
Introductory Geophysics
Introduction to seismology, gravity, geomagnetism, paleomagnetism and heat flow, and how they contribute to our understanding of whole Earth structure and plate tectonics.

Note: Credit will be granted for only one of 210, PHYS 210.

Prerequisites: Any one of PHYS 112, 120 or 122; MATH 100 and 101.

EOS 240 Units: 1.5 Hours: 3-3
Geochemistry
Thermodynamic and kinetic approaches to understanding the Earth system. Application of theory to practical questions such as mineral formation, weathering, water quality, and petroleum formation. Also covered is short-term ocean and atmospheric geochemistry and long-term Earth history geochemistry.

Note: Credit will be granted for only one of 240, 360 if 360 was taken prior to Winter 1993-94.

Prerequisites: Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217); CHEM 245.

EOS 260 Units: 1.5 Hours: 3-0
Earth System Evolution through Deep Time
Earth evolution has involved long periods of stability punctuated by catastrophic irreversible crises. This course focuses on multidisciplinary research into the causes and consequences of key planetary crises including: birth of the moon, the great oxidation event, the Neoproterozoic snowball Earth, the great Permain extinction, and the Cretaceous superplume. Implications for the future evolution of the Earth System are investigated.

Pre-requisites: Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217).

EOS 300 Units: 1.5
Earth Science Field School
An up to two-week field course in and around southern Vancouver Island during which the students will be introduced to geological fieldwork (mapping, traversing, drawing sedimentary logs, sampling, recording field notes) and the regional geology and tectonics of Vancouver Island. Normally held in late April early May after examinations for Year 2.

Prerequisites: 201, 202, 205.

EOS 311 Units: 1.5 Hours: 3-3
Also: BIOL 311 (formerly BIOL 311B)
Biological Oceanography
An introduction to the sources, distribution, and transport of chemical constituents of the ocean, and the role of different plate tectonic settings in controlling the temperature, salinity, and horizontal distributions of ocean constituents; air-sea interactions; production, export, and remineralization of organic matter; the ocean carbon cycle; human-induced changes; stable isotopes and trace elements.

Note: Credit will be granted for only one of 311, BIOL 311, BIOL 311B.

Prerequisites: MATH 100 or 102, PHYS 102 or 112, and CHEM 101/102; BIOL 215 recommended.

EOS 312 Units: 1.5 Hours: 3-3
Introductory Chemical Oceanography
An introduction to the oceanographic processes and the physical and chemical processes governing the distribution of chemical species in the ocean. An introduction to the geochemical processes that control the formation and evolution of ocean basins.

Note: Credit will be granted for only one of 311, 312, 320, and for only one of 316 or 320.

Prerequisites: 205, 240, CHEM 245.

EOS 330 Units: 1.5 Hours: 3-3
Paleobiology
Processes and patterns in the evolution of life through time: extinction, evolution and diversification as recognized from the fossil record. Major events in the history of life. The relationship of biotas to depositional systems: paleoecology, biostatigraphy and paleobiogeography. The major groups of microfossils and invertebrates will be studied with emphasis on their applications in Earth Sciences. Laboratories and field trips will provide illustrative fossil examples.

Note: Credit will be granted for only one of 330, 360.

Prerequisites: 201, and BIOL 12 or BIOL 150A, or permission of department.

EOS 335 Units: 1.5 Hours: 3-3
Formerly: Part of 430
Isotopes in Geosciences
Basic principles controlling isotope distribution, including natural abundances, radiogenic decay, equilibrium and kinetic isotope effects. Applications of the principles in the fields of: Earth history—global processes and chronology; mineralization—diagenesis, catagenesis; hydrogeology and characterization of water and air masses; and biogeochemistry and biological fractionation isotopes.

Note: Credit will be granted for only one of 335, 430.
Prerequisites: 240, or permission of department.

EOS 340 Units: 1.5 Hours: 3-0-1

Atmospheric Sciences
Introduction to the fundamental processes and forces governing the Earth's weather and climate. Specific applications such as weather systems and global climate change. Topics include clouds, precipitation, typhoons, thunderstorms, cyclones, air-sea interaction, El Nino, greenhouse effect, ozone hole, and acid rain.

Prerequisites: PHYS 102, 112 or 120 or permission of department.
Pre- or coresquisites: MATH 200 or 205, and 201.

EOS 350 Units: 1.5 Hours: 3-0

Understanding the World's Oceans
Highlights the scientific basis of current topics and issues affecting the world's oceans. Focus may include: deep-sea exploration, mineral exploitation, El Nino, climate change, ocean circulation, waste disposal, food chains and/or 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, honors, or combined degree programs.

Prerequisites: Second-year standing.

EOS 365 Units: 1.5 Hours: 3-0

Climate and Society
A survey of the climate system and its interaction with the past, present, and future societies. Topics include: climate change and the onset of agriculture/domestication, climate change and the rise and fall of early civilizations, the anthropocene and global warming. The interplay between science, media, public relations and public policy will also be addressed.

Prerequisites: Third-year standing.

EOS 370 Units: 1.5 Hours: 3-0

Earthquakes, Volcanoes and Geologic Hazards
An overview of geologic hazards including earthquakes, volcanoes and tsunamis, in the context of plate tectonics and their impact on human development. Particular attention is given to geologic hazards of the Pacific Northwest (Cascadia) and to important historical natural disasters.

Note: Course may not be used as credit toward SEOS general, major, honors or combined degree programs.

Prerequisites: Second-year standing.

EOS 400 Units: 1.5

Advanced Field School
An up to two-week field trip through the Southern Canadian Cordillera, examining the rock units and structures of the major tectonic elements in southern British Columbia, and Alberta. Parallels, where possible, recent COCORP and LITHOPROBE seismic survey routes. Introduces the complex evolutionary states of the western margin of North America. Normally held in late August to early September, prior to registration.

Prerequisites: 300; 316 or 310 and 320; or permission of department; 330 strongly recommended.

EOS 403 Units: 1.5 Hours: 3-0

Global Biogeochemical Cycles
Organic matter is studied from its formation (primary production) through its transformation and destruction during transport, 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, 335 or 430; or permission of department.

EOS 408 Units: 1.5 Hours: 3-0

Marine Geology
A combined lecture and seminar course covering modern marine geological processes in a wide range of oceanic environments: mid-ocean ridges, mid-plate volcanoes and hot spots, coastline, continental margins and abyssal plains. Modern methods of data collection and analysis, including theo rizing the ocean.

Prerequisites: 201, 316 or 310, or permission of department.

EOS 410 Units: 1.5 Hours: 3-0-1

Global Tectonics
A study of global tectonic systems including geologic, 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 department.

EOS 416 Units: 1.5 Hours: 3-3

Formerly: Part of 310 and 320.

High Temperature Petrology
The thermodynamic and kinetic principles controlling the origin and behavior of rocks at high temperatures and pressures. Thermodynamic and kinetic relations in igneous and metamorphic systems applied to understanding the petrogenesis of magmatic and metamorphic rock suites. Applications to the geodynamic, hydrothermal and tectonic evolution of the Earth and terrestrial planets.

Prerequisites: 316 or 310 or 320, 335 or 430

EOS 420 Units: 1.5 Hours: 3-3

Resource Geology
A geological study of the major types of economically important metallic and nonmetallic minerals and other earth resources, basic processes of ore formation, exploration and mining techniques. The impacts of these activities on the environment are also considered.

Note: This course alternates with EOS 422.

Prerequisites: 201
Pre- or coresquisites: 316, or 310 and 320, or permission of department.

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 resource systems. The focus is on conventional oil and gas, coal, CBM and tar sands, including modes of formation, accumulation and recovery, along with the mechanisms of migration and trapping. Canadian examples of petroleum systems and basin modeling augment the material. To a lesser degree, other energy sources are looked at, such as nuclear fuels, solar, hydrogen, geothermal, biogas, wind, and tidal, as well as related socio-economic-environmental issues.

Note: Credit will be granted for only one of 422, 420 if 420 taken prior to Winter 2004.

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 hydrosphere? Principles of chemical equilibrium and kinetics are applied to the major aspects of the global hydrochemical cycle. Investigates reactions and sources and sinks of elements in oxic and anoxic aquatic systems such as rainwater, rivers, lakes, groundwater, estuaries, and oceans; also the application of natural and anthropogenic tracers to geochemical problems within aquatic systems.

Prerequisites: 240 and 335 or 430; or Third Year Chemistry; or permission of department.

EOS 427 Units: 1.5 Hours: 3-0

Also: PHYS 427

Geophysics
Principles of seismology, gravity, geomagnetism, heat flow, and how they contribute to our understanding of the whole Earth structure and plate tectonics.

Note: Credit will be granted for only one of 427, PHYS 427. Generally offered in Spring of odd numbered years.

Prerequisites: 220, 236.
Pre- or coresquisites: MATH 330B or 388, and 326.

EOS 431 Units: 1.5 Hours: 3-0

Physical Oceanography
Physical properties of sea water, equation of state, gravitational stability, large-scale ocean currents, meridional distribution of salinity and temperature, surface heat budgets, water masses, estuary flows.

Pre- or coresquisites: PHYS 112, MATH 205 or 200, 201; or permission of department.

EOS 433 Units: 1.5 Hours: 3-0

The Climate System
Studies of the Earth's climate require an understanding of the intimate links between the hydrosphere, atmosphere, cryosphere and biosphere. Basic theories of the dynamics of ocean and atmosphere. The physics and biogeochemistry of coupled models are examined with emphasis on simple intution-building mathematical models as well as discussion of large computer models.

Pre- or coresquisites: 340, 431; MATH 326, 330B; PHYS 317, 321A, 325, 426; or permission of department.

EOS 435 Units: 1.5 Hours: 3-0

Waves in the Ocean
The mathematical theories and physics of surface gravity waves, internal waves, Rossby waves and other wave motions in the ocean are introduced, with an emphasis on general results that describe the effects on the waves of variable properties of the medium, and the back effects of the waves on the mean flow.

Pre- or coresquisites: 431; MATH 326, 330B; PHYS 317, 321A, 325, 426; or permission of department.

EOS 440 Units: 1.5 Hours: 3-3

Hydrogeology
Interdisciplinary and quantitative approaches to the nature and migration of fluids in the Earth's crust. Theory of groundwater flow in fractured and porous media. Surface-groundwater interactions and changes in water quality; well flow; waste disposal; groundwater contamination.

Prerequisites: 240, MATH 200 or 205, and MATH 201; or permission of department.

EOS 450 Units: 1.5 Hours: 3-0

Quaternary Geology
The methods and theory of Quaternary research, stressing the processes of interaction between the geosphere and biosphere. Topics include dating methods, paleoenvironmental studies, glaciation and global change, geological hazards, interdisciplinary research and applied studies, particularly the influence for engineering design.

Prerequisites: 201 and 240; or permission of department.

EOS 460 Units: 1.5 Hours: 3-3

Earth System Science
An examination of the interrelationships between the complex systems operating in the solid Earth, hy-
**Course Listings**

**Drosophila, Atmosphere and Biosphere; Methods of Systems Analysis for the Planet; Modelling of Global Processes.**

**Prerequisites:** 260, 335 or 430, and completion of at least two other EOS courses numbered 300 or above (excluding 350, 360, 365, and 370).

**EOS 480**  
**Units:** 1.5  
**Hours:** 3-3  
**Applied Geophysics**  
An introduction to geophysical methods used in resource exploration and in investigations of crustal structure. Topics include principles and applications of seismic, gravity, magnetic, electrical and electromagnetic methods. Emphasis will be placed on interpretation of geophysical data for Earth structure.  
**Prerequisites:** Fourth-year standing in SEOS or Physics; or permission of department.

**EOS 490**  
**Units:** 1.5 or 3.0  
**Directed Studies in Earth and Ocean Sciences**  
With the consent of the School and the faculty member concerned, a student may be permitted to pursue a course of directed studies.  
**Note:** Students may not take more than 3 units of 490 studies.

**EOS 499**  
**Units:** 3.0  
**Honours Thesis**  
A research project conducted under the direction of faculty.  
**Prerequisites:** Permission of Honours Adviser.  
**Grading:** INP, letter grade.

**EPHE**

**Exercise Science, Physical and Health Education**

**School of Exercise Science, Physical and Health 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, EPHE, IA, IET, ME.

*The following courses, EPHE 104-136, are intended for students pursuing degrees in exercise science, physical and health education (BEd. BA and BSc). They are designed to develop each participant's level of performance, ability to analyze skills, and understanding of strategies or concepts within the particular activity.*

**Maximum Credit for EPHE 104-136 courses in degree programs offered by the Faculty of Education is specified in section 7.4. Students in Exercise Science, Physical and Health Education programs are expected to complete most of the required EPHE 104-136 courses in the first two years.**

**EPHE 104**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 104  
**Special Activity**  
**Note:** With special permission, may be taken more than once for credit in a degree program.

**EPHE 105**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 105  
**Swimming**  
**Note:** Credit will be granted for only one of 105, PE 105.

**EPHE 106**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 106  
**Track and Field**  
**Note:** Credit will be granted for only one of 106, PE 106.

**EPHE 107**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 107  
**Gymnastics:** I  
**Note:** Credit will be granted for only one of 107, PE 107.

**EPHE 109**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 109  
**Recreational Dance**  
**Note:** Credit will be granted for only one of 109, PE 109.

**EPHE 113**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 113  
**Golf**  
**Note:** Credit will be granted for only one of 113, PE 113.

**EPHE 114**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 114  
**Creative Dance**  
**Note:** Credit will be granted for only one of 114, PE 114. Not offered every year.

**EPHE 116**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 116  
**Badminton**  
**Note:** Credit will be granted for only one of 116, PE 116.

**EPHE 117**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 117  
**Tennis**  
**Note:** Credit will be granted for only one of 117, PE 117.

**EPHE 119**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 119  
**Contemporary Dance**  
**Note:** Credit will be granted for only one of 119, PE 119. Not offered every year.

**EPHE 120**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 120  
**Basketball**  
**Note:** Credit will be granted for only one of 120, PE 120.

**EPHE 121**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 121  
**Soccer**  
**Note:** Credit will be granted for only one of 121, PE 121.

**EPHE 122**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 122  
**Volleyball**  
**Note:** Credit will be granted for only one of 122, PE 122.

**EPHE 123**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 123  
**Rugby**  
**Note:** Credit will be granted for only one of 123, PE 123. Offered in alternate years.

**EPHE 124**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 124  
**Field Hockey**  
**Note:** Credit will be granted for only one of 124, PE 124. Offered in alternate years.

**EPHE 125**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 125  
**Softball**  
**Note:** Credit will be granted for only one of 125, PE 125. Offered in alternate years.

**EPHE 126**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 126  
**Orienteering**  
**Note:** Credit will be granted for only one of 126, PE 126.

**EPHE 133**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 133  
**Strength Training**  
**Note:** Credit will be granted for only one of 133, PE 133.

**EPHE 134**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 134  
**Yoga**  
**Note:** Credit will be granted for only one of 134, PE 134.

**EPHE 135**  
**Units:** 0.5  
**Hours:** 2-0  
**Formerly:** PE 135  
**Martial Arts**  
**Note:** Credit will be granted for only one of 135, PE 135. Offered in alternate years.

**EPHE 136**  
**Units:** 0.5  
**Hours:** 2-0  
**Lacrosse**  
**Note:** Credit will be granted for only one of 136, PE 136  
104 Special Activity: Lacrosse.

**EPHE 141**  
**Units:** 1.5  
**Hours:** 3-2  
**Formerly:** PE 141  
**Introductory Human Anatomy**  
A lecture and laboratory format is used to introduce the study of human structure. This includes examination of cells, tissues, organs, systems and their interrelationships. Structural components of all physiological systems including cardiorespiratory, digestive, excretory, reproductive systems and those involved in human movement will be studied. Labs include the use of human skeletons, anatomical charts, models and full-colour digital images.  
**Note:** Credit will be granted for only one of 141, PE 141.

**EPHE 142**  
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** PE 142  
**Personal Health, Wellness and Potential**  
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.  
**Note:** Credit will be granted for only one of 142, PE 142.

**EPHE 143**  
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** PE 143  
**Multidisciplinary Foundations of Physical Activity**  
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 psychosocial foundations of physical education and discuss a wide range of contemporary issues as they affect physical activity and active living.  
**Note:** Credit will be granted for only one of 143, PE 143.
EPHE 245 Units: 1.5 Hours: 3-0
Formerly: PE 155
Introduction to Nutrition: Concepts and Controversies
The basics of diet planning, dietary guidelines and weight management will be covered through the application and demonstration of nutritional principles and their relationship to health. Controversial topics such as ergogenic aids, vitamin and mineral supplementation, alcohol, diets and organic foods will be discussed using a balanced view of scientific evidence. This introductory course is suitable for students with personal and/or professional interest in nutrition.
Note: Credit will be granted for only one of 155, PE 155.

EPHE 200 Units: 0.0 Hours: 1.5-0
Co-op Seminar: Introduction to Professional Practice
This seminar will discuss the nature of co-operative education experiential education expectations, how to bring learning into the co-op experience, and the services provided by the EPHE Co-op Office. Advice on how to: apply for and succeed in co-op placements, write about the experience and assist in job development. Attendance at this non-credit course is a mandatory requirement for all RHEED students and KINE Co-operative Education students.
Note: Offered in the September to December academic term.
Grading: COM, F or N.

EPHE 241A Units: 1.5 Hours: 3-2
Formerly: PE 241A
Introduction to Human Cellular Physiology
The study of the molecular and cellular functions in humans with emphasis on homeostasis, cellular transport, protein synthesis, energy metabolism, cellular control, and blood as a tissue.
Note: Credit will be granted for only one of 241A, PE 241A.

EPHE 241B Units: 1.5 Hours: 3-2
Formerly: PE 241B
Introduction to Human Systemic Physiology
The study of the integrated functions of physiological systems with emphasis on the nervous, endocrine, muscular, cardiovascular and respiratory systems.
Note: Credit will be granted for only one of 241B, PE 241B.
Prerequisites: 141 or PE 141

EPHE 243 Units: 1.5 Hours: 3-0
Formerly: PE 243
Foundations of Recreation and Leisure
An introduction to the nature and scope of recreation; a consideration of past influences and future trends; the role of the recreational professional.
Note: Credit will be granted for only one of 243, PE 243.

EPHE 244 Units: 1.5 Hours: 3-0
Formerly: PE 244
Canadian Recreation Delivery Systems
An overview of the development and delivery of recreational programs in Canada. Canadian federal, provincial, municipal, private and volunteer agencies are described and analyzed.
Note: Credit will be granted for only one of 244, PE 244.

EPHE 245 Units: 1.5 Hours: 3-2
Formerly: PE 245
Motor Learning
Neural and cognitive processes underlying human skilled action and the factors that influence learning and control of these actions. Ways in which the human motor system enables the acquisition and retention of complex movement skills and implications for the design of instructional situations to support retention and optimal performance of skilled actions.
Note: Credit will be granted for only one of 245, PE 245.

EPHE 246 Units: 1.5 Hours: 3-0
Formerly: PE 144, PE 246
Active Health
This course will review health topics outlined in the BC Ministry of Education's IRPs for Physical Education and Career and Health and Career Education. The course will also focus on how physical education teachers can use student-centred learning approaches to encourage students to become active advocates for their own health. Topics may include Quality Daily Physical Education, Active Living, eating disorders, stress management, nutrition, and personal and school health planning.
Note: Credit will be granted for only one of 246, PE 246, PE 144.

EPHE 252 Units: 1.5 Hours: 3-0
Formerly: PE 252
Leadership Methods For Recreation and Health Education
Theoretical and practical introduction to leadership, teaching, communication, and decision making skills in recreation/leisure services, sport, and fitness. Field experience is required as part of this course.
Note: Credit will be granted for only one of 252, PE 252.

EPHE 253 Units: 1.5 Hours: 3-0
Formerly: PE 253
Program Planning
An analysis and application of theoretical and practical approaches for developing effective recreation/leisure services, sport, fitness, wellness, and health promotion programs.
Note: Credit will be granted for only one of 253, PE 253.

EPHE 270 Units: 1.5 Hours: 3-0
Formerly: PE 270
Foundations of Outdoor Recreation
Exploration of the outdoor environment as a venue for leisure and educational experiences. Leadership roles in environmental protection, influence on participants' behaviour and quality of experience are examined. Other topics include survey and investigation of theoretical and common definitions of outdoor recreation, outdoor education and interpretation; delivery systems, populations and special interest groups; planning; environmental ethics, safety, and health; ecotourism.
Note: This course does NOT include an experiential component. Credit will be granted for only one of 270, PE 270.

EPHE 310 Units: 1.5 Hours: 3-0
Formerly: PE 310, part of PE 304
Physical Education For General Classroom Teachers: A
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, PE 247, 304, 310, or EDUC 304. Students with credit for 310 and/or 311 may not receive credit for 312.
Prerequisites: Acceptance in the Bachelor of Education Elementary Education program.

EPHE 311 Units: 1.5 Hours: 3-0
Formerly: PE 311, part of PE 304
Physical Education For General Classroom Teachers: B
This course will help students extend and refine the knowledge and pedagogical skills included in EPHE 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, PE 247, 304, 311, or EDUC 304. Students with credit for 310 and/or 311 may not receive credit for 312.
Prerequisites: EPHE 310 or PE 310 and acceptance in the Bachelor of Education Elementary Education program.

EPHE 312 Units: 1.5 Hours: 3-0
Formerly: PE 312, part of PE 304
Overview of Elementary School Physical Education
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 learner. A variety of teaching experiences with peers and elementary school-age children will be included.
Note: Credit will be granted for only one of 312, PE 312, 247, 304, or EDUC 304. Students with credit in 312 may not receive credit for 310 and/or 311.
Prerequisites: Acceptance in the Post-Degree Elementary Education program.

EPHE 341 Units: 1.5 Hours: 3-2
Formerly: PE 141
Biomechanics
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.
Note: Credit will be granted for only one of 341, PE 341.

EPHE 342 Units: 1.5 Hours: 3-0
Formerly: PE 342
History of Physical Education
Interpretative study and analysis of physical education and sport through their historical development; current trends, social and cultural implications; relationships to education.
Note: Credit will be granted for only one of 342, PE 342. Offered in alternate years.

EPHE 344 Units: 1.5 Hours: 2-1
Formerly: PE 344
Care and Prevention of Athletic Injuries
This course is designed as an introduction to general athletic training practices. Topics to be covered include safe environments, identifying risk factors associated with specific sports, legal responsibilities and documentation, developing and implementing emergency protocols for crisis procedures, and basic taping and strapping techniques. This course also includes a 40-hour practical experience with a local sport team.
Note: Credit will be granted for only one of 344, PE 344.
Prerequisites: 141 or PE 141 and 241B or PE 241B or equivalent.
EPHE 346  Units: 1.5  Hours: 3-0  
Formerly: PE 346  
Motor Development and Physical Maturation  
An overview of motor development and maturation from the neonate to adulthood and old age. Special attention will be given to the growth and motor development characteristics of children and adolescents. Note: No prerequisite required but a background in anatomy is recommended. Credit will be granted for only one of 346, PE 347.  

EPHE 347  Units: 1.5  Hours: 3-0  
Formerly: PE 347  
Sport in Society  
This course studies the historical use of sport as an expression of culture, ideology, and political philosophy. The course compares the way in which sport is used as a means of developing national pride and international stature. It also considers how the commercialization of sport has made it a money-making vehicle for countries, cities, multi-national corporations, and television networks. Note: Credit will be granted for only one of 347, PE 347. Offered in alternate years.  

EPHE 348  Units: 1.5  Hours: 3-0  
Formerly: PE 348  
Psychology of Physical Activity  
An examination of the psychological concepts related to human physical activity behaviour, which includes engagement in exercise and sport. Note: Credit will be granted for only one of 348, PE 348.  
Prerequisites: PSYC 100A/B.  

EPHE 351  Units: 1.5  Hours: 3-0  
Formerly: PE 351  
Community and Population Health  
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; principles of ecology and environmental health. Note: Credit will be granted for only one of 351, PE 351.  

EPHE 352  Units: 1.5  Hours: 3-0  
Formerly: PE 352  
Instructional Techniques in Individual Activities Secondary  
Methods of teaching individual activities to secondary school and related groups. Field experience may be required as part of this course. Note: Reserved for B.Ed. secondary students in the physical education teaching area. Credit will be granted for only one of 352, PE 352.  

EPHE 354A  Units: 1.5  Hours: 3-0  
Formerly: PE 354A  
Administration in Leisure and Health Related Services: I  
A review of general administrative and organizational theories with particular reference to their application in leisure and health related service agencies. Topics include the nature of administration, structure of organizations, policy making, human resource development, change management, meetings, strategic planning and the advancement of partnerships. Note: Credit will be granted for only one of 354A, PE 354A.  
Prerequisites: COOP 001 or RHED 001 or KINE 001 completed or in progress.  

EPHE 354B  Units: 1.5  Hours: 3-0  
Formerly: PE 354B  
Administration in Leisure and Health Related Services: II  
This course takes a detailed look at the budgeting process, financial control, goal setting, risk management and legal liability in leisure and health related service agencies. Although EPHE 354A is not a prerequisite, EPHE 354B is best taken in conjunction with EPHE 354A. Note: Credit will be granted for only one of 354B, PE 354B.  
Prerequisites: Completion of COOP 001 or RHED 001 or KINE 001.  

EPHE 355  Units: 1.5  Hours: 3-0  
Formerly: PE 355  
Functional Anatomy  
The study of the 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 musculotendinous, spinal disorders (injury and/or disease related), and exercise prescription for rehabilitation will also be included. Note: Credit will be granted for only one of 355, PE 355.  
Prerequisites: 241B, PE 241B.  

EPHE 356  Units: 1.5  Hours: 3-0  
Formerly: PE 356  
Principles of Facility Administration  
Study of the concepts and processes of management as they apply to leisure service, recreation, fitness and health facilities. Emphasis on problem-solving techniques used by administrators and managers in the planning, designing, controlling, financing, renovating and maintaining of such facilities. Note: Credit will be granted for only one of 356, PE 356.  
Prerequisites: 241A or PE 241A and 241B or PE 245 or PE 354B.  

EPHE 357  Units: 1.5  Hours: 3-0  
Formerly: PE 357  
Principles of Facility Administration  
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. Note: Credit will be granted for only one of 357, PE 357. Offered in alternate years.  

EPHE 360  Units: 1.5  Hours: 3-2  
Exercise Prescription  
Principles of fitness and the development of exercise programs to enhance health and/or performance of children, adults and special populations including athletes, the elderly and disabled; application of programs in a variety of settings; methods of evaluating physiological adaptation to exercise using laboratory and field experiences. Note: Credit will be granted for only one of 360, PE 360.  
Prerequisites: 141 or PE 141 and PE 241B or PE 241B or equivalents.  

EPHE 361  Units: 1.5  Hours: 3-3  
Formerly: PE 361  
Coaching Studies  
An in-depth study of coaching theory. Students who successfully complete the course will receive the Coaching Association of Canada's Level 1 and 2 theory certification. The course will require a practical coaching experience in a sport of the student's choice.  

EPHE 380  Units: 1.5  Hours: 3-2  
Formerly: PE 380  
Motor Control  
An examination of the neural processes involved in the maintenance of posture, the control of movement, and issues related to understanding the cerebral organization of goal-directed movement. Includes discussion of certain movement disorders and the relationship of the disturbances to stages in the sequence of information processing. Note: Credit will be granted for only one of 380, PE 380.  
Prerequisites: 241B and 245 or PE 2241B and PE 246.  

EPHE 435  Units: 1.5  Hours: 3-0  
Formerly: PE 435, 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 chil-  
dren. 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, PE 435, EDUC 435.  
Prerequisites: EDUC 450.  

EPHE 437  Units: 1.5  Hours: 3-0  
Formerly: PE 437, 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, PE 439, EDUC 445.  
Prerequisites: EDCI 460.  

EPHE 441  Units: 1.5  Hours: 3-2  
Formerly: PE 441  
Exercise Physiology  
The physiological adaptation of the human body to acute and chronic exercise; nutrition for exercise and recovery. Note: Credit will be granted for only one of 441, PE 441.  
Prerequisites: 241A or PE 241A and 241B or PE 241B.  

EPHE 443  Units: 1.5  Hours: 3-0  
Formerly: PE 443  
Organization and Administration of Physical Education  
Nature and function of administration; management of equipment and facilities; organization and management of programs of physical education and athletics; survey of the organization in Canadian schools. Note: Credit will be granted for only one of 443, PE 443.  

EPHE 444  Units: 1.5  Hours: 3-2  
Measurement and Evaluation in Physical Education  
Use of laboratory and field tests in the assessment of physical performance and physique. Test administra-  
tion and interpretation of results. Note: A background in physiology recommended. Credit will be granted for only one of 444, PE 444.
EPHE 445 Units: 1.5 Hours: 3-0
Formerly: PE 445
Developmental and Adaptive Physical Activity
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.
Note: Credit will be granted for only one of 445, PE 445.

EPHE 447 Units: 1.5 Hours: 2-0-2
Formerly: PE 447
Kinesiology Seminar and Practicum
A seminar addressing topics pertinent to the Kinesiology field. The practicum will involve aspects of program planning and, where possible, direct leadership responsibilities.
Note: Credit will be granted for only one of 447, PE 447.
Prerequisites: 253 or PE 253

EPHE 449 Units: 1.5 Hours: 3-0
Formerly: PE 449
Physical Parameters of Aging
The anatomical and physiological changes associated with human aging and the relationships between hypokinetic (inactivity induced) disease, stress, and nutritional habits to aging and the merits of various intervention strategies.
Note: Credit will be granted for only one of 449, PE 449. Offered in alternate years.
Prerequisites: 155 or PE 155, 241B or PE 241B

EPHE 451 Units: 1.5 Hours: 3-0
Formerly: PE 451
Leadership Issues in Fitness, Health and Wellness
This inquiry-based learning course examines current and emerging 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.
Note: Credit will be granted for only one of 451, PE 451. Offered in alternate years.

EPHE 452 Units: 1.5 Hours: 3-0
Formerly: PE 452
Teaching Strategies for Games in Physical Education
Methods of teaching game activities to students in secondary schools and related groups. Field experience is required as part of this course.
Note: Reserved for B.Ed. Secondary students in the Physical Education teaching area. Credit will be granted for only one of 452, PE 452.

EPHE 454 Units: 1.5 Hours: 2-0
Formerly: PE 454
Marketing for Social Change
The study and application of social marketing concepts and strategies to address the problems and challenges facing the recreation profession and provide a synthesis for the graduating student.
Note: Credit will be granted for only one of 454, PE 454.
Prerequisites: Completion of at least 2 co-operative work terms: COOP 001 and RHED 001 or RHED 001 and RHED 002 or RHED 001 and RHED 002 in progress.

EPHE 455 Units: 1.5 Hours: 3-0
Formerly: PE 455
Nutrition for Exercise and Health
The study of nutrition in 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.
Note: Credit will be granted for only one of 455, PE 455.
Prerequisites: 155 or PE 155 and 241B or PE 241B.

EPHE 456 Units: 1.5 Hours: 3-0
Formerly: PE 456
Occupational Ergonomics
The application of ergonomic principles to industrial settings, work site job analysis, assessing biomechanical risk factors and the development of risk prevention programs. Specific emphasis will be placed on understanding the relevant Canadian occupational health and safety legislation and ergonomic standards.
Note: Credit will be granted for only one of 456, PE 456. Offered alternate years.
Prerequisites: 241B or PE 241B, 341 or PE 341 and 380 or PE 380.

EPHE 461 Units: 0.5 Hours: 2-0
Formerly: PE 461
Advanced Skills and Officiating
In-depth study of skill areas selected by the student, including advanced skill performance and officiating to an approved level. Students in the 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
461H - Swimming
461K - Tennis
461L - Track and Field
461M - Volleyball
Note: Not every area will be offered each year. Credit will be granted for only one of 461A-M, PE 461A-M.
Prerequisites: Credit in the related 100-level course.

EPHE 470 Units: 1.5 Hours: 2-2
Formerly: PE 470
Outdoor Recreation Advanced
Examination of outdoor recreation skills as a teaching medium; focus on professional outdoor recreation leadership skills, knowledge and techniques.
Note: Credit will be granted for only one of 470, PE 470.
Prerequisites: 270 or PE 270.

EPHE 487 Units: 1.5 or 3.0 Hours: 3-0
Formerly: PE 487
Special Topics in Exercise Science, Physical and Health Education
Topics of current interest or concern to groups of students.
Note: May be taken more than once for credit with permission of the Education Advising Centre.

EPHE 494 Units: 1.5
Formerly: PE 494
Directed Studies in Exercise Science, Physical & Health 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.

EPHE 499 Units: 3.0
Formerly: PE 499
Honours Thesis or Tutorial
Research under the direction of faculty for Honours students only.
Note: Credit will be granted for only one of 499, PE 499.
Grading: INP, letter grade.

Professional Studies

EPHE 764 Units: 1.5 Hours: 3-0
Formerly: PE 764
Curriculum and Instruction in Secondary Physical Education
Note: Credit will be granted for only one of 764, PE 764, ED-C 764. Open to students who have completed the prescribed teaching area or who are admitted to the professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

Environmental Restoration
School of Environmental Studies
Faculty of Social Sciences

ER 200 Units: 0.5 per module
Scientific Principles and Concepts for Environmental Restoration
An opportunity to gain background knowledge in selected scientific disciplines relevant to environmental restoration. Possible topics may include ground water, quantitative ecology, statistics, marine biology, and others. Students take modules of existing courses at the University of Victoria.
Notes: - A module consists of the first third of a scheduled course.
- Registration is limited and open only to Diploma students registered in the RNS program. Please contact the program coordinator in the Division of Continuing Studies for information about course availability and registration procedures.

ER 311 Units: 1.5
Also: ES 341
Principles and Concepts of Ecological Restoration
Discussion of physical and biological characteristics of ecosystems and processes with emphasis on British Columbia. Examines natural and human-caused changes at ecosystem to species level; discussion of ecosystems and biodiversity; consideration of philosophy and ethics of restoration and the introduction to legal and policy frameworks. Introduction to assessing the stated ecosystems and developing recommendations through field visits. Combines factual scientific analysis of ecosystems in the context of human values and needs.
Note: Credit will be granted for only one of 311, ES 352, ES 341, ES 400D if 400D taken in 1995-96. May be taken for credit by Diploma students as ER 311 without prerequisite credit.
Prerequisites: ES 200 or ES 300A; or permission of the Director if taken as ES 341.

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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 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 considerations; policy and legal considerations in restoration; and ecocrestoration 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 eoczones 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.

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  
**Ecoconstruction 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 ranive 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 hydronianari zones. Analysis of silvicultural prescriptions and terrain issues (slope stability, road building) from an ecological perspective.  
**Note:** Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 329  
**Units:** 1.5  
**Minining 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  
**Role of Engineering and Geosience in Environmental Restoration**  
Basic engineering works and their impact on natural systems; relationship of natural, physical and constructed features to restoration. Impact of construction on slopes and hydrology; role of substrate, landform process, bioengineering, design and reclamation of roads, stream and shoreline construction, and restoration and engineering design.  
**Note:** Background in physical geography, hydrology strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 331  
**Units:** 1.5  
**Urban Restoration and Sustainable Agricultural Systems**  
The role of restoration of natural systems in the populated landscape; structural characteristics of the landscape and its natural ecological potential; sustainable intensive human use. Planning and design, role of green spaces, natural corridors, recreation, soil and water conservation and restoration, ecological landscape architecture, integrated pest management, organic agriculture, urban agriculture, permaculture. British Columbia and world examples.  
**Note:** Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 332  
**Units:** 1.5  
**Selection and Propagation of Native Plants for Ecological Restoration**  
An introduction to the principles of native plant selection and propagation to meet site-specific objectives for ecosystem restoration. Topics include native plant propagation techniques; the role of artificial propagation in ecosystem rehabilitation and restoration; criteria for species selection; scientific and ethical principles for the collection of propagation materials; site stabilization; site preparation; out-planting; and bioengineering.  
**Notes:** - Credit will be given for only one of 332 and 338 under this topic.  
- Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 333  
**Units:** 1.5  
**Reclamation and Restoration of Contaminated Sites**  
Role of toxic substances in ecosystems and restoration of contaminated sites. The properties of toxics and their distribution in water and soil. Ecological risk assessment and priority toxic material. Site assessment. Monitoring, decontamination, reclamation and restoration of specific sites.  
**Note:** First year chemistry recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 334  
**Units:** 1.5  
**Soil Conservation and Restoration**  
Physical, chemical and biological characteristics of soils and their relationship to restoration. Soil fertility: importance of soil flora and fauna, especially mycorrhizae. Comparison of characteristics of undisturbed soils. Types of soil disturbance in agriculture, forestry, mining and urban environments; soil restoration strategies; planning pre- and post-disturbance.  
**Note:** Background in physical geography such as GEOG 213 or equivalent strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 335A  
**Units:** 1.5  
**Restoration of Fresh Water Aquatic Systems**  
Theory and case studies of disturbances and restoration; character and processes of aquatic systems; types of natural aquatic systems; types of disturbance and their impact; restoration strategies for watersheds, riparian zones, streams, rivers, lakes, and wetlands.  
**Note:** Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 335B  
**Units:** 1.5  
**Restoration of Marine Aquatic Systems**  
Types, characteristics and processes of natural marine aquatic systems 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 (eg. coral reefs, benthic communities and sediments).  
**Note:** Background in biology strongly recommended. Open only to Diploma students, except by special permission of the Diplma Advisory Committee.

ER 336  
**Units:** 1.5  
**Education, Communication and Dispute Resolution in Restoration of Natural Systems**  
Role of communication and education in the restoration of natural systems, emphasizing the importance of clear communication: principles and techniques of effective communication, survey of communication and educational methods, social and cultural frameworks of the message defining issues, techniques of dialogue, recognizing and resolving conflict, organiz-
Environmental Studies
School of Environmental Studies
Faculty of Social Sciences

ES 200 Units: 1.5 Hours: 3-1
Formerly: 300A
Introduction to Environmental Studies
An introduction to the symptoms and sources of environmental problems and approaches to resolving them. Students will apply their understanding through a distinctive interdisciplinary exploration of three main themes: ecological restoration (the process of assisting the recovery of an ecosystem that has been degraded, damaged or destroyed), political ecology (the theory and practice behind sustainability) and ethnobiology (the study of the relationship between people and their habitats).
Note: Credit will be granted for only one of 200, 300A.

ES 240 Units: 1.5 Hours: 3-0-3
Ecological Processes
An introduction to the discipline of ecology with a focus on understanding biotic processes as they relate to contemporary environmental challenges. Laboratories emphasize methodologies for the generation, analysis and application of data.

ES 301 Units: 1.5 Hours: 3-0
Political Ecology
This course introduces the various socio-political and philosophical issues associated with the concept of a sustainable society. Emphasis is placed on the analysis of the complex relationships between social and biological systems. In turn, this course will examine how communities and environments are being impacted by the globalization of economies and cultures, technologies and ideologies, as well as responses from a variety of local, non-governmental and international agencies.
Prerequisites: 200 or 300A.

ES 312 Units: 1.5 Hours: 3-0
Environmental Economics
Economic principles as applied to problems of living in the natural environment. The problem of spillovers associated with economic processes. Externalities and their management through economic institutions. Problems of conservation and possible limits to economic growth arising from scarcity of environmental resources.
Note: Credit will only be given for one of 312, ECON 330 or ECON 381.
Prerequisites: ECON 103 or ECON 201, and ECON 225.

ES 314 Units: 1.5 Hours: 3-0
Philosophy and the Environment
A philosophical investigation of the moral and conceptual dimensions of environmental problems. Different philosophies of the relation between humans and nature will be compared. Some of the topics to be examined are: human wants and human satisfactions; nature and spiritual values; community; human obligations to other animals; defining quality of life.
Note: Credit will be granted for only one of 314, PHIL 333.
Prerequisites: Third or fourth-year standing, or permission of the instructor.

ES 320 Units: 1.5 Hours: 3-0
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, 220 and STAT 255 or 260.

ES 324 Units: 1.5 Hours: 3-0
Ethnobiology
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 334 Units: 1.5 Hours: 3-0
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 or BIOL 215, 220, or 300A.

ES 341 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, 329, 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 Political Ecology  
An in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. This course will be conducted as a seminar and may include a field trip for which a fee will be charged.  
**Note:** Credit will be granted for only one of ES 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 Ethnobotany  
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 402, 420, 400A if 400A taken in 1989-94.

**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, 400D if 400D taken prior to 1989-90.

**Prerequisites:** 200 or 300A, and one of 301, 321 or 341.

ES 417  Units: 1.5  Hours: 3-0  
Formerly: ES 422  
Women and Environments  
An exploration of the developing interactions between feminism and environmentalism. Topics to be covered include the construction of relationships between women and nature, ecofeminism, women and sustainable development, and women's historical and contemporary environmental activism.

**Note:** Credit will be granted for only one of 417, 422, 403A if 400A taken in 1994-95.

**Prerequisites:** 200 or 300A, and 301.

ES 418  Units: 1.5  Hours: 3-0  
Environmental Law: Policy and Legislation  
Examination of legal procedures including traditional common law remedies and promising new legislative innovations, consideration of the expression of public values and environmental policies, and government decision making processes.  
**Note:** Credit will be granted for only one of 418, 400D if 400D taken in 1989-92.

**Prerequisites:** 200 or 300A, and 301.

ES 419  Units: 1.5  Hours: 3-0  
Formerly: LAW 328  
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, ES 450.  
- Law students should consult with the instructor prior to enrolment. Environmental Studies students require the permission of the Director of Environmental Studies: Limited enrollment.

**Prerequisites:** For ES students: 200 or 300A, and 301.

ES 421  Units: 1.5  Hours: 3-0  
Formerly: ES 416  
Ethnobotany: Plants and Human Cultures  
An introduction to the study of the relationship between plants and human cultures, with a focus on the indigenous peoples and environments of northwestern North America. Use of plants as foods, medicines, plant nomenclature and folk classification, and the role of plants in religion and mythology are topics covered. There will be one or more field trips.

**Note:** Credit will be granted for only one of 421, 416.

**Prerequisites:** 300A or 200 and 321.

ES 423  Units: 1.5  Hours: 3-0  
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 influence all fields of environmental endeavour. Ethnographic exercises in the community are a course requirement.

**Note:** Credit will be granted for only one of 428, 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  
Formerly: ANTH 401  
Cultural Ecology  
Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.

**Note:** Credit will be granted for only one of 430, ANTH 401.

**Prerequisites:** For ES students: 200 or 300A, and one of 301 or 321. For ANTH students: a minimum grade of B- in ANTH 200.

ES 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 environmental land use planning.

**Note:** Credit will be granted for only one of 446, 426, 400A if 400C taken in 1992-96.

**Prerequisites:** 200 or 300A, and one of 321 or 341.

ES 461  Units: 1.5  Hours: 3-0  
Formerly: ES 410  
Environmental Impact Assessment  
An introduction to the objectives, philosophy, concepts, methods and social implications of environmental impact assessment (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 in 1993-98.
Prerequisites: 200 or 300A, and 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 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Political Ecology
A focused, in-depth examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit in different topics.
Prerequisites: 200 or 300A, and 301.

ES 481 Units: 1.5 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Ethnoecology
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit in different topics.
Prerequisites: 200 or 300A and 321.

ES 482 Units: 1.5 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Ecological Restoration
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit in different topics.
Prerequisites: 200 or 300A and 341.

ES 490 Units: 1.5-3.0
Directed Studies
Individual studies on approved environmental topics undertaken by students in consultation with faculty members. Projects will be supervised by one or more faculty members designated by the Director.
Note: Restricted to students taking a major or minor in Environmental Studies. May be taken more than once for credit to a maximum of 3 credits.
Prerequisites: 200 or 300A, fourth-year standing with a sessional grade point average of 6.5, and permission of the Director.

EUS 300 Units: 1.5 Hours: 3-0
European Integration: Socio-Economic and Political Development
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 art.
Note: May be taken more than once for credit on different topics with permission of the Director of European Studies.

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: II
An introductory course focusing on ideas central to the interaction 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 Directed
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.
### COURSE LISTINGS

**Department of French**

**FREN 100** Units: 3.0 Hours: 6-2 *Introduction to French (Intensive)*

Intensive spoken and written French. Laboratory attendance is required.

**Notes:** - Intended for beginners. Next course in sequence: 106. - 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. - Equivalent to 102 or 103, plus 105.

**FREN 102** Units: 1.5 Hours: 3-2 *Basic Communication for Beginners*

Introduction to spoken and written French, using communicative methods. Laboratory attendance is required.

**Notes:** - Intended for complete beginners. Next course in sequence: 105. - Credit will be granted for only one of 102, 100, 103. - Not open for credit to students with French 10 in the last seven years, French 11 in the last 10 years, French 12 in the last 15 years, or one year of French immersion at any time.

**FREN 103** Units: 1.5 Hours: 3-1 *Basic Communication*

Reintroduction to spoken and written French, using communicative methods. Laboratory attendance is required.

**Notes:** - Intended for beginners with some previous exposure to French. Next course in sequence: 105. - Credit will be granted for only one of 103, 100, 102. - Not open 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: 3-1 *Elementary French I*

Introduction 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:** - Normal entry point for French 10 students. Previous course in sequence: 102 or 103. Next course in sequence: 106. - Credit will be granted for only one of 105, 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.

**FREN 106** Units: 1.5 Hours: 3-1 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:** - Normal entry point for French 11 students. Previous course in sequence: 105. Next course in sequence: 107. - Credit will be granted for only one of 106, 160. - Not open for credit to students with French 12 in the last three years, or two years of French immersion at any time.

**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:** - Previous course in sequence: 106. Next course in sequence: 155. - Credit will be granted for only one of 107, 160. - Not open for credit to students with French 12 in the last three years, or two years of French immersion at any time.

**FREN 108** Units: 1.5 Hours: 3-1 *French Oral Practice*

Develops listening comprehension and oral expression and introduces students to varied oral discourses.

**Notes:** - Intended for students with French 12, 107 or equivalent. May be taken concurrently with 155. - Previous course in sequence: 107. Next course in sequence: 155 or 175. - Credit will not be granted for 150 and either of 181, 182. - Not open for credit to students with three years of French immersion at any time.

**FREN 115** Units: 1.5 Hours: 3-2 *French Oral Practice*

Develops listening comprehension and oral expression and introduces students to varied oral discourses.

**Notes:** - Intended for students with French 12, 107 or equivalent. May be taken concurrently with 155. - Previous course in sequence: 107. Next course in sequence: 155 or 175. - Credit will not be granted for 150, and either of 181, 182. - Not open for credit to students with three years of French immersion at any time.

**FREN 122** 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.

**Notes:** - Credit will be granted for only one of 220 and 230. Enrollment limited.

**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:** - Normal entry point for French 12 students who have not taken a significant part of their school studies in immersion. Previous course in sequence: 107. Next course in sequence: 175. - Not open for credit to students with 181, 182 or immersion beyond Grade 7.

**FREN 175** Units: 1.5 Hours: 3-1 Formerly: parts of 181, 182, 190 *Intermediate Grammar Review*

Review and systematization of intermediate grammatical concepts such as verb forms, agreement, personal pronouns, etc., through application and exercises.

**Notes:** - Normal entry point for students who have taken several years of immersion. Previous course in sequence: 155. Next course in sequence: 195. - Credit will not be granted for 175 and any of 181, 182 or 190.

**FREN 195** Units: 1.5 Hours: 3-0 *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.

**Notes:** - May be taken concurrently with 202 or 220. Previous course in sequence: 175. Next course in sequence: 202. - Credit will be granted for only one of 195, 192, 190. - Enrollment limited.

**FREN 202** Units: 1.5 Hours: 3-0 *Advanced-Intermediate Grammar*

Grammatical terms. Structure of simple sentences. Dialectal analysis of nouns and verb groups.

**Notes:** - Previous course in sequence: 195. Next course in sequence: 295. - Credit will not be granted for 202 and either of 202A, 202B.

**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.

**Notes:** - Credit will be granted for only one of 220 and 230. Enrollment limited.

**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.

**Notes:** - Credit will be given for only two of 262A, 262B, and 262C.
Prerequisites: One of 182 or 190; or 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the department.

FREN 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 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the department.

FREN 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 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the department.

FREN 286 Units: 1.5 Hours: 3-0
An Introduction to French Literature Before 1800
A study of a number of important texts in French literature from the late Middle Ages to the French Revolution, within their historical and cultural contexts. Introduction to literary analysis.
Note: Not open to students with credit in 285.
Prerequisites: One of 182 or 190; or 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; 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 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the department.

FREN 288 Units: 1.5 Hours: 3-0
An Introduction to French Canadian Literature
A study of a number of important texts in French-Canadian literature, within their historical and cultural contexts. Introduction to literary analysis.
Prerequisites: One of 182 or 190; or 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the department.

FREN 295 Units: 1.5 Hours: 3-0
Formerly: part of 292
Writing II
Practice of writing in a variety of forms (such as compositions, book and film reviews, letters, creative writing), and the study of relevant models.
Notes: - Previous course in sequence: 202. Next course in sequence: 302A, B or C.
- Credit will be granted for only one of 295, 292.
Prerequisites: 202 or equivalent, or placement by 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 stu-
dents to acquire a reasonable reading comprehension of scientific and scholarly works in French. Primar-
ily intended for students who have little knowledge of French and are enrolled in university departments requiring a reading knowledge of a second language.
Note: Not open to students with credit in, or registered in, 175 or higher. Limited normally to students in third or fourth year or in graduate studies. Students with no previous French should take at least 102 before undertaking 300. Credit may be obtained for both 300 and any other FREN course.
Grading: COM, N, F

FREN 302A Units: 1.5 Hours: 3-0
Formerly: part of 302
Composition, Translation and Stylistics (A)
Frequent written exercises in vocabulary and grammar; English to French translation, compositions.
Notes: - Credit will be granted for only one of 302A, 302B.
- Previous course in sequence: 295.
- Students may take any two of 302A, 302B or 302C in any order as part of a French program. The third may be taken as an elective only.
Prerequisites: See Program Requirements.

FREN 302B Units: 1.5 Hours: 3-0
Formerly: part of 302
Composition, Translation and Stylistics (B)
Frequent written exercises in vocabulary and grammar; creative writing, compositions.
Notes: - Credit will be granted for only one of 302B, 302C.
- Previous course in sequence: 295.
- Students may take any two of 302A, 302B, or 302C in any order as part of a French program; the third may be taken as an elective only.
Prerequisites: 302A.

FREN 302C Units: 1.5 Hours: 3-0
Formerly: part of 302
Composition and Stylistics
Frequent written exercises in vocabulary and grammar; writing and editing with technology; compositions.
Notes: - Credit will be granted for only one of 302C, 302B.
- Previous course in sequence: 295.
- Students may take any two of 302A, 302B, or 302C in any order as part of a French program; the third may be taken as an elective only.
Prerequisites: See Program Requirements.

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.

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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: 3-0
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).
Note: All courses from 389A-E 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-E, 441, 442 and 487 may be counted.
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: 3-0
Quebec Cinema (in English)
Quebec society, past and present, as portrayed in Quebec films from 1970 to the present.
Notes: - All courses from 389A-E 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-E, 441, 442 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: 3-0
Special Studies in Cinema (in English)
A special topic in the cinema of the Francophone world, as announced annually.
Note: All courses from 389A-E 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-E, 441, 442 and 487 may be counted.
Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the departmental Program Requirements.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>FREN 389D</td>
<td>1.5</td>
<td>3-0</td>
<td>African Cinema (in English)</td>
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<tr>
<td>FREN 390E</td>
<td>1.5</td>
<td>3-0</td>
<td>The Court of Louis XIV on Screen (in English)</td>
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<tr>
<td>FREN 390</td>
<td>1.5</td>
<td>3-0</td>
<td>Critical Methods</td>
</tr>
<tr>
<td>FREN 402</td>
<td>1.5</td>
<td>3-0</td>
<td>An Advanced Language Course in Modern French Usage</td>
</tr>
<tr>
<td>FREN 420</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced French Phonetics and Pronunciation</td>
</tr>
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<td>FREN 425A</td>
<td>1.5</td>
<td>3-0</td>
<td>History of Language and Civilization: I</td>
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<td>FREN 425B</td>
<td>1.5</td>
<td>3-0</td>
<td>History of Language and Civilization: II</td>
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<td>FREN 426A</td>
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<td>Translation (English to French)</td>
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<tr>
<td>FREN 426B</td>
<td>1.5</td>
<td>3-0</td>
<td>Translation (French to English)</td>
</tr>
<tr>
<td>FREN 427</td>
<td>1.5</td>
<td>3-0</td>
<td>Special Topics: Advanced Topics in French Linguistics</td>
</tr>
<tr>
<td>FREN 440</td>
<td>1.5</td>
<td>3-0</td>
<td>Medieval Literature</td>
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<tr>
<td>FREN 441</td>
<td>1.5</td>
<td>3-0</td>
<td>Medieval Arthurian Romance (in English)</td>
</tr>
<tr>
<td>FREN 442</td>
<td>1.5</td>
<td>3-0</td>
<td>Common Grounds in European Medieval Literature (in English)</td>
</tr>
</tbody>
</table>

**Notes:**
- Students may count only one of 389A-E, 441, 442, or 487 towards a Major, Minor, or General program in French.
- Credit will be granted for only one of 426A, 426B, 426C, 426D, 426E.
- Credit will be granted for only one of 426A, 426B, 426C, 426D, 426E.
- Credit will be granted for only one of 441, MEDI 441.
FREN 451 Units: 1.5 Hours: 3-0
The Enlightenment
Principal literary works of the philosophes of the 18th century.
Prerequisites: See Program Requirements.

FREN 452 Units: 1.5 Hours: 3-0
The Novel in the 17th and 18th Centuries
The development of the novel through a study of major texts, with emphasis on the 18th century.
Prerequisites: See Program Requirements.

FREN 455B Units: 1.5 Hours: 3-0
Comedy in the 17th and 18th Centuries
A literary study of comedy in France in the classical period, with special emphasis on the works of Molière, Marivaux and Beaumarchais.
Prerequisites: See Program Requirements.

FREN 460A Units: 1.5 Hours: 3-0
Formerly: half of 460
The Novel in the 19th Century: I
The development of the novel in France from 1800 to 1850, including works by Stendhal and Balzac.
Note: Credit will be granted for only one of 460A, 460.
Prerequisites: See Program Requirements.

FREN 460B Units: 1.5 Hours: 3-0
Formerly: half of 460
The Novel in the 19th Century: II
The development of the novel in France from 1850 to 1900, including works by Flaubert and Zola.
Note: Credit will be granted for only one of 460B, 460.
Prerequisites: See Program Requirements.

FREN 462A Units: 1.5 Hours: 3-0
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 Hours: 3-0
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 Hours: 3-0
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 Hours: 3-0
19th Century Theatre
Melodrama, the Romantic theatre, vaudeville and the Naturalist movement in theatre. Writers studied include Hugo, Musset, Dumas fils, Labiche and Becque. Emphasis on theatre as stereotyped representation of ideology.
Prerequisites: See Program Requirements.

FREN 470 Units: 1.5 Hours: 3-0
20th Century French Theatre
The distinctive characteristics of modern theatre and of major theatrical movements; plays illustrating different themes and theatrical styles.
Prerequisites: See Program Requirements.

FREN 477A Units: 1.5 Hours: 3-0
Formerly: part of 477
Contemporary Francophone African Novel
The Francophone African novel in the second half of the 20th century and the first part of the 21st century. Screening of films to highlight issues in the novels selected.
Note: Credit will be granted for only one of 477A, 477.
Prerequisites: See Program Requirements.

FREN 477B Units: 1.5 Hours: 3-0
Formerly: part of 477
Contemporary Francophone Caribbean Novel
The Francophone Caribbean novel in the second half of the 20th century and the first part of the 21st century. Screening of 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 Hours: 3-0
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 480B Units: 1.5 Hours: 3-0
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 films to highlight issues in the novels selected.
Note: Credit will be granted for only one of 477B, 477.
Prerequisites: See Program Requirements.

FREN 482 Units: 1.5 Hours: 3-0
Contemporary French-Canadian Novel
The French-Canadian novel in the second half of the 20th Century, in particular la nouvelle écriture since 1960.
Prerequisites: See Program Requirements.

FREN 484 Units: 1.5 Hours: 3-0
Contemporary French-Canadian Theatre
Study of the characteristic themes and structures of French-Canadian theatre since the Second World War.
Prerequisites: See Program Requirements.

FREN 487 Units: 1.5 Hours: 3-0
French-Canadian Poetry
French-Canadian poetry from Emile Nelligan to the present. Emphasis on Alain Grandbois, St-Denys Garneau, Anne Hébert, Rina Lasnier, Gaston Miron, Roland Gigoule, Michel Beauleau, Nicole Brossard.
Prerequisites: See Program Requirements.

FREN 488 Units: 1.5 Hours: 3-0
Special Topics: French-Canadian Poetry
The study of French-Canadian poetry, including Emile Nelligan and other contemporary poets.
Prerequisites: See Program Requirements.

FREN 488A Units: 1.5 Hours: 3-0
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 seminar, or a course of lectures (as circumstances warrant).
Prerequisites: See Program Requirements.

FREN 488B Units: 1.5 Hours: 3-0
Special Topics: Children’s Literature
Examination of the development and diversification of children’s literature since the 17th Century, in both France and Quebec.
Note: Designed for Major and Honours students, this course may be offered as a reading course, a seminar, or a course of lectures (as circumstances warrant).
Prerequisites: See Program Requirements.

FREN 489 Units: 1.5 Hours: 3-0
Honours Graduating Essay
During the final year of the Honours program, students will write a graduating essay in French of approximately 7,500 words (i.e. 30 typed pages, double-spaced) under the direction of a member of the department; the topic to be approved by the Honours Committee. The essay must conform to acceptable standards of style and format and be submitted before the end of second term classes. An oral examination in French covering the topic of the essay will be conducted by a committee of three persons (normally, the faculty supervisor, the second reader, and the departmental Honours Adviser).

GEOG
Department of Geography
Faculty of Social Sciences
GEOG 101A Units: 1.5 Hours: 3-2
Biophysical Systems and the Human Environment
An introduction to the functioning of the biosphere, the ways in which humans perceive and alter natural processes, and environmental consequences of these alterations. Topics include: energy flows; biogeochemical cycles; ecosystem structure and dynamics; and various aspects of resource management.
Note: Credit will be granted for only one of 101A, ES 101.

GEOG 101B Units: 1.5 Hours: 3-2
Introduction to Human Geography
Perspectives on the scope and purpose of human geography, emphasizing approaches, concepts and scales of geographical analysis. Topics include: social geography of cities; interpretation of regional; cultural and economic landscapes; urbanization and industrialization of regions; and economic development and social change in the world system.
### COURSE LISTINGS

**GEOG 110**  
Units: 1.5  
Hours: 3-3  
Also: EOS 110  
Formerly: 216 and part of 213  
Introduction to the Earth System: I  
The dynamic processes acting within the atmosphere 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 oceanic basins are explored.  
**Note:** Credit will be given for only one of GEOG 110, EOS 110, GEOG 203B, GEOG 213, GEOG 216, EOS 350.

**GEOG 120**  
Units: 1.5  
Hours: 3-3  
Also: EOS 120  
Formerly: 217 and part of 213  
Introduction to the Earth System: II  
Principal geological processes 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 are covered in the context of human development.  
**Note:** Credit will be given for only one of GEOG 120, EOS 120, GEOG 203A, GEOG 213, GEOG 217.

**GEOG 209**  
Units: 1.5  
Hours: 3-2  
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 environmental, social, economic, and policy frameworks. Using a variety of examples, it examines strategies and tools such as adaptive management approaches, ecosystem-based management, impact assessment, and conflict resolution.  
**Note:** Credit will not be granted for 209 and any one of 350, 350A, 350B, ES 316.  
**Prerequisites:** 101A and 101B.

**GEOG 211**  
Units: 1.5  
Hours: 3-2  
Formerly: 201A and 201B  
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 only one of 211, 201A, 201B.  
**Prerequisites:** 101B.

**GEOG 218**  
Units: 1.5  
Hours: 3-2  
Cultural Geography  
An introduction to the interpretation of cultural landscapes in 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:** 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.

**GEOG 226**  
Units: 1.5  
Hours: 3-2  
Formerly: 321  
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.  
**Note:** Credit will be granted for only one of 226, 321.  
**Prerequisites:** 3 units of 100- or 200-level Geography, or 3 units of 100- or 200-level EOS.

**GEOG 228**  
Units: 1.5  
Hours: 2-2  
Digital Geomatics  
Introduces the basics of digital geomatics including Geographic Information Systems (GIS) and Digital Remote Sensing.  
**Prerequisites:** 222.

**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.  
**Prerequisites:** 211, 300.  
**Pre- or corequisites:** 226 or STAT 255 or STAT 260.

**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.  
Students with credit in 222 or 228 are not permitted to register in 308. This service course is intended for students with a general interest in the field of geomatics.

**GEOG 314**  
Units: 1.5  
Hours: 3-0  
Formerly: 214  
Global Environment Change and Human Response  
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:** 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:** 228.

**GEOG 322**  
Units: 1.5  
Hours: 2-3  
Digital Remote Sensing  
Processing and analysis of digital remotely sensed data. Data from various sources will be discussed and analysed with respect to their applicability in geographical sciences. Laboratory assignments will use image analysis software in a variety of applications.  
**Prerequisites:** 228.

**GEOG 323**  
Units: 1.5  
Hours: 2-3  
Cartography  
Introduces topographic and thematic cartography. Emphasis on cartographic data manipulation, generalization, and symbolization; map design, visualization and communication. Laboratory assignments will provide practical experience in designing and drafting maps.  
**Prerequisites:** 222.

**GEOG 324**  
Units: 1.5  
Hours: 3-0  
Directions in Geography  
An intellectual history of geographical thought, concentrating on trends, ideologies and controversies since 1960. Idiographic, nomothetic, quantitative, behavioural, applied radical, humanistic and recent social theory and GIS approaches are critically discussed in seminars.  
**Prerequisites:** 4.5 units of 100- or 200-level Geography.

**GEOG 325**  
Units: 1.5  
Hours: 2-2  
Field Surveying  
An introduction to fundamental concepts of surveying and field work. This is an instrument-based course covering differential levelling, traversing, tacheometry, GPS and photogrammetry, and their applications to field work.  
**Prerequisites:** 222. 1.5 units of 100-level MATH recommended.

**GEOG 326**  
Units: 1.5  
Hours: 2-2  
Formerly: 426  
Special Topics in Geographic Data Analysis  
Course content will vary with instructor, but will include applications in multivariate analysis of geographic data and/or qualitative approaches to data collection and analysis.  
**Note:** Credit will be granted for only one of 326, 426.  
**Prerequisites:** 226 or STAT 255 or STAT 260.

**GEOG 327**  
Units: 1.5  
Hours: 2-2  
Qualitative Methods in Human Geography  
An overview of the theoretical and methodological foundations of qualitative research in the various fields of human geography. A range of paradigms (e.g., ethnography, action research, narrative analysis) and data collection techniques (e.g., questionnaire design, participant observation, focus groups, in-depth interviews) will be examined and applied to issues in human geography.  
**Prerequisites:** 226 recommended.

**GEOG 328**  
Units: 1.5  
Hours: 2-3  
Geographic Information Sciences I  
This course covers GIS basics and emphasizes raster analysis, terrain analysis, data integration, and spatial modeling.  
**Note:** This is a companion course to GEOG 329 which highlights network analysis, internet GIS and fuzzy GIS.  
**Prerequisites:** 228.

**GEOG 329**  
Units: 1.5  
Hours: 2-2  
Geographic Information Sciences II  
This course covers GIS basics and emphasizes network analysis, internet GIS, fuzzy GIS, and spatial analysis.  
**Note:** This is a companion course to GEOG 328 which highlights raster analysis, terrain analysis and data integration.  
**Prerequisites:** 228.
GEOG 340  Units: 1.5  Hours: 3-0  
Formerly: 340B or one half of 349  
Geography of the City  
Examination of the forces shaping the internal structure of the contemporary city. Topics include: the land-uses and spatial structure of cities; building the city; architecture of downtown and suburban areas; patterns of class and ethnicity in the changing city; suburbanization and family life; urban problems and planning the post-industrial city.  
**Note:** Credit will be granted for only one of 340, 340B, 349.  
Prerequisites: 211.

GEOG 343  Units: 1.5  Hours: 3-0  
Planning and Urban Development  
This fieldwork course considers the relationships between planning, urban design, and the development of the North American city in the 20th century. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.  
Prerequisites: 211.

GEOG 344  Units: 1.5  Hours: 3-0  
Formerly: 447  
Urban Problems of Pacific Rim Developing Countries  
The course examines the fundamental differences in urban organization between developed and developing countries, and studies the political, cultural, and socio-economic conditions under which cities in Pacific Rim developing countries are growing.  
**Note:** Credit will be granted for only one of 344, 447, PACI 447.  
Prerequisites: 211.

GEOG 346  Units: 1.5  Hours: 3-0  
Formerly: 344B  
Geography of Environment and Health  
Theories and methods involved in environment and health research from a medical geographical perspective. “Environment” includes urban, social, political, cultural, and physical environments. “Health” includes complete social, physical, and emotional well-being. Current issues in environment and health will be placed within a wider social/community context.  
Prerequisites: 211.

GEOG 347B  Units: 1.5  Hours: 3-0  
Formerly: half of 347  
Geographies of Development  
Spatial aspects of the processes of modernization and development in Latin America, Africa, and Asia. Colonial and postcolonial theories and developments are discussed in terms of economic, social and political geography, and resulting changes in both physical and cultural landscapes.  
**Note:** Credit will be granted for only one of 347B, 347.  
Prerequisites: 4.5 units of 100- or 200-level Geography; PACI 210 recommended.

GEOG 352  Units: 1.5  Hours: 3-0  
Formerly: 352B or one half of 349  
Introduction to the Geography of the Coastal Zone  
Explores a wide variety of coastal topics from biophysical, ecological, and social-economic perspectives. Topics focus on coastal landscapes and communities that may include fundamentals of coastal oceanography, climate, biodiversity, water quality, fisheries, indigenous people, tourism and implications for management.  
Prerequisites: 101A and 101B.

GEOG 353  Units: 1.5  Hours: 3-0  
Formerly: 452  
Coastal and Marine Resources I  
A systematic integration of the biophysical, socio-economic and policy dimensions of threats and opportunities in coastal areas framed within integrated coastal management. Topics include: fisheries, aquaculture, energy, transportation, recreation and tourism, urban development and marine protected areas. Coastal planning and zoning approaches to balance threats, opportunities and conflicts are discussed.  
**Note:** Credit will be granted for only one of 353, 452.  
Prerequisites: 209.

GEOG 355  Units: 1.5  Hours: 3-0  
Coastal Communities  
A systems approach to study the contemporary issues relating to the geography of coastal communities. Topics focus on the social, political, cultural and economic forces that shape coastal communities and community life at the individual, community and macro scales.  
Prerequisites: 211.

GEOG 357  Units: 1.5  Hours: 3-0  
Formerly: 455; 459A and 459B  
Protected Areas: Principles and Concepts  
An investigation of the principles and concepts underlying the designation, planning and management of protected areas such as national and provincial parks systems. Topics include: the history and philosophy of protected areas; international classifications and examples; role of native peoples; carrying capacity; visitor management; interpretation; ecosystem integrity; ecosystem management; and a variety of case studies.  
Prerequisites: 209.

GEOG 358  Units: 1.5  Hours: 3-0  
Landscape Ecology  
Landscape ecology emphasizes the interaction between spatial pattern and ecological processes - that is, the causes and consequences of spatial heterogeneity across a range of scales. Focus in this course is on the role of spatial heterogeneity in affecting the distribution and abundance of organisms, mass and energy transfers, and alterations of this structure by natural or anthropogenic forces. Implications for resource management and conservation are discussed.  
**Note:** Credit will be granted for only one of 357, 455, 459A, 459B.  
Prerequisites: 209.

GEOG 370  Units: 1.5  Hours: 3-2  
Hydrology  
Introduction to environmental hydrology focusing on processes of water movement in the hydrologic cycle via precipitation, interception, evaporation, infiltration, surface runoff, streamflow, and groundwater flow. Measurement and analysis of these processes. Applied aspects and local examples will be discussed. Involves laboratory assignments and a field trip.  
Prerequisites: 120 or EOS 120; 1.5 units of 100-level MATH recommended.

GEOG 371  Units: 1.5  Hours: 3-0  
Water Resources Management  
A study of water resources management in different parts of the world, examining the influence of various physical, economic, social, political and technological factors. The alternative ways in which such problems as water scarcity, floods and declining water quality are handled will be discussed. A number of major water development schemes will be examined in detail. Students will be expected to undertake a modest research project and report upon it.  
Prerequisites: 209.

GEOG 372  Units: 1.5  Hours: 2-2  
Physical Climatology  
An investigation of the physical processes that determine the variation in climate and weather from place to place around the world. Emphasis will be on the processes of mutual interaction between the earth’s surface and the atmosphere and the role of differing surface types in creating the climate above them.  
**Prerequisites:** 110 or EOS 110.

GEOG 373  Units: 1.5  Hours: 2-2  
Applied Climatology  
A study of the application of physical principles to practical problems in climatology and the reciprocal interaction between climate and human activities. Topics include: urban effects on climate; air pollution; human bioclimatology; agricultural climatology; and methods of microclimatic modification.  
**Prerequisites:** 110 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:** 110 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: 209.

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: 120 or EOS 120; 1.5 units of 100-level MATH recommended.

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:** One of 110, 213, 216 or EOS 110.

GEOG 382  Units: 1.5  Hours: 3-0  
Formerly: 367 and 467 and 463A  
Geography of Southeast Asia  
A systematic geography of the countries of Southeast Asia. Topics include physical and cultural landscapes, regional variations, and problems associated with modernization and underdevelopment, such as settlement, land reform, urbanization and environment.
### COURSE LISTINGS

<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>GEOG 383</td>
<td>Geography of Japan</td>
<td>1.5</td>
<td>3-0</td>
<td>364 and 464A</td>
<td>Formerly: 378</td>
</tr>
<tr>
<td>GEOG 384</td>
<td>Geography of Japan</td>
<td>1.5</td>
<td>3-0</td>
<td>384, 465</td>
<td>An introduction to the physical geography of Japan, human implications of the physical environment, resource-based industries and regional variations.</td>
</tr>
<tr>
<td>GEOG 385</td>
<td>Environmental Aesthetics</td>
<td>1.5</td>
<td>3-0</td>
<td>378</td>
<td>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.</td>
</tr>
<tr>
<td>GEOG 386</td>
<td>World Political Geography</td>
<td>1.5</td>
<td>3-0</td>
<td>348</td>
<td>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.</td>
</tr>
<tr>
<td>GEOG 388</td>
<td>Regional Studies</td>
<td>1.5</td>
<td>3-0</td>
<td>466</td>
<td>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.</td>
</tr>
<tr>
<td>GEOG 418</td>
<td>Advanced Spatial Analysis and Geo-statistics</td>
<td>1.5</td>
<td>2-3</td>
<td>386 Geography; PACI 210 recommended.</td>
<td></td>
</tr>
<tr>
<td>GEOG 420</td>
<td>Field Studies in Coastal Geomatics</td>
<td>1.5</td>
<td>3-0</td>
<td>319, 322, 323, 328, 329</td>
<td>An advanced, field-based exploration of coastal geomorphology. An integrated approach for using geomatics (remote sensing, GIS, spatial analysis) for data acquisition, processing and analysis to improve our understanding of marine and coastal areas. Topics focus on applications of geomatics for environmental and social lab work and seminar discussions. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.</td>
</tr>
<tr>
<td>GEOG 422</td>
<td>Advanced Topics in Digital Remote Sensing</td>
<td>1.5</td>
<td>2-3</td>
<td>370, 372, 373, 374</td>
<td>Aspects of remote sensing including processing and classification of digital satellite and airborne data and digital elevation modelling. Emphasis will be placed on the processes of interpreting remotely sensed data, the enhancement of digital data for visual analysis and the integration of remotely sensed data with other spatial data.</td>
</tr>
<tr>
<td>GEOG 424</td>
<td>Field Studies in Coastal Geomorphology</td>
<td>1.5</td>
<td>3-0</td>
<td>371, 372, 373, 374</td>
<td>An advanced, field-based exploration of coastal geomorphic processes and landforms. Involves a week-long field trip to local coastal sites where students apply geomorphic concepts and methods towards a series of independent research assignments and/or group projects. Areas of investigation will span nearshore to backshore environments and wave, tidal, fluvial/estuarine, and aeolian processes. A field trip fee may be applied.</td>
</tr>
<tr>
<td>GEOG 425</td>
<td>Survey Methods and Analysis in Geography</td>
<td>1.5</td>
<td>3-0</td>
<td>371, 372, 373, 374</td>
<td>A seminar and fieldwork course focusing on the historical and contemporary development of the suburban landscape of the North American city.</td>
</tr>
<tr>
<td>GEOG 428</td>
<td>Advanced Topics in Geographic Information Sciences</td>
<td>1.5</td>
<td>2-3</td>
<td>387 and one of 370, 372, 373, 374</td>
<td>Contemporary research topics in the geographic information sciences. Topic will vary annually; but be selected from one of the following: spatial decision support; visualization; business demographics; environmental modelling; or spatial analysis. Students are advised to consult the department for an outline of the specific topic covered any year.</td>
</tr>
<tr>
<td>GEOG 430</td>
<td>Seminar in Coastal Studies</td>
<td>1.5</td>
<td>3-0</td>
<td>382 or 329</td>
<td>Provides students an opportunity to synthesize and consolidate their knowledge of coastal studies in order to apply that knowledge effectively to the challenges of coastal zone management. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.</td>
</tr>
<tr>
<td>GEOG 431</td>
<td>Geography of Tourism</td>
<td>1.5</td>
<td>3-0</td>
<td>420, 438, 453, 457, 458, 474, 478</td>
<td>Defines and introduces the tourism industry and its organization, examines scale and magnitude of tourism at the international, national, regional and local levels, and explores social, economic and environmental benefits and costs associated with the industry.</td>
</tr>
<tr>
<td>GEOG 438</td>
<td>Aquaculture in British Columbia</td>
<td>1.5</td>
<td>3-0</td>
<td>319, 322, 323, 329</td>
<td>Introduction to the aquaculture industry within British Columbia, reviewing the history, culture species, production methods (hatchery through seawolf processing), technological innovations, economics, marketing, environmental impacts/management, social issues (including First Nations), and the regulatory framework for this agri-food industry. Includes a field trip to aquaculture sites. Students should be prepared to undertake one or more weekend field trips, or a week-long field trip; a fee for each field trip may be applied.</td>
</tr>
<tr>
<td>GEOG 439</td>
<td>Coastal Community Health</td>
<td>1.5</td>
<td>3-0</td>
<td>340, 340A, 340B, 343 or 363</td>
<td>Examines economic, political, and social spheres and the specific issues faced by resource-based communities around health services and the intersection between age, gender, ethnicity and culture.</td>
</tr>
<tr>
<td>GEOG 440</td>
<td>Interpreting the Suburban Landscape</td>
<td>1.5</td>
<td>3-0</td>
<td>340, 340A, 340B, 343 or 363</td>
<td>A seminar and fieldwork course focusing on the history, culture species, production methods (hatchery through seawolf processing), technological innovations, economics, marketing, environmental impacts/management, social issues (including First Nations), and the regulatory framework for this agri-food industry. Includes a field trip to aquaculture sites. Students should be prepared to undertake one or more weekend field trips, or a week-long field trip; a fee for each field trip may be applied.</td>
</tr>
<tr>
<td>GEOG 441</td>
<td>The Design and Planning of Cities</td>
<td>1.5</td>
<td>3-0</td>
<td>340, 340A, 340B, 343 or 363</td>
<td>A seminar and fieldwork course focusing on the history, culture species, production methods (hatchery through seawolf processing), technological innovations, economics, marketing, environmental impacts/management, social issues (including First Nations), and the regulatory framework for this agri-food industry. Includes a field trip to aquaculture sites. Students should be prepared to undertake one or more weekend field trips, or a week-long field trip; a fee for each field trip may be applied.</td>
</tr>
<tr>
<td>GEOG 442</td>
<td>Geography of Chinatowns and Chinese Migration</td>
<td>1.5</td>
<td>3-0</td>
<td>340, 340A, 340B, 343 or 363</td>
<td>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 societies 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.</td>
</tr>
</tbody>
</table>

Note: Credit will be granted for only one of 382, 367, 463A, 467.

Prerequisites: 4.5 units of 100- or 200-level Geography; PACI 210 recommended.
Social Planning and Community Development
A theoretical grounding and practical experience in social planning and community development. Course materials are organized topically around issues that cities of all sizes face. Objectives are: identification and examination of critical issues shaping Canadian society in the 1990s; application of theoretical concepts in explaining social processes of change to situations in the community; and generation of discussion about the various strategies used in social planning and community development.
Prerequisites: One of 340, 340A, 340B, 343 or 363.

Urban Social Geography and Planning
A behavioural approach to the study of human-environment systems in an urban context. With bases in cultural geography and environmental psychology, the course will investigate the spatial dynamics of urban behaviour in western societies, with special reference to social interaction and perceptions, attitudes and learning within the urban system. Students should become aware of the contemporary urban social problems which are involved in planning the metropolitan environment.
Prerequisites: One of 340, 340A, 340B, 343 or 363.

Decision Making in Resources Management
Examines the decision making theory and real world processes associated with resources management at the policy and field levels. Case studies used to illustrate decision making behaviour, from conflict to cooperation. Simulation sessions, field trip and field methods review.
Note: Credit will be granted for only one of 450, 450A. Prerequisites: One of 209, 350, 350A, 350B or ES 316.

Coastal and Marine Resources II
Integrated coastal management is applied through community-based research. Based on a week-long field camp, discussions, projects and presentations, students gain first-hand experience in both biophysical and socio-economic perspectives of coastal areas. Involves a week-long field trip; a field trip fee may be applied.
Prerequisites: 353 or 452.

Wildlife Resource Management
An examination of conservation policies, programs, and management plans for wild plants and animals. Reviews biophysical foundations and social aspects of wildlife use, endangerment, range reduction, and extinction. International, national, regional, and local wildlife management initiatives will be examined.
Prerequisites: 374 and one of 209, 350, 350A, 350B or ES 316; 1.5 units of Biology (BIOL 150A recommended).

GEOG 457 Units: 1.5 Hours: 3-0
Formerly: 455; 459A and 459B.
Protected Areas: Management Challenges
An in-depth look at the challenges facing designation and management of marine protected areas in Canada and internationally. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.
Note: Credit will not be granted for 457 and 455, 459A, 459B. Prerequisites: 357.

Marine Aquaculture: Social, Economic and Environmental Dimensions
Examines the development of marine aquaculture. Emphasis is placed on exploring the social, economic and environmental implications that mariculture has for coastal communities. Students should be prepared to undertake one or more weekend field trips, or a week-long field trip; a fee for each fieldtrip may be applied.
Note: Fourth year Biology students must consult with the instructor prior to registration.
Prerequisites: 353.

Disaster Planning
A detailed overview of disaster planning, including risk and comprehensive planning, microzonation, design safety, models for disaster prediction, warning systems, disaster plans, reconstruction, and trauma support. The course will involve lectures, seminars and research projects.
Prerequisites: 4.5 units of 100- and 200-level Geography.

Medical Geography
Investigates the major research themes in medical geography, including the social and environmental contexts of disease, epidemiological data delivery systems, and health and the pollution syndrome. Involves lectures, seminars, and research projects.
Prerequisites: 4.5 units of 100- or 200-level Geography.

Advanced Biogeographical Concepts
A field-research course in biogeography based on a combination of reading, discussion, and data analysis. Involves a week-long field trip; a field trip fee may be applied.
Note: Credit will be granted for only one of 474, 471A. Prerequisites: 374; permission of the instructor by 15 March of previous Winter Session.

Boundary Layer Climatology
An investigation of the controls of climate in the atmospheric boundary layer with emphasis on the importance of boundary layer climate for people and human activities.
Note: Credit will be granted for only one of 475, 471B.
Prerequisites: 372 or 373.

Geomorphology II
Focusing on various geomorphological themes, students will complete a major research project based on field work to supplement lectures, seminars and field/lab projects.
Note: Credit will be granted for only one of 476, 471C. Prerequisites: 376.

Field Studies in Physical Geography
The nature of scientific research in physical geography is examined through field and laboratory techniques. Includes a week-long field camp where basic approaches, methodologies and techniques are used to prepare a series of reports based on field data and collected samples. A field trip fee may be applied.
Note: Credit will be granted for only one of 477, 471D.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 100A</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of 100A, 100B.</td>
</tr>
<tr>
<td>GER 100B</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of 100B, 100.</td>
</tr>
<tr>
<td>GER 200</td>
<td>1.5</td>
<td>3-0</td>
<td>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 261. <strong>Note:</strong> Credit will be granted for only one of 200, 149.</td>
</tr>
<tr>
<td>GER 252</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>GER 300</td>
<td>1.5, formerly 3</td>
<td>3-0</td>
<td>Advanced Grammar and Stylistics I Intensive practice in advanced grammar, oral and written composition, and the mastery of style. This course forms a basis for advanced competence in the language and is intended to serve as a foundation for the advanced study of German language, literature and culture.</td>
</tr>
<tr>
<td>GER 352</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced Oral German I Conducted entirely in German. Designed to increase oral proficiency and to develop comprehension of oral and written German.</td>
</tr>
<tr>
<td>GER 390</td>
<td>1.5</td>
<td>3-0</td>
<td>German Reading Course Rapid survey of grammar and reading of general and scientific articles, designed to meet the needs of students who have no knowledge of German, but who want to gain reading comprehension in a special field. <strong>Note:</strong> Credit will be granted for only one of 390, 100, 140. Limited normally to students in third or fourth year or in graduate studies.</td>
</tr>
<tr>
<td>GER 400</td>
<td>1.5, formerly 3</td>
<td>3-0</td>
<td>Advanced Grammar and Stylistics: II A continuation and reinforcement of 300, through intensive study of advanced grammar, analysis of texts, and composition. Recommended as a preparation for German 452.</td>
</tr>
<tr>
<td>GER 452</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced Oral German II A continuation of 352, conducted entirely in German. Designed to increase oral proficiency and to develop comprehension of oral and written German.</td>
</tr>
<tr>
<td>GER 453</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced Translation A comparative study of idioml usages of English and German, and of related problems in translation; practice in translation from English to German, and from German to English.</td>
</tr>
<tr>
<td>GER 471</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: half of 403 The Evolution of Early German A survey of the evolution of German from its Germanic origins to the mid-15th century. Focus is on historical influences affecting Old and Middle German, e.g. the Dark Ages, the Carolingian era, religion and chivalry in the Middle Ages, expansion into Central Europe and the beginnings of urban growth and a more complex society in the 14th and 15th centuries. <strong>Note:</strong> Credit will be granted for only one of 471, 403.</td>
</tr>
<tr>
<td>GER 472</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: half of 403 The Evolution of Modern German The course examines the influences affecting German since the invention of the printing press. These include Luther, French and English, prescriptive grammarians, German writers and scientists, industrialization, and politics and commerce in this century. <strong>Note:</strong> Credit will be granted for only one of 472, 403.</td>
</tr>
<tr>
<td>GER 499</td>
<td>1.5</td>
<td>3-0</td>
<td>Honours Graduating Essay During either semester of the final year of their Honours program, students will write a graduating essay in German of approximately 7500 words under the direction of a member of the department. The essay must conform to acceptable standards of style and format and be submitted before the end of classes. An oral examination covering the topic of the essay will be given by a Departmental committee.</td>
</tr>
<tr>
<td>GERS 254</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of GERS 254, GERS 254.</td>
</tr>
<tr>
<td>GERS 261</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of GERS 261, GERS 261. No knowledge of German required.</td>
</tr>
<tr>
<td>GERS 305</td>
<td>1.5</td>
<td>3-0</td>
<td>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, representative Novellen from Goethe to the present day will be studied and compared to other short narrative prose forms, such as the Märchen, Erzählung, and Kurzgeschichte. <strong>Note:</strong> Credit will be granted for only one of GERS 305, GERS 405, GERS 405. No knowledge of German required.</td>
</tr>
<tr>
<td>GERS 306</td>
<td>1.5</td>
<td>3-0</td>
<td>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, such as classicism, romanticism, realism, modernism, and post-modernism. <strong>Note:</strong> No knowledge of German required.</td>
</tr>
<tr>
<td>GERS 307</td>
<td>1.5</td>
<td>3-0</td>
<td>History of the Novel A survey of the novel from the 18th century to the present. Examines themes, narrative form, and style to explore the evolution of the genre over various literary periods, such as classicism, romanticism, realism, modernism, and post-modernism. <strong>Note:</strong> No knowledge of German required.</td>
</tr>
<tr>
<td>GERS 308</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of GERS 308, GERS 408. No knowledge of German required.</td>
</tr>
<tr>
<td>GERS 354</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 354, GERS 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 Impressionism. <strong>Note:</strong> Credit will be granted for only one of GERS 354, GERS 354, GERS 426. No knowledge of German required.</td>
</tr>
</tbody>
</table>
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

Portraits of Women in German Literature from Medieval to Postmodern Times

An introduction to chivalric literature and civilization through the study of writers and their works, mainly from the first Blutzel 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: No knowledge of German required.

GERS 411* Units: 1.5 Hours: 3-0

Medieval German Literature

An introduction to 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 417* Units: 1.5 Hours: 3-0

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

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

Romanticism

Rooted firmly in German Idealism, this artistic movement spanned the four decades from the 1790's to the 1830's. 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

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

The Dark Side of the Enlightenment: Madness in Literature

Representations of madness in 19th and 20th century German literature and the backdrop of the Enlightenment ideals of rationality, science, human nature, art, and civilization. Examines the glorification of madness as an artistic ideal as well as the social forces that 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 Film-makers

A study of the films of one major filmmaker from a German-speaking country, whose impact on cinema as an art form has been wide-ranging and international in scope. Directors may include Fritz Lang, Leni Riefenstahl, Werner Herzog, Margarethe von Trotta and Tom Tykver. 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

Special Topics

May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GERS 438B* Units: 1.5 Hours: 3-0

Special Topics

May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GERS 439 Units: 1.5 Hours: 3-0

The New German Cinema

A study of major achievements of the New German Cinema. This course will consider film as both a narrative form and a means of reflecting social concerns.

GERS 443 Units: 1.5 Hours: 3-0

Formerly: GER 443

"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 443, GER 433, GER 433. May count towards a Minor in Film Studies. No knowledge of German required.

GERS 444* Units: 1.5 Hours: 3-0

Formerly: GER 444

Women Writers

A study of novels of the Second Women's Movement (1970's and after) by German, Austrian, and Swiss women writers. In addition, theoretical readings, short stories, and poems will be discussed.

Note: Credit will be granted for only one of GERS 444, GER 444. No knowledge of German required.

GERS 483 Units: 1.5 Hours: 3-0

Recent German Film

An introduction to German films after the New German Cinema. This course will focus on films released after unification, dealing with topics such as the two Germanies, literature and film, the role of history, and (re)presentation in a postmodern world.

Note: May count towards a Minor in Film Studies. No knowledge of German required.

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, popular 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 historical context. Without focusing exclusively on German literature and film, this course will follow the vampire
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREE 101</td>
<td>Introductory Ancient Greek I</td>
<td>4-0</td>
<td>1.5</td>
<td>Formerly: part of 100, Introductory Ancient Greek: 1</td>
</tr>
<tr>
<td>GREE 102</td>
<td>Introductory Ancient Greek II</td>
<td>4-0</td>
<td>1.5</td>
<td>Formerly: part of 100, Introductory Ancient Greek: II</td>
</tr>
<tr>
<td>GREE 201</td>
<td>Advanced Greek Grammar</td>
<td>4-0</td>
<td>1.5</td>
<td>Formerly: part of 200</td>
</tr>
<tr>
<td>GREE 202</td>
<td>Introduction to Greek Literature</td>
<td>4-0</td>
<td>1.5</td>
<td>Formerly: part of 200</td>
</tr>
<tr>
<td>GREE 250</td>
<td>The Greek New Testament</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 200, Introductory Ancient Greek: II</td>
</tr>
<tr>
<td>GREE 301</td>
<td>Homer</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: 390A, Homer</td>
</tr>
<tr>
<td>GREE 302</td>
<td>Euripides and Sophocles</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: 390B, Euripides and Sophocles</td>
</tr>
<tr>
<td>GREE 303</td>
<td>Herodotus and Xenophon</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: 390E, Herodotus and Xenophon</td>
</tr>
<tr>
<td>GREE 304</td>
<td>Plato</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: 390F, Plato</td>
</tr>
<tr>
<td>GREE 305</td>
<td>Greek Orators</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 490E, Greek Orators</td>
</tr>
<tr>
<td>GREE 306</td>
<td>Aristophanes</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: 390G, Aristophanes</td>
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<tr>
<td>GREE 307</td>
<td>Hesiod and the Homeric Hymns</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 490A, Hesiod and the Homeric Hymns</td>
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<tr>
<td>GREE 308</td>
<td>Greek Lyric Poets</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 490B, Greek Lyric Poets</td>
</tr>
<tr>
<td>GREE 309</td>
<td>Greek Historians</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 490E, Greek Historians</td>
</tr>
<tr>
<td>GREE 401</td>
<td>Greek Comedy</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 403 and 490D, Greek Comedy</td>
</tr>
<tr>
<td>GREE 402</td>
<td>Greek and Roman Civilization</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 403 and 490C, Greek and Roman Civilization</td>
</tr>
<tr>
<td>GREE 403</td>
<td>Hellenistic Greek Authors</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 403 and 490B, Hellenistic Greek Authors</td>
</tr>
<tr>
<td>GREE 404</td>
<td>Greek and Roman Mythology</td>
<td>3-0</td>
<td>1.5</td>
<td>Formerly: part of 403 and 490A, Greek and Roman Mythology</td>
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</tbody>
</table>

**Note:** Courses at the 400 level have a pre-requisite of 3 units of Greek at the 300 level or above, or permission of the department.

**GRS 100**
Department of Greek and Roman Studies
Faculty of Humanities

Greek and Roman Studies courses are designed to provide students with access to a broad range of topics dealing with ancient Greek and Roman culture at all levels. A knowledge of the Greek and Latin languages is not required for GRS courses. GRS 100 is designed primarily as an elective for students in all fields of study. The Department strongly recommends that any student in Second Year who has successfully completed GRS 100 should take either a course in Latin or Greek or a Greek and Roman Studies course at the 200 or 300 level. For courses in the Greek and Latin languages, see courses listed under GREE and LATI.
of heroism, mortality, and the construction of gender.

include the definition of the genre of epic, the nature

Apollonius’

Jason and the Argonauts

Greek and Roman Novels and Romances

Age of Nero

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 250, CLAS 250.

Prerequisites: None; 100 recommended.

GRS 250 Units: 1.5 Hours: 3-0

Formerly: CLAS 350

The Contribution of Greek and Latin to the English Language

Out of 20,000 common words in English, 10,000 came from Latin directly or through French. The Greek element is also impressive, particularly in the ever-expanding vocabulary of science. Among topics studied will be the Greek script, principles of transcription, the formation of nouns, adjectives and verbs, hybrid words, neologisms and semantic changes.

Note: Credit will be granted for only one of 250, CLAS 250.

Prerequisites: None; 100 recommended.

GRS 250 Units: 1.5 Hours: 3-0

Formerly: CLAS 300

Greek Epic

The course will examine epic genre in Greek literature through reading Homer’s Iliad and Odyssey and Apollonius’ Jason and the Argonauts. Themes may include the definition of the genre of epic, the nature of heroism, mortality, and the construction of gender.

Note: Credit will be granted for only one of 300, CLAS 300.

Prerequisites: None; 100 recommended.

GRS 300 Units: 1.5 Hours: 3-0

Formerly: CLAS 301 and CLAS 301

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: None; 100 or one 300 level GRS course recommended.

GRS 314 Units: 1.5 Hours: 3-0

Age of Nero

Nero, the last of the Julio-Claudian emperors, promoted an artistic golden age to rival that of the first emperor, Augustus. Topics for study may include: literary authors such as Seneca, Lucan, Persius and Petronius; Nero’s extravagant building projects in Rome; his reputation, ancient and modern, as an artist-emperor.

Note: Credit will be granted for only one of 314, 325 (if taken in the same topic).

Prerequisites: None; 100 or permission of the department.

GRS 316 Units: 1.5 Hours: 3-0

Greek and Roman Novels and Romances

An introduction to fictional prose literature in Greco-Roman antiquity and its social context. Principal works studied will include Petronius’ Satyricon, Apuleius’ Golden Ass, Longus’ Daphnis and Chloe, and other Greek romances of the Roman imperial period.

Prerequisites: None; 100 or one 300 level GRS course recommended.

GRS 320 Units: 1.5 Hours: 3-0

Formerly: CLAS 320

Greek 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.

GRS 322 Units: 1.5 Hours: 3-0

Formerly: CLAS 322

Greek and Roman Comedy

The origins and development of comic drama in ancient Greece and Rome. The study of representative plays of Aristophanes, Menander, Plautus, and Terence.

Note: Credit will be granted for only one of 322, CLAS 322.

Prerequisites: 100 or permission of the department.

GRS 325 Units: 1.5 Hours: 3-0

Formerly: CLAS 325

Topics in Greek and Roman Literature

This course is a variable content course.

Note: Credit will be granted for only one of 325, CLAS 325. May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 100 or 200, or permission of the department.

GRS 326 Units: 1.5 Hours: 3-0

Formerly: CLAS 326

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, socio-cultural, 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 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: None; 100 or permission of the department.

GRS 335 Units: 1.5 Hours: 3-0

Formerly: CLAS 335

Women in the Greek and Roman World

The position of women, and attitudes towards them, in Greek and Roman society. Topics may include women and religion; women and medicine; the legal position of women; women and politics; the economic role and position of women; marriage and childbearing practices; literary representations of women; and constructions of the female in Greek and Roman society.

Note: Credit will be granted for only one of 335, CLAS 330.

Prerequisites: None; 100 or 200 recommended.

GRS 341 Units: 1.5 Hours: 3-0

Formerly: part of CLAS 340

Roman History

The history of Rome from Romulus to Constantine. Special attention will be paid to the creation and maintenance of empire, the Roman revolution, and the rule of the Caesars.

Note: Credit will be granted for only one of 341, CLAS 340.

GRS 342 Units: 1.5 Hours: 3-0

Formerly: part of CLAS 340

Roman Society

A topical introduction to Roman social and cultural history. Attention will focus first on Roman social relations and secondly on the defining features of Roman culture.

Note: Credit will be granted for only one of 342, CLAS 340.

Prerequisites: None; 341 recommended.

GRS 347 Units: 1.5 Hours: 3-0

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

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: None; 100 or 200 recommended.

GRS 349 Units: 1.5 Hours: 3-0

Jews and Christians in the Roman World

The history of Jews and Christians around the Mediterranean from the Maccabean rebellion to the conversion of Constantine. Topics include the Dead
Sea Scrolls, the background to John the Baptist and Jesus, Paul’s missions, persecution and martyrdom, and “pagan monotheism.” Special attention will be given to encounters between Jews and Christians and the Roman state.

**Prerequisites:** 100 or 200 recommended.

**GRS 361** Units: 1.5 Hours: 3-0

**Aegean Bronze Age and the World of Homer**

Covers material culture from the eastern Mediterranean, beginning with the Neolithic period and continuing through until the end of the Bronze Age. Much attention will be given to the Minoans on Crete and the Mycenaean Greeks, but will also cover topics such as the Cyclades and the volcanic eruption of Thera; Troy and the Trojan War; and the Hittite Kingdom in central Anatolia.

**Prerequisites:** 100 or 200 or permission of the department

**GRS 371** Units: 1.5 Hours: 3-0

**Art and Architecture of Ancient Greece and the Aegean**

An introduction to art and architecture in Greece and the Aegean from the Early Bronze Age through the Hellenistic period. Architecture, sculpture, and the minor arts are examined as evidence for cultural attitudes towards humankind, the gods, the physical world, and the exploration of form, color, and movement. Emphasis is placed on the careful discussion of selected monuments illustrated through slides, casts, and photographs.

**Note:** Credit will be granted for only one of 371, CLAS 371, HA 316.

**GRS 372** Units: 1.5 Hours: 3-0

**Art and Architecture of the Roman World**

A survey of Roman art and architecture relating the political and social development of the Roman people to their artistic expression. After an examination of Etruscan art and architecture for its formative influence on Roman attitudes, Republican and Imperial Roman art are discussed in the context of historical events. Topics include: the special character of Roman art, Hellenistic and Latin modes of expression, portraiture, historical reliefs, function in art, architectural space and city planning.

**Note:** Credit will be granted for only one of 372, CLAS 372, HA 317.

**Prerequisites:** None; 371 recommended.

**GRS 375** Units: 1.5 Hours: 3-0

**Cities and Sanctuaries of the Ancient World**

An examination of selected Greek, Etruscan and Roman city and sanctuary sites in an evaluation of ancient achievements in sacred and secular architecture, urban planning, and sanctuary development. Emphasis will be placed on the changing response to human needs for an artificial framework for living, along with the natural resources of the environment in antiquity. Each site will be examined by means of illustrated lectures, and careful consideration will be given to both the archaeological record and the ancient literary sources.

**Note:** Credit will be granted for only one of 375, CLAS 375. Offered alternately with 376.

**GRS 376** Units: 1.5 Hours: 3-0

**Ancient Technology**

An introduction to the applied technologies of the Greek and Roman cultures. Presents both ancient written sources and archaeological remains from the Late Bronze Age through the Late Roman Empire. Special topics include machinery and gadgets, mass production, engineering, nautical technology, and labour.

**Note:** Credit will be granted for only one of 376, CLAS 376. Offered alternately with 375 and 377.

**GRS 377** Units: 1.5 Hours: 3-0

**Ships and Seanship in the Ancient World**

An introduction to the maritime archaeology and marine technology of the Bronze Age Near Eastern, Greek, and Roman cultures, using the evidence presented by archaeological remains of ships and harbours, and ancient visual representations and literary texts. Topics will include harbour and ship design and construction, equipment, sailing techniques, navigation, and underwater archaeology.

**Prerequisites:** None; 371 or 372 recommended.

**GRS 379** Units: 1.5 Hours: 3-0

**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. This course does not presuppose a background in either Greek and Roman studies or Philosophy.

**GRS 380** Units: 1.5 Hours: 3-0

**The Life and Times of Socrates**

An examination of a critical moment in Greek intellectual and political life, as seen from various points of view. Topics include: Socrates’ trial and its background, the rise of the Socratic conception of philosophy and its relation to the methods of the Sophists, perceived Socratic challenges to religious and social mores, written vs. unwritten philosophy, and types of Socratic literature. Why, we will ask, was the impact of Socrates so lasting and profound?

**Note:** Credit will be granted for only one of 380, CLAS 380, PHIL 383.

**GRS 381** Units: 1.5 Hours: 3-0

**Greek and Roman Religion**

A survey of Greek and Roman religious thought and practices. The course will focus first on conventional religious rituals and their social value, and secondly on the success of Greek and Roman polytheism in adapting to changing historical and social circumstances. Particular attention will be paid to mystery religions, including Christianity, and their relationship to conventional forms of religious behaviour.

**Note:** Credit will be granted for only one of 381, CLAS 381.

**GRS 382** Units: 1.5 Hours: 3-0

**The Ancient World on Film**

A study of the modern cinematic treatment of ancient Greek and Roman myths, historical narratives and dramatic texts from the early modern and surrealism to the television adaptations of the 1990s. Course may include the Orpheus myth on film, Jason and the Argonauts, Spartacus, the western and Greek drama on film, and the 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, advocacy and judicial procedure and administrative law, and Roman jurisprudence in its intellectual context.

**Note:** Credit will be granted for only one of 442, 346, CLAS 346.

**Prerequisites:** 342 or permission of the department.

**GRS 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

**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-requisites:** For 480A: 331 or 332 or 334; for 480B: 341, 342 recommended; for 480D: 372; or, in each case, permission of the department.

**GRS 481** Units: 1.5 Hours: 2-0

**Seminar in Ancient Literature**

The department will offer no more than one of the following each year: 481A Seminar in Greek Literature; 481B Seminar in Roman Literature; 481C Seminar in Ancient Literature.

**Prerequisites:** One of 300, 301, 312, 316, 320, 322, 325, or permission of the department.

**GRS 493** Units: 1.5 Hours: 2-0

**Directed Study in Greek or Roman Civilization**

Intensive study of selected programs in Greek or Roman history, society, art, or archaeology. Students will be expected to prepare an extended research paper, drawing on both primary and secondary sources. Introduction to epigraphics, numismatics, palaeography, 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.

GRA 310
Formerly: C.E.
Economies.

HA 310
Units: 1.5 Hours: 3-0
Art-Historical Methods and Approaches
An introduction to some of the theoretical, methodological, and historiographical perspectives that inform current art-historical studies.

HA 210
Units: 1.5 Hours: 3-0
The Christian Tradition in Western Art and Architecture
This course will focus on the social production of art and architecture in relation to the Christian systems of thought. Although the specific periods and topics covered may vary depending on the instructor, the course will cover issues such as: the relationship of word and representation; the study of Christian iconography; the role of the liturgy; art forms as instruments and expressions of religious change.

HA 222
Units: 1.5 Hours: 3-0
The Classical Tradition in Western Art
An introduction to the influence of Greco-Roman artistic traditions on subsequent periods of European civilization. The classical inheritance in terms of both style and iconography will be examined in a variety of selected monuments from the Middle Ages through to the 20th century.

HA 223
Units: 1.5 or 3.0 Hours: 3-0
Introduction to Western Architecture
An introduction to the aims and methods of architectural history using case-studies of monuments from the history of Western architecture from archaic Greece to the present. Issues considered can include: changing patterns of patronage; shifts in building types, features, and structural systems; and influential theories of design.

HA 230
Units: 1.5 Hours: 3-0
Monuments of South and Southeast Asia
An introduction to Primal, Hindu, Buddhist, and Islamic world views through the study of central religious monuments of South and Southeast Asia. The philosophical and religious principles underlying the architecture, painting and sculpture programs and the ritual, ceremonial, and political dimensions of each monument will be examined. Emphasis will be on learning to formulate ideas and develop writing skills adequate to Asian art history.

HA 234
Units: 1.5 Hours: 3-0
Encountering Renaissance Art
An examination of key works of art and architecture by major creative minds in Europe during the Renaissance (1400-1550), such as Donatello, Alberti, Leonardo, Michelangelo, Bosch, and Sophonisba Anguissola.

HA 240
Units: 1.5 or 3.0 Hours: 3-0
The Visual Arts in Early Modern Europe
A thematic introduction to selected aspects of the visual arts in Europe during the period c. 1480-1780.

HA 250
Units: 1.5 Hours: 3-0
Middle Eastern Civilization: the Ancient World
A survey of the art and architecture of the ancient Near East and Egypt from the fourth millennium BC to the seventh century AD. The relationships between religion, history, literature and art are given particular attention.
Note: Credit will be granted for only one of 250, HIST 250.

HA 251
Units: 1.5 Hours: 3-0
Middle Eastern Civilization: Islam
A survey of the art and architecture of the Islamic world, beginning with the rise of Islam in the seventh century and continuing through to the nineteenth century.
Note: Credit will be granted for only one of 251, HIST 251.
HA 295
Units: 3.0
Hours: 3-1
Introduction to Film Studies
An investigation of film culture and its relationship to social and historical contexts. This course focuses on mainstream narrative cinema; documentary and avant-garde practices will also be considered. Particular attention will be placed on analyses of films as forms of social communication. This course involves a three hour lecture/screening and a one hour tutorial a week.

HA 312
Units: 1.5
Hours: 4-0
Feminism and Film
This course examines representations of women and by women, in a variety of film forms (experimental, documentary, narrative) and within a range of historical periods. Emphasis will be placed on feminist theories of representation, visual pleasure, spectatorship and subjectivity and on analyses of key films.

Note: Preference to third and fourth-year students.

HA 321
Units: 1.5
Hours: 3-0
Late Antique and Early Christian History in Art
An introductory survey of the art and architecture of the Mediterranean world from the origins of Christian art in the 3rd century A.D. to the onset of Iconoclasm in the 8th century. In addition to a detailed examination of surviving monuments and art objects, an emphasis will be placed on the sources of Christian iconography and the relationship between art, theology and liturgy.

HA 323
Units: 1.5
Hours: 3-0
Byzantine History in Art
An introductory survey of the art and architecture of the Byzantine empire and its culturally dependent areas from the period of Iconoclasm through to the fall of Constantinople in 1453 and beyond. The emphasis will be on an examination of surviving monuments in Greece, Turkey, southern Italy, the Balkans, and Russia.

HA 326
Units: 1.5
Hours: 3-0
Early Medieval History in Art
An introductory survey of the arts and architecture of western Europe in the period ca. A.D. 600-1150. Topics to be considered will include Anglo-Saxon, Carolingian, Ottonian, and Romanesque history in art.

HA 328
Units: 1.5
Hours: 3-0
Gothic Art and Architecture
An introductory survey of the art and architecture of western Europe from the reconstruction of St. Denis ca. 1140 to the beginnings of Renaissance art in Florence ca. 1400. The course will focus primarily on architecture in northern Europe and on painting in Italy, with a concentration on artists from the cities of Florence, Rome and Siena.

HA 330A
Units: 1.5
Hours: 3-0
Formerly: part of 330
Early Arts of South Asia
A survey of the arts in South Asia from the Indus Valley Civilization to the 10th century. The development of Hindu and Buddhist art, architecture and patronage is examined in relation to their historical, philosophical and religious backgrounds. Selections from treaties on art and aesthetics are read in translation and basic issues in the study of Indian art in the West form part of the discussion.

Note: Credit will be granted for only one of 330A, 330.

Normally to be offered in alternate years with 330 A, B.

HA 330B
Units: 1.5
Hours: 3-0
Formerly: part of 330
Later Arts of South Asia
A survey of the arts of South Asia, including the Himalayan region and Tibet, from the eighth century up to the twentieth. Emphasis will be on regional variations in Buddhist and Hindu art, the introduction of new ideas, art forms and styles with the establishment of Islamic rule, and the role of colonialism and nationalism in the formation of the region’s modern visual culture.

Note: Credit will be granted for only one of 330B, 330.

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 historicity. 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 in a background of continuity and change. Indigenous texts and film will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333B, 333.

HA 336
Units: 1.5
Hours: 3-0
Art and Architecture of Modern India
A study of Indian art and architecture since the arrival of Western powers and Western religions in the early 16th century to the present. 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 historical consciousness.

Note: May be taken more than once for credit in different topics.

HA 338
Units: 1.5
Hours: 3-0
Special Topics in Premodern Asian Art
An examination of themes and issues in premodern Asian art through case-studies in specific regional and/or temporal contexts. Topic: Popular Prints in China and Japan

Note: May be taken more than once for credit in different topics.

HA 339
Units: 1.5
Hours: 3-0
The 16th Century in Europe
A thematic examination of selected aspects of the visual arts in 16th century Europe.

Note: Credit will be granted for only one of 339 or 341B.

HA 340A
Units: 1.5
Hours: 3-0
Formerly: half of 441
The 15th Century in Northern Europe
A consideration of aspects of 15th century art and architecture in Northern Europe. Issues to be studied may include: the impact of humanism in the North; artistic response to the Protestant Reformation; print culture; patronage questions; materials and methods; function and setting; changes in style and taste.

Note: Credit will be granted for only one of 340B, 441.

HA 341A
Units: 1.5
Hours: 3-0
The 15th Century in Italy
The art and architecture of Italy during the Early Renaissance of the 15th century. Works of art and artists’ careers will be examined within the context of themes such as: patronage; materials and methods; function and setting; and religious and intellectual climate.

Note: Credit will be granted for only one of 341A, 341.

HA 342A
Units: 1.5
Hours: 3-0
The 17th Century in Italy
A consideration of aspects of 17th century Italian art and architecture, particularly in Rome. The careers and works of individual artists will be related to topics such as: patterns of patronage; religious and political functions of art; changes in style and taste; critical attitudes.

Note: Credit will be granted for only one of 342A, 342.

HA 342B
Units: 1.5
Hours: 3-0
The 17th Century in Northern Europe
A study of art in Northern Europe, especially Holland and Flanders, during the 17th century. The emphasis will be on social, political and religious factors that influenced the functions and consumption of images.

Note: Credit will be granted for only one of 342B, 342.

HA 343A
Units: 1.5
Hours: 3-0
The 18th Century in Italy
A study of developments in Italian art and architecture during the 18th century. Particular attention will be paid to Venice as an artistic centre, and the works of individual artists will be considered within contexts such as: the aims and effects of church, state and private patronage; foreign markets and influences; attitudes of art critics and collectors.

Note: Credit will be granted for only one of 343A, 343.

HA 343B
Units: 1.5
Hours: 3-0
The 18th Century in Northern Europe
A consideration of art and architecture in northern Europe, especially France and Britain, during the 18th century. Emphasis will be placed upon examining works of art within the contexts of political ideologies, social roles, and theoretical debate.

Note: Credit will be granted for only one of 343B, 343.

HA 344
Units: 1.5
Hours: 3-0
Art Theory and Criticism in Early Modern Europe
A study of selected texts from the period c. 1480-1780, when a body of literature emerged in which the aims and evaluation criteria of the visual arts were systematically articulated and debated. Texts will be discussed in relationship to changing artistic practices, and to relevant aspects of European social and intellectual history.

Note: Credit will be granted for only one of 340A, 441.

HA 348
Units: 1.5
Hours: 3-0
Introduction to Islamic Archaeology
An introduction to the archaeological investigation of the Islamic world. Covering a period from the 7th to the 19th century, the course employs case studies to examine urban life, religious identity, agriculture,
trade and communications in the Middle East, North Africa, and the Iberian Peninsula.

HA 349 Units: 1.5 Hours: 3-0
Islam and the West: Artistic Contacts, 1500-1900
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 351A Units: 1.5 Hours: 3-0
Painting in Medieval Islam
A survey of painting in Islam from the 11th to the 15th century. The course concentrates on the arts of the book.

HA 351B Units: 1.5 Hours: 3-0
Painting in Iran
A survey of painting in Iran from the 15th to the 19th century. The course concentrates on the arts of the book.

HA 352 Units: 1.5 Hours: 3-0
Formerly: half of 351
The Genesis of Islamic Art and Architecture
An examination of the background, origins, and evolution of early Islamic art and architecture from the 7th-century rise of Islam to the end of the 9th century. The course will investigate the fundamentals of Islamic art 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.

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.

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 artfacts, 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 Sultanates of the Muslim Mediterranean
The art and architecture of Islam in the lands bordering the Mediterranean (Spain, North Africa, Egypt, Palestine, Syria and Turkey) from the mid-13th to the 20th century. Major areas of emphasis will be the Nasrid dynasty of Spain, the Mamluk dynasty of Egypt, and the Ottoman sultanate of Turkey. Particular attention will be paid to the art of calligraphy and to cross-cultural connections between Islam and Western Europe and Byzantium.

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, Iraq, Central Asia, and Southeast Asia) from the 13th to the 20th century. Beginning with the Mongol invasions of Iran in the mid-13th century, this course will focus on the classic Islamic culture of Iran and its diffusion into Central Asia and India. The arts of the illustrated manuscripts (particularly Persian and Mughal painting) will be a major emphasis.

Note: Credit will be granted for only one of 358, 353.

HA 359 Units: 1.5 Hours: 3-0
Islamic Art from the Mongol Conquests to the Dawn of the Modern Period
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 Ilkhani 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, Lyssiotz, 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 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 375A Units: 1.5 Hours: 3-0
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 379B Units: 1.5 Hours: 3-0
Native 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-native peoples.
Note: Credit will be granted for only one of 375B, 375.

HA 382A Units: 1.5 Hours: 3-0
Native 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 works; cultural contexts; relationships between artistic expression and environment; spirituality; and responses of artists to contact with non-native peoples.
Note: Credit will be granted for only one of 382A, 382.

HA 382B Units: 1.5 Hours: 3-0
Native American Arts
An introduction to arts of the indigenous peoples of the Northwest, Plateau, Woodlands, and Southeast. 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-native peoples.
Note: Credit will be granted for only one of 382B, 382.

HA 383 Units: 1.5 Hours: 3-0
Special Topics in North American Indigenous Arts
An in-depth investigation of a special aspect of, or area in, indigenous arts. Specific topics may vary from year to year.
Note: May be taken more than once for credit in different topics.

HA 384 Units: 1.5 Hours: 3-0
Arts of the Northwest Coast
Advanced-level study of indigenous arts of the Northwest Coast, focusing on artists' responses to historical developments from 1700-present. Topics include creative responses to early contact with non-native peoples; artistic developments in the 19th and 20th centuries; artists' responses to non-native attitudes and activities; and changes and continuities in artistic expression.
Prerequisites: HA 284, or HA 382A prior to 1999, or permission of the instructor

HA 386 Units: 1.5 Hours: 3-0
Approaches to Collections Research
An intensive study of the nature of selected museum and gallery collections and the ways in which they contribute to knowledge. Approaches to researching aspects of museum collections will be highlighted through study visits and assignment work in local museums.
Note: May be taken more than once for credit, depending upon the instructor and emphasis, and with permission of the department.

HA 387A Units: 1.5 Hours: 3-0
European and North American Architecture, 1750 to 1900
A survey of key figures and movements in Western architecture from the 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
Twentieth-Century Architecture in Europe and North America
A survey of key figures and movements in Western architecture between 1900 and today. The work of “modern masters” such as Wright, Le Corbusier, and Mies van der Rohe will be considered, along with that of more traditional architects culminating in the appearance of “post-modernism” in the 1970s.
Note: Credit will be granted for only one of 387A, 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.

HA 400 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 courses: HA 340A, HA 340B, HA 341A, HA 341B, HA 342A, HA 342B, HA 343A, HA 343B, or 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, or HA 344. Will be taught together with a HA graduate seminar.

HA 420 Units: 1.5, formerly 3 Hours: 3-0
Advanced Seminar in Mediterranean Art
An intensive study of a selected aspect of Mediterranean 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 236, 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 344. 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.
Enrollment will be limited to permit seminar format.
Note: May be taken more than once for credit in different topics.
Prerequisites: Fourth-year standing and one of the following courses: HA 340A, HA 340B, HA 341A, HA 341B, HA 342A, HA 342B, HA 343A, HA 343B, HA 344, HIST 360, HIST 361, HIST 362. Will be taught together with a HA graduate seminar.

HA 449 Units: 1.5 Hours: 3-0
Advanced Seminar: “Orientalism” in Art and Architecture
An intensive study of aspects of the European and North American encounter with the Islamic world in the period after 1700.
Prerequisites: Fourth-year standing and one of the following courses: 349, 352, 354, 357, 358, and 359. 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.
HA 451 Units: 1.5 Hours: 3-0
Advanced Seminar in the Arts of Mughal India
An intensive study of an aspect of the art and architecture of Mughal India from the 16th-19th century. Topics will vary.
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 453, MEDI 391, MEDI 392. Will be taught together with a HA graduate seminar.

HA 460 Units: 1.5 or 3.0 Hours: 3-0
Advanced Seminar in 19th or 20th Century Art
Intensive study of some aspect of artistic practice in the modern period. Geographical and cultural area, specific period, and choice of issue may vary depending on instructor.
Prerequisites: Fourth-year standing and one of the following courses: 349, 352, 354, 357, 358, and 359. Will be taught together with a HA graduate seminar.

HA 462 Units: 1.5 Hours: 3-0
Formerly: Also HIST 462
Advanced Seminar in Art and Revolution
Examines the role of art in the major social and political revolutions of the 19th and 20th century.
Note: Credit will be granted for only one of HA 462, HIST 462.

HA 463 Units: 1.5 or 3.0 Hours: 3-0
Advanced Seminar 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. Topics covered 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 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
Advanced Seminar in 19th and/or 20th Century Architecture
An intensive study of a selected aspect of modern architecture (for example, the development of a particular building-type, the work of a certain architect or group of architects, or 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.
Prerequisites: Fourth-year standing and one of the following courses: HA 387A, HA 387B, HA 223. Will be taught together with a HA graduate seminar.

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 388A, HA 388B, HA 268. 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 in 20th Century Native North American Arts
An intensive study of selected aspects of 20th century Native North American arts. Artists, regions and styles discussed will vary.
Topic: TBA
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, EDCI 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 perti-
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 which are considered in the creation of effective policies, object oriented research methods, curatorial approaches to intangible heritage, documentation, information management, access, copyright, curatorial collaborations, and the communication of research through exhibitions, public programming, and print and electronic media.
Notes: - May be taken more than once for credit in different topics.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488C Units: 1.5 Hours: 3-0
Communicating Through Exhibitions
An examination of the role of the exhibition in the museum context and the importance of team work and consultation in exhibition development. Topics include the history, functions and purpose of exhibitions; the role of the artifact; frames of reference for communication; the development of storylines; methodologies for planning; the roles of the curator, educator, registrar, conservator, and other staff; project management; funding and sponsorship; temporary and travelling exhibitions; ethical considerations; and evaluation techniques.
Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

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 the physical and social environment, and the risk assessment, preventive conservation, and treatment guidelines that are utilized to ensure safekeeping of artifacts and specimens in storage, on exhibit, and in use for research or programming purposes. A specialized focus on a collections type may be taken.
Note: Depending upon the instructor and content focus, this course may be taken more than once.

HA 488G Units: 1.5 Hours: 3-0
Public Programming
The course examines the fundamental role of education, interpretation and public programming in museums, galleries, heritage sites and related agencies, and emphasizes the importance of approaches which respond to community interests and reflect curatorial priorities. Planning, delivery, management and evaluation strategies for a range of programming approaches will be discussed.
Notes: - Depending upon the instructor and content focus, this course may be taken more than once.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488H Units: 1.5 Hours: 3-0
Topics in Museum Studies
This course will involve intensive study of some specific aspect or area of museum studies. Content may vary each year.
Notes: - May be taken more than once for credit depending on circumstances.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488I Units: 1.5 Hours: 3-0
Curatorship
This course examines the core curatorial concepts of collections planning, management, research, analysis, documentation, and exhibition development, and relates them to the evolving roles of museums in society. Topics include collections and acquisition policies, object oriented research methods, curatorial approaches to intangible heritage, documentation, information management, access, copyright, curatorial collaborations, and the communication of research through exhibitions, public programming, and print and electronic media.
Notes: - Depending upon the instructor and content focus, this course may be taken more than once.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488K Units: 1.5 Hours: 3-0
Exhibition Design and Installation
An examination of the exhibition design process with a special focus on the design and museological elements which are considered in the creation of effective exhibitions. Topics include the roles of exhibitions; communicating with the visitor; roles of the object; conservation considerations; visitor flow; lighting; colour; storylines; project planning and management; temporary and travelling exhibits; showcase arrangements; production scheduling, installation, and maintenance. Field work, study visits, and the development of a scale model are featured.
Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488L Units: 1.5 Hours: 3-0
Cultural Management in Context
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: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488M Units: 1.5 Hours: 3-0
Topics in Cultural Management
This course will involve intensive study in some special aspect or area of cultural management. Content may vary each year.
Notes: - May be taken more than once for credit depending on circumstances.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488N Units: 1.5 Hours: 3-0
Museum Information Management
Museums hold a wealth of diverse information that is increasingly recognized as a key institutional and community resource. This course explores the dimensions, value, and potential uses of museum information, and focuses on strategic integration and management approaches that utilize computer and Web-based information systems to organize, process, and access information for collections management, curatorial, research, programming, and administrative purposes.
Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

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 integrated, planned approaches to human resource development. Topics include organizational dynamics; leadership and decision-making; board/staff relations; policy development; position descriptions; recruitment; performance planning; communications; legal considerations; and ethics and professionalism.
Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

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 cultural organizations, with particular emphasis on museums and heritage agencies. Topics include the changing funding environment; characteristics of non-profit agencies; strategic, operational and business planning; budgeting and accounting systems; forecasting; fundraising, grantsmanship and revenue development; managing capital projects; and legal and ethical considerations.
Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488R Units: 1.5 Hours: 3-0
Planning in Cultural Organizations
The central role of planning in project development and/or organizational management and change are explored, along with a range of planning principles and methodologies suited to the museum, heritage, and cultural sectors. Content may address specialized aspects of planning.
Notes: - May be taken more than once for credit in different topics.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488S Units: 1.5 Hours: 3-0
Building Community Relationships
Strong, sustained and mutually beneficial relationships with communities are critical to museums, heritage agencies and cultural organizations that seek relevant, positive and socially responsible roles in society. This course explores the complex factors that are reshaping relationships with communities and addresses methods of defining community character.
ics and needs; potential community roles and relationships with cultural organizations; and strategies for creating and maintaining relationships with diverse groups.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 488T Units: 1.5 Hours: 3-0
Leadership in Cultural Organizations
This course explores the nature and attributes of successful cultural sector leaders and institutions and examines contemporary challenges and issues impacting leadership in the cultural sector. Topics include: analysis of institutional issues; assessment of personal leadership capacity; identification of personal goals to enhance leadership capabilities; development of strategies to enhance institutional leadership.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 489 Units: 1.5 Hours: 3-0
Special Studies in Heritage Conservation
A series of special topics courses in the conservation of architectural and other heritage resources with the course numbers HA 489A through HA 489J is offered in either an on-campus immersion format or by distance education.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 489A Units: 1.5 Hours: 3-0
Heritage Area Conservation
Topics in the conservation and rehabilitation of historic urban and rural areas. The historical, aesthetic, economic, social, and legal aspects of heritage area planning will be considered. Case histories and planning models will be discussed. An applied studies project normally will be assigned.

Notes: - Depending upon the instructor and content focus, this course may be taken more than once.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 489C Units: 1.5 Hours: 3-0
Determining Significance of Heritage Resources
Definition of the heritage value or significance of a historic place or resource is a key step in the inventory and management of heritage resources. This course begins with an exploration of the range of historical, aesthetic, social and scientific values that establish the character-defining elements of historic resources, including buildings, structures, historic districts and cultural landscapes. Various methods of inventory and evaluation, from numerical scoring systems to systems that establish historical contexts or thematic studies, are discussed along with their roles in guiding subsequent conservation planning and decision-making.

Note: 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 history, pathology, preservation and repair of selected materials (wood, masonry, brick, plasterwork, metalwork), chromochronology. Laboratory sessions on the examination and analysis of materials will be conducted.

Notes: - Depending on the instructor and content focus, and with permission of the department, this course may be taken more than once.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 489E Units: 1.5 Hours: 3-0
Topics in Architectural Conservation
This course will involve intensive study of some special aspect or area of architectural conservation. Content may vary each year.

Notes: - May be taken more than once for credit depending on circumstances.
- Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 489F Units: 1.5 Hours: 3-0
The Fabric of Heritage Buildings
To preserve heritage buildings, it is necessary to understand the construction techniques and materials which give them their special character. This course examines building styles and structural elements encountered in historic wood and masonry buildings, and the research, investigation and recording techniques used to plan, organize and document the conservation process. Approaches to preservation and adaptation, upgrading to contemporary building and seismic standards, and maintenance planning are covered. Case studies and field work are featured.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 489G 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: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

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: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

HA 489J Units: 1.5 Hours: 3-0
Conserving Historic Structures
The steps involved in identifying and recommending strategies to conserve historic structures are addressed. Topics include the components, materials and systems of historic structures; factors causing deterioration; investigation and documentation techniques; approaches to conservation treatments; and project management strategies. Participants will have opportunities to focus on selected architectural materials and features.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, p. 42.
### Course Listings

#### HINF 140
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** HINF 249
- **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**
  - This course addresses the issues facing a database designer in the development of database applications appropriate for health data of various kinds. The content includes the elements of conceptual, implementation and physical database design to support health information systems.
  - **Note:** Credit will be granted for only one of 200, 300, CSC 370.
  - **Prerequisites:** 172 or 130 and either MATH 151 or MATH 122.

#### HINF 230
- **Units:** 1.5
- **Hours:** 0-3
- **Formerly:** HINF 301
- **Database Management and Development For Health Care Systems**
  - This 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 explore the architecture of a database management system, design a database, implement a database, maintain and administer a database, and 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, 330.
  - **Prerequisites:** 200 or 300 or CSC 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.

#### 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, 230

#### 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**
  - This course provides the principles of bioinformatics, and control in health care versus other industries, politics, power and culture, division of labour, command and control in health care organizations. In doing so, it identifies the issues which Chief Information Officers face in their attempts to provide the right information to the right people, at the right time, and for the right price.
  - **Prerequisites:** 310, 351

#### HINF 320
- **Units:** 1.5
- **Hours:** 3-2
- **Project Management**
  - This course introduces students to legal aspects of their profession, including aspects of confidentiality, privacy, legal liability of software systems and contractual issues. Students will gain an appreciation for legal terminology, reasoning, and processes as well as basic principles of law which apply to and govern health systems in Canada.
  - **Note:** Credit will be granted for only one of 330, NURS 487.

#### HINF 330
- **Units:** 1.5
- **Hours:** 3-0
- **Legal Issues in Health Informatics**
  - A study of current and future technologies used in health care as well as the standards which exist and are emerging. Topics include: emerging medical technologies, bar coding and RFID, PDAs and wireless technologies, telehealth, bioinformatics, smartcards, voice and handwriting recognition technologies, and standards such as HL-7, DICOM, ICD 10, LOINC.
  - **Prerequisites:** 130 or 172 and 280 or permission of the Director.

#### HINF 345
- **Units:** 1.5
- **Hours:** 3-2
- **Formerly:** HINF 445
- **Networks, Interoperability and Systems Security**
  - A management perspective to data communications technology, networks, and distributed processing. Emphasis is on examining the impact of emerging communications technology on health information systems in varying sectors of the health care delivery system. Topics also include: telehealth, home health care monitoring and pervasive computing in health care.
  - **Note:** Credit will be granted for only one of 345, 445.
  - **Prerequisites:** 201.

#### HINF 350
- **Units:** 1.5
- **Hours:** 3-0
- **Human Aspects of Healthcare Information Systems**
  - This course addresses human aspects of health information. It includes discussion of the use of technology to support clinical decision making and decrease the incidence of errors in healthcare. Topics include: information retrieval and cognitive processes, decision making and reasoning, human-computer interaction and usability engineering, patient safety and error reduction, evidence-based medicine, and workflow analysis.

#### HINF 351
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** HINF 451
- **Information Technology Procurement**
  - The methodologies and processes used to select Information Technology (IT) will be investigated, primarily as they apply to Regional Health Authorities (RHA). The primary goal is to appreciate the dynamics and compromises that take place, particularly when a RHA procures IT to support patient care. Students will be encouraged to think from a clinical point of view, as opposed to taking a more technical perspective.
  - **Note:** Credit will be granted for only one of 351, 451.
  - **Prerequisites:** 320

#### HINF 371
- **Units:** 1.5
- **Hours:** 3-0
- **Clinical Methodologies**
  - The process of clinical decision making in diagnosis, treatment, planning and prognosis will be covered. Topics include: alternate models for clinical decision making using subjective and objective data and information, case-based reasoning, and the role of clinical practice guidelines.
  - **Note:** Credit will be granted for only one of 371, 270
  - **Prerequisites:** 280

#### HINF 381
- **Units:** 1.5
- **Hours:** 3-2
- **Epidemiology, Population Health and Public Health**
  - An introduction to the principles and methods of epidemiology particularly as they apply to population health. Topics include: measurements of disease occurrence, study designs (cohort, case-control, randomized clinical trials), surveillance systems of infectious diseases, population health, health promotion and disease prevention issues.
  - **Note:** Credit will be granted for only one of 381, 380.
  - **Prerequisites:** 1.5 units of Statistics.

#### HINF 410
- **Units:** 1.5
- **Hours:** 3-0
- **Information Management and Technology**
  - This course critically examines the application of state-of-the-art IT to economics and social sciences. Topics include the use of information technologies (IT) to support the right information to the right people, at the right time, and for the right price.
  - **Prerequisites:** 310, 351

#### HINF 420
- **Units:** 1.5
- **Hours:** 3-0
- **Societal and Ethical Implications of Information Technology**
  - This readings-based course relies primarily on group work and seminars, during which the societal and ethical implications of computer-based information technologies (IT) will be discussed. The goal of this course is to allow HINF students (as future IT professionals) to achieve a balanced understanding of how IT affects the human condition - as seen from individual, regional and global perspectives. IT-related issues are addressed include privacy, access to information, ethics, autonomy, education, and health. Only open to 4th year HINF students.
  - **Prerequisites:** 320, 310 and 371 and completion of two work terms.

#### HINF 450
- **Units:** 1.5
- **Hours:** 3-2
- **Health Information System Design**
  - Provides thorough coverage of the specific requirements of the development of contemporary and future information systems in health care. To this end, the course covers the technical principles underlying such systems. On this basis knowledge and skills
required for the design, implementation, maintenance and replacement of complex information systems in health care are developed in lectures and exercises including contemporary computer-based aids.

Prerequisites: 200 and CSC 357.

HINF 461  Units: 1.5  Hours: 3-0
System Evaluation and Quality Improvement
Examination of key concepts, methods, and approaches in the field of evaluation. Topics include: formative and summative evaluation, quantitative and qualitative methods, developing performance metrics, total quality management (TQM), core principles of clinical quality improvement (CQI), balanced scorecards and dashboards.

Note: Credit will be granted for only one of 461, 460.

Prerequisites: 361

HINF 470  Units: 1.5  Hours: 3-0
Trends in Health Informatics
Exposes students to the changing role of the consumer and in particular their increasing use of Internet technologies. Topics include: consumer empowerment and consumer health informatics, efficacy of medical information available from web sites, changing the relationship between consumers and providers, and ergonomics.

HINF 490  Units: 1.5 or 3.0
Directed Study
Students wishing to pursue a course of directed readings or of a directed project should consult with a faculty member willing to supervise such a course, formulate a proposal describing both the content of the course and a suitable means of evaluating the student's work. The proposal must then receive the approval of the Director.

Note: May be taken more than once for credit in different topics, normally to a maximum of 3 units.

HINF 491  Units: 1.5  Hours: 3-0
Topics in Health Informatics
Through this course the Program offers advanced topics in various areas of health informatics. Information on the topics available in any given year will be available from the Director. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: May be taken more than once for credit in different topics.

HIST
History
Department of History
Faculty of Humanities

Introductory Courses

HIST 105  Units: 3.0  Hours: 3-0
Formerly: 242
Introduction to 20th Century World History
This is a broad interpretative 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 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 302. 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 socioeconomic history of Chinese civilization from its beginning until its full-scale contacts with Western cultures 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 year 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, 488 (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 philosophical 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 on 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.

2008-09 UVIC CALENDAR
The American Experience in Vietnam

Formerly: part of 315

U.S. Foreign Relations, 1750-1914
Examine the domestic origins and international impact of U.S. foreign relations from the late colonial era to the eve of the First World War. Major themes include American exceptionalism, commercial and territorial expansion and imperialism. The role of technological change, race and gender ideologies will also be considered.

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: Canadian
HIST 319B
Units: 1.5
Hours: 3-0
The United States in the 20th Century: 1945-
A rigorous study of U.S. history from 1945 to the present. Major themes will include domestic and corporate power, immigration, urbanization, race relations, liberal reform and the rise to global power. Note: Credit will be granted for only one of 304A, 304. Open to students with credit in 210.

HIST 319B
Units: 1.5
Hours: 3-0
The United States in the 20th Century: 1890-
An intensive exploration of American history from the late 1890s to the end of the Second World War. Major themes will include industrialism and corporate power, urbanization, immigration, race relations, liberal reform and the rise to global power. Note: Credit will be granted for only one of 304A, 304. Open to students with credit in 210.

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. Note: Credit will be granted for only one of 304B, 320 (if taken in the same topic). - 236 strongly recommended.

HIST 321
Units: 1.5
Hours: 3-0
Tudor-Stuart England
A study of some of the major themes of historical research into the social, cultural, religious and political experiences of English men and women from the Tudor period to the Glorious Revolution of 1688, including the Tudor and Stuart monarchy, the English Civil War, religious beliefs and persecution, gender and popular culture.

HIST 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 ascendancy, including the origins of British military might, the emergence of cabinet and parliamentary government, the American and Industrial Revolutions, the “Glorious Revolution” 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 328
Units: 1.5
Hours: 3-0
Death and the Afterlife in England
A cultural history of death and attitudes towards the afterlife and the supernatural in England from the late Middle Ages to modern times. Subjects include beliefs about heaven, hell and purgatory; medieval ars moriendi; martyrdom and public execution; murder and providential murder sheets and ghost stories; suicide; the emergence of cemeteries; medicine, hospitals and the modern secularization of death; spiritualism and recent New Age approaches. Note: 220 recommended.

HIST 329
Units: 1.5
Hours: 3-0
Power and Popular Culture in England, 1300-1900
Explores the ways in which authority was exercised, legitimized and/or resisted from the 14th through the 19th centuries with topics ranging from the late medieval outlaw Robin Hood and early modern cross-dressing pirates and “highwaywomen” to industrial sabotage such as the Luddites. Emphasis is on class, gender, and popular politics and protest, seeking to reconstruct the mental world of ordinary Englishmen and women who left no written record of their lives. Note: Credit will be granted for only one of 329, 339 F01 (2004W, 2005W).

HIST 330
Units: 1.5
Hours: 3-0
The Bloody Code: Crime in England, 1660-1800
Deals with crime, society and the administration of criminal justice in early modern England. Themes include the political and social backdrop to the “Bloody Code” and contemporary views of criminality, gender and class. Charts the emergence of modern criminal administration - policing, prosecution, trial and punishment - with particular attention to the interrelationship between the law and its social context. Note: Credit will be granted for only one of 330, 339 F01 (2005W).

HIST 334
Units: 3.0
Hours: 3-0
Seminar in British History
Selected topics in British history. Notes: - Enrollment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of the instructor. - Students are advised to consult the department about the topics to be considered. May be taken more than once for credit in different topics with permission of the Chair. - 220 recommended.

HIST 339
Units: 1.5 or 3.0
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.

Advanced Courses: Canadian
HIST 340
Units: 1.5
Hours: 3-0
Power and Popular Culture in Canada, 1867-1900
Explores the ways in which authority was exercised, legitimized and/or resisted from the 14th through the 19th centuries with topics ranging from the late medieval outlaw Robin Hood and early modern cross-dressing pirates and “highwaywomen” to industrial sabotage such as the Luddites. Emphasis is on class, gender, and popular politics and protest, seeking to reconstruct the mental world of ordinary Englishmen and women who left no written record of their lives. Note: Credit will be granted for only one of 329, 339 F01 (2004W, 2005W).

HIST 341
Units: 1.5 or 3.0
Hours: 3-0
Formerly: 482
Historians and the Computer: Theory and Techniques of Social Science History
The course has two main goals: to help students understand and assess research based on quantitative analysis, and to help students gain firsthand experience in the use of computers in Canadian historical research. Students will carry out their own quantitative research project. Note: Credit will be granted for only one of 341, 482.

HIST 342
Units: 3.0
Hours: 3-0
British North America, Conquest to Confederation
A combination of lectures and seminars examining the demographic, economic, social, and cultural history of the area 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.

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<th>Course Code</th>
<th>Units</th>
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<tr>
<td>HIST 343A</td>
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<td>Labouring Lives: Work and Workers in Canada to 1907</td>
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Examines how people made a living in the past, exploring patterns of work in farming, fishing, the fur trade, canal building, crafts and factories. Topics include family and work, gender and work, working-class culture, trade unions, labour politics and the emerging industrial relations system to 1907.

**Notes:** Credit will be granted for only one of 343A, 343B.

**Prerequisites:** 343A or permission of instructor.

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<th>Course Code</th>
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<td>HIST 343B</td>
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<tr>
<td>Labouring Lives: Work and Workers in Canada since 1907</td>
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Explores workplace relationships, workers and their families, labour politics and workers’ organizations from 1907 to the present, focussing on factory work, the labour revolt of 1919, the depression of the 1930s, the industrial relations system, changes in work and occupations in the 20th century, labour and the state, gender and work, and the labour movement.

**Note:** Credit will be granted for only one of 343A, 343B.

**Prerequisites:** 343A or permission of instructor.

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<th>Course Code</th>
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<tr>
<td>HIST 344</td>
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<tr>
<td>Political History of Canada Since Confederation</td>
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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.

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<th>Course Code</th>
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<tr>
<td>HIST 345</td>
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<tr>
<td>Canadian-American Relations</td>
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An exploration of selected issues in the economic, cultural, political, and diplomatic aspects of Canadian-American relations.

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<th>Course Code</th>
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<tr>
<td>HIST 354A</td>
<td>1.5</td>
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<tr>
<td>Northwest America to 1849</td>
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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.

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<th>Course Code</th>
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<tr>
<td>HIST 354B</td>
<td>1.5</td>
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<tr>
<td>British Columbia, 1849-1900</td>
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A study of the foundations of modern British Columbia, beginning with the founding of the colony of Vancouver Island to the emergence of provincial political parties about the end of the 19th century; topics to be considered will include the colonies of Vancouver Island and British Columbia, the gold rush, settlement patterns, the origins of institutional life, Indian policy and Indian-white relations, and early federal-provincial relations.

**Note:** 130, 131 and 132, or 354A strongly recommended.

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<tr>
<td>HIST 355</td>
<td>3.0</td>
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<tr>
<td>British Columbia Since 1885</td>
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The emphasis will be on social, economic, and political developments within the province. Written assignments will be required.

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<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 357A</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Seminar in Canadian Defence Policy</td>
<td></td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 357B</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Seminar in Canadian External Policy</td>
<td></td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 358</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
</tr>
<tr>
<td>Topics in Canadian History</td>
<td></td>
<td></td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 358A</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
</tr>
<tr>
<td>Women in Canada</td>
<td></td>
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</tbody>
</table>

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, 358B (if taken in the same topic).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 358C</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Natives and Newcomers: Historical Encounters in Canada to 1867.</td>
<td></td>
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</tbody>
</table>

An exploration of shifting relationships between Aboriginal peoples and settlers from early contacts to 1867.

**Note:** Credit will be granted for only one of 358C, 358D, 358E (if taken in the same topic).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 358D</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Race and Ethnicity in Canada to 1900</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

An examination of how race and ethnicity emerged as pivotal fault lines in Canada and in North American society.

**Note:** Credit will be granted for only one of 358D, 358E, 358F (if taken in the same topic).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 358F</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Natives and Newcomers: Historical Encounters in Canada Since 1867</td>
<td></td>
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</tbody>
</table>

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 358A, 358D, 358E (if taken in the same topic).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 358G</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Race and Ethnicity in Canada since 1900</td>
<td></td>
<td></td>
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</tbody>
</table>

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, 358H, 358I (1899-2000), 359 (if taken in the same topic).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 359</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
</tr>
<tr>
<td>Seminar in Canadian History</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 360</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>The Renaissance</td>
<td></td>
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</tr>
</tbody>
</table>

A study of the conditions, ideas, and people involved in the intellectual quickening that ushered in the early modern period of European history.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 361</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>The Reformation</td>
<td></td>
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</tbody>
</table>

A history of the people and the political and religious factors involved in the upheavals of the Protestant and Roman Catholic reformations.

<table>
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<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 363</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Revolutionary and Napoleonic Europe, 1789-1815</td>
<td></td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 364A</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>France and International Relations, 1814-1914</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 364B</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>France and International Relations, 1914-82</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 365A</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Social and Cultural History of Modern Europe: 1770-1848</td>
<td></td>
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</tbody>
</table>

An examination of cultural changes in Europe under the impact of the French and industrial revolutions.

**Note:** 240 strongly recommended.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 365B</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Social, Cultural, and Political History of Modern Europe: 1848-1914</td>
<td></td>
<td></td>
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</tbody>
</table>

An examination of the cultural preoccupations of bourgeois Europe towards the fin-de-siecle.

**Note:** 240 strongly recommended.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 366</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Europe Between Two World Wars</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 367</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>The Second World War and the Recovery of Western Europe</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 369</td>
<td>1.5</td>
<td>3-0</td>
</tr>
<tr>
<td>Gender, Religion and Politics in France, 1453-1715</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A political, social and cultural history of France from the Renaissance to the rise of Louis XIV at Versailles.

**Note:** 240 strongly recommended.
<table>
<thead>
<tr>
<th>COURSE LISTINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 370A</td>
</tr>
<tr>
<td>Formerly: 370</td>
</tr>
<tr>
<td>Reaction, Reform and Revolution in France, 1814-1914</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Note: Credit will be granted for only one of 370A, 370. 240 recommended.</td>
</tr>
<tr>
<td>HIST 370B</td>
</tr>
<tr>
<td>Formerly: 371</td>
</tr>
<tr>
<td>Reaction, Reform and Revolution in France, 1914-1982</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Note: Credit will be granted for only one of 370B, 371. 240 recommended.</td>
</tr>
<tr>
<td>HIST 371A</td>
</tr>
<tr>
<td>Image and Reality: Scandals in France, 1785-1870</td>
</tr>
<tr>
<td>A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.</td>
</tr>
<tr>
<td>Note: 363 or 370A recommended.</td>
</tr>
<tr>
<td>HIST 371B</td>
</tr>
<tr>
<td>Image and Reality: Scandals in France, 1870-1982</td>
</tr>
<tr>
<td>A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.</td>
</tr>
<tr>
<td>Note: 363 or 370A recommended.</td>
</tr>
<tr>
<td>HIST 372</td>
</tr>
<tr>
<td>Imperial Germany</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Note: 240 recommended.</td>
</tr>
<tr>
<td>HIST 373</td>
</tr>
<tr>
<td>Weimar and Nazi Germany</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Note: 105 or 240 recommended.</td>
</tr>
<tr>
<td>HIST 374</td>
</tr>
<tr>
<td>Also: SLAV 374</td>
</tr>
<tr>
<td>Imperial Russia, 1689-1917</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Note: Credit will be granted for only one of 374, SLAV 374.</td>
</tr>
<tr>
<td>HIST 376</td>
</tr>
<tr>
<td>Also: SLAV 376</td>
</tr>
<tr>
<td>The Soviet Union and its Successor States, 1917-2000</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Note: Credit will be granted for only one of 376, SLAV 376.</td>
</tr>
<tr>
<td>HIST 377</td>
</tr>
<tr>
<td>Also: SLAV 377</td>
</tr>
<tr>
<td>Modern Ukraine</td>
</tr>
<tr>
<td>Note: Credit will be granted for only one of 377, SLAV 377.</td>
</tr>
<tr>
<td>HIST 380A</td>
</tr>
<tr>
<td>Formerly: 380</td>
</tr>
<tr>
<td>Seminar in Medieval Europe</td>
</tr>
<tr>
<td>A detailed study of selected problems in the history of Medieval Europe. The specific topics to be considered will vary from year to year.</td>
</tr>
<tr>
<td>Notes: - Credit will be granted for only one of 380A, 380 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td>- MEDI 451, The Medievals and the Written Word, may be accepted as an European History course, subject to the limitations set forth in the History departmental regulations and when taught by a member of that Department.</td>
</tr>
<tr>
<td>- 236 strongly recommended.</td>
</tr>
<tr>
<td>HIST 380D</td>
</tr>
<tr>
<td>Individual, Family and Community in Medieval Society</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Note: 236 strongly recommended.</td>
</tr>
<tr>
<td>HIST 380E</td>
</tr>
<tr>
<td>Medieval Foundations of the Western Legal Tradition</td>
</tr>
<tr>
<td>A seminar covering the development of legal ideas of law and the emergence of legal systems. Special attention is placed on major changes in law and jurisprudence during the 11th and 12th centuries.</td>
</tr>
<tr>
<td>Note: 236 strongly recommended.</td>
</tr>
<tr>
<td>HIST 380G</td>
</tr>
<tr>
<td>Medieval Law and Literacy</td>
</tr>
<tr>
<td>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 directly with late medieval manuscript records in English.</td>
</tr>
<tr>
<td>Notes: - Credit will be granted for only one of 380G, 380A F01 (2004-05), MEDI 452 F01 (2004-05).</td>
</tr>
<tr>
<td>- 236 strongly recommended.</td>
</tr>
<tr>
<td>HIST 382A</td>
</tr>
<tr>
<td>Formerly: part of 382</td>
</tr>
<tr>
<td>The Scientific Revolution</td>
</tr>
<tr>
<td>An examination of the rise of the ‘new science’ of the 17th century. Topics include: the interaction between scientific, religious, and philosophical thought; the birth of the experimental method; science and the occult; and the social relations of science.</td>
</tr>
<tr>
<td>Notes: - Credit will be granted for only one of 382A, 382.</td>
</tr>
<tr>
<td>- 260 strongly recommended.</td>
</tr>
<tr>
<td>HIST 382B</td>
</tr>
<tr>
<td>Formerly: part of 382</td>
</tr>
<tr>
<td>The Origins of Modernity</td>
</tr>
<tr>
<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.</td>
</tr>
<tr>
<td>Notes: - Credit will be granted for only one of 382B, 382.</td>
</tr>
<tr>
<td>- 260 and 382A strongly recommended.</td>
</tr>
<tr>
<td>HIST 383A</td>
</tr>
<tr>
<td>Formerly: part of 383</td>
</tr>
<tr>
<td>The Enlightenment in Britain</td>
</tr>
<tr>
<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.</td>
</tr>
<tr>
<td>Notes: - Credit will be granted for only one of 383A, 383.</td>
</tr>
<tr>
<td>- 260, 382A and/or 382B strongly recommended.</td>
</tr>
<tr>
<td>HIST 383B</td>
</tr>
<tr>
<td>Formerly: part of 383</td>
</tr>
<tr>
<td>The Enlightenment in Europe</td>
</tr>
<tr>
<td>An examination of Enlightenment thought and culture in 18th-century Europe. Topics include: the world of the French philosophes; the impact of South Sea voyages on European conceptions of human nature; the possibility of human progress; new forms of historical understanding; and the critique of religion.</td>
</tr>
<tr>
<td>Notes: - Credit will be granted for only one of 383B, 383.</td>
</tr>
<tr>
<td>- 260, 382A and/or 382B strongly recommended.</td>
</tr>
<tr>
<td>HIST 386</td>
</tr>
<tr>
<td>Criminality and Violence in Europe, 1400-1800</td>
</tr>
<tr>
<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.</td>
</tr>
<tr>
<td>Prerequisites: 240 or permission of the instructor.</td>
</tr>
<tr>
<td>HIST 388</td>
</tr>
<tr>
<td>Topics in European History</td>
</tr>
<tr>
<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.</td>
</tr>
<tr>
<td>Note: May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td>HIST 389</td>
</tr>
<tr>
<td>Seminar in European History</td>
</tr>
<tr>
<td>Selected topics in European history.</td>
</tr>
<tr>
<td>Note: May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td>HIST 390</td>
</tr>
<tr>
<td>War in the Modern World, 1755 to the Present</td>
</tr>
<tr>
<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.</td>
</tr>
<tr>
<td>HIST 392</td>
</tr>
<tr>
<td>Seminar in the History of the Second World War</td>
</tr>
<tr>
<td>Selected topics in the history of the Second World War.</td>
</tr>
</tbody>
</table>
Note: May be taken more than once for credit in different topics with permission of the Chair. Open to students with credit in 245.

HIST 393 Units: 1.5 or 3.0 Hours: 3-0
Topics in the Historical Study of Peace and War
Selected aspects of military history and peace studies. Topics to be considered may include war and society; naval history; science, technology, and war; and the history of pacifism.
Note: May be taken more than once for credit in different topics with permission of the Chair.
Prerequisites: 6 units of History; 240 and/or 390 recommended.

HIST 394 Units: 1.5 Hours: 3-0
Seminar in Peace and War Studies
Selected topics in military and peace studies. Students will be encouraged to pursue their own research interests within the confines of course topics. Topics may include: philosophers of peace and war, the social history of war, or the first world war.
Note: May be taken more than once for credit in different topics with permission of the Chair.
Prerequisites: 6 units of History.

HIST 396 Units: 1.5 or 3.0 Hours: 3-0
Topics in the History of Science
An intensive study of selected topics in the history of science; students are advised to consult the department for an outline of the topics to be considered.
Note: The course may be taken more than once for credit in different topics with permission of the Chair.

HIST 398 Units: 3.0
Formerly: 495
Third Year Honours Essay
Supervised readings and research. Students will be required to write a research essay of 7,500-10,000 words under the direction of a member of the department.
Note: Credit will only be granted for one of 398 and 495.

Advanced Courses: Asian

HIST 434A Units: 1.5 Hours: 3-0
Formerly: also PACI 434A
Late Imperial China
A study of politics, society, economy and culture in late imperial China between 1600 and 1912. Focuses on historical continuity and change within the dynamic interactions between tradition and modernity, the state and society, the Chinese and ethnic minorities, as well as China and foreign powers.
Note: Credit will be granted for only one of 434A, PACI 434A.

HIST 434B Units: 1.5 Hours: 3-0
Formerly: also PACI 434B
Twentieth-Century China
An examination of Republican and Communist China between 1912 and 2000. Covers the rise and fall of the Republican democracy and the Nationalist government, as well as the successes, setbacks and reforms of the Communist regime. Emphasis is on the relationships among revolution, modernization, nationalism and communism.
Note: Credit will be granted for only one of 434B, PACI 434B.

HIST 436A Units: 1.5 Hours: 3-0
Rise and Fall of Imperial Japan
Traces the rise of imperial Japan as a reaction to Euro-American imperialism and as a means of "leaving" Asia. It will examine Japan’s expansion in China and the reaction of Chinese people and parties; the extension of the war to the Pacific; and the end of the war and the bombing of Hiroshima and Nagasaki as well as the Occupation period (1945-1952).
Notes: - Credit will be granted for only one of 436A, PACI 436A.
- 256 recommended.

HIST 436B Units: 1.5 Hours: 3-0
Japanese Postwar Economic History
Examines the factors giving rise to rapid economic growth in postwar Japan. These include economic reforms during the Occupation and the peace settlement; rapid capital accumulation in the 1950s; the relationship between exports and imports in economic development, distribution, social factors affecting the economy, the oil crisis and rise in the yen, the “Bubble Economy” and its bursting in the 1990s.
Notes: - Credit will be granted for only one of 436B, PACI 436B.
- 256 recommended.

HIST 436C Units: 1.5 Hours: 3-0
History of Japan-Canada Relations
Examines the history of migration, diplomacy, trade, religion and culture between Japan and Canada for the past 125 years. Issues of race, class and gender will be integrated as will the resulting cultural representations constructed around things and people involved in the Japan-Canada nexus.
Note: 256 strongly recommended.

HIST 438 Units: 1.5 or 3.0 Hours: 3-0
Topics in East Asian History
An intensive study of selected aspects of East Asian history.
Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 439 Units: 1.5 or 3.0 Hours: 3-0
Seminar in East Asian History
Selected topics in East Asian history.
Note: Credit will be granted for only one of 439, PACI 439. May be taken more than once for credit in different topics with permission of the Chair.

Advanced Courses: World and Comparative

HIST 440 Units: 1.5 or 3.0 Hours: 3-0
Topics in Middle East History
An intensive study of selected aspects of modern Middle East history.
Note: Credit will be granted for only one of 440, 468 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the Chair. 105 recommended.

HIST 442 Units: 1.5 or 3.0 Hours: 3-0
Palestinian-Israeli Conflict
The century-long struggle over Palestine/Israel, from the origins of Zionism to the negotiated agreements emerging from the Oslo peace process. Major themes include: the processes and structures of nation-building and state-building; the role played by regional and international actors; the broader context of socio-economic changes; and the possibilities of reconciliation.
Note: Credit will be granted for only one of 442, 468, 469 (if taken in the same topic). 105 recommended.

HIST 443 Units: 1.5 or 3.0 Hours: 3-0
Religion and State in the Modern Middle East
Examines the historical junctures and socio-economic conditions in which modern Islamist movements have emerged. For comparative perspective, the course will study the politicization of Christian and Jewish communities in the Middle East (the Arab East, plus Iran, Turkey, and North Africa), and will also reflect on the political influence of religion in neighboring areas.

Note: Credit will be granted for only one of 443, 468, 469 (if taken in the same topic). 105 recommended.

HIST 451 Units: 1.5 Hours: 3-0
Asian Diaspora: The Chinese Overseas
A historical examination of the Chinese diaspora in Southeast Asia, North America and other continents. Emphasis is on the emigration from China, transformation of Chinatowns, and development of global networks and transnational identities of the Chinese overseas. Course work will also include the exploration of the diasporic experiences of Japanese, Korean, Indian, and other Asian migrants in the global arena.

HIST 455 Units: 1.5 Hours: 3-0
Foundations of Islamic Civilization
A study of the sources of Islamic identity as seen in Muhammad, the Qur’an, theology, law, ritual, and cultural artifacts, from the 7th through the 12th centuries.
Note: Credit will be granted for only one of 455, 265, 468 (if taken in the same topic).

HIST 459 Units: 1.5 Hours: 3-0
History of South Africa
An examination of South Africa from 1652 to 1994, focusing on the contestants for the land, the construction of the modern South African state, and the life and death of apartheid.
Note: Credit will be granted for only one of 459, 468 (if taken in the same topic).

HIST 464 Units: 1.5 Hours: 3-0
British Columbia and the American Pacific Northwest
A comparative examination of one or more topics that are representative of the social, political, or economic histories of British Columbia and the American Pacific Northwest.
Note: May be taken more than once for credit in different topics to a maximum of 6 units with permission of the Chair.

HIST 465 Units: 1.5 or 3.0 Hours: 3-0
Modern Colonial Empires and the Making of the ‘Third World’
A comparative examination of major colonial empires prior to the First World War. Themes include: diversity of historical experience within the Third World; colonial institutions; modes of resistance and collaboration; inter-imperial rivalries; and relations between formal empires and regions of informal dominance.
Note: 240 recommended.

HIST 466 Units: 1.5 or 3.0 Hours: 3-0
Twentieth Century Decolonization in Global Perspective
A comparative treatment of the end of empire. Topics include: changes in conditions globally with special reference to the imperial powers and colonies; strategies of colonial rule; characteristics of distinct independence movements; the superpowers’ roles in decolonization; contrasting transitions to independence.
Note: 105 or 240 recommended.

HIST 467 Units: 1.5 or 3.0 Hours: 3-0
Western Visions of “Other” Societies
An exploration of ideas and images used in the West to characterize peoples defined as ‘different’. Focus is primarily on the colonial period. Aims to analyze and compare views about peoples mainly outside Europe and North America, and to assess such perceptions in historical context.
Note: 240 recommended.
HIST 468 Units: 1.5 or 3.0 Hours: 3-0
Topics in World and Comparative History
Selected topics in world history and comparative history.
Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 469 Units: 1.5 or 3.0 Hours: 3-0
Seminar in Comparative History
Selected topics in comparative history. This course will examine various themes within different historical contexts.
Note: May be taken more than once for credit in different topics with permission of the Chair.

Advanced Specialized Courses

HIST 480 Units: 3.0 Hours: 3-0
Approaches to History
The history of the European and the nature of history as an intellectual discipline.
Prerequisites: Student must be in the Honours program or have permission of the instructor.

HIST 481 Units: 1.5 or 3.0 Hours: 3-0
Doing Digital History: Creating Microhistories for the Internet
A workshop-oriented introduction to the methodology of microhistory, including an orientation to the different archives in Victoria and a research project based on the history of Victoria in the Victorian era. Research skills and basic website creation skills will be taught and the final research product will be a website.
Note: Credit will be granted for only one of 481, 359 (if taken in the same topic), 359 (if taken in the same topic). Preference given to students with at least third-year standing or approval of the department. No prior archival research or website creation skills are necessary.

HIST 490 Units: 1.5 or 3.0
Directed Reading
Students wishing to pursue a course of directed reading should, together with a faculty member willing to supervise such a course, formulate a proposal describing both the content of the course and a suitable means of evaluating the student's work. The proposal must then receive the approval of the Chair of the department.
Note: Students may take this course normally for a total of 6 units, and not more than 3 units in any given year.

HIST 497 Units: 3.0
Honours Thesis
Students will prepare an honours thesis under the direction of a member of the Department. After acceptance of the thesis by the supervising faculty member, the student will defend it in an oral examination. The thesis will be 7,500-10,000 words in length unless it is an expansion of a third-year honours essay (398) in which case it will be 15,000-20,000 words in length.
Note: Credit will only be granted for one of 496 and 497.

HSD
Human and Social Development
Interdisciplinary Courses
Faculty of Human and Social Development

HSD 390 Units: 1.5 or 3.0
Directed Studies
Individual studies involving directed readings, projects, or special studies under the direction of a faculty member. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must be approved by the Dean before students are allowed to register.
Note: Offered as resources permit. May be taken more than once for credit in different topics.

HSD 400 Units: 1.5 Hours: 3-0
Policy in the Human Services
The courses in this program are designed to provide an introduction to the main organizational structures of, and stages in, the policy-making process in Canada, to skills in the analysis of policies and programs in Canadian human services; to critically examine different theories and the rationales through which the welfare state has been examined in various countries, and to develop an appreciation of the interdisciplinary nature of social policy as a field of academic and applied activity.

HSD 401 Units: 1.5 Hours: 3-0
Women in the Human Services
This course provides an opportunity to reflect critically on the experiences of women in their various connections to the human services: as recipients, providers, advocates and policymakers. It explores the social, economic and political influences which have shaped these experiences for diverse groups of women. There is an emphasis on the gendered aspects of programs and policies in the human services, and to the interconnections between the private and public dimensions of women’s lives.

HSD 425 Units: 1.5
Qualitative and Quantitative Analysis
This course provides students with a grounding in the methodologies 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.

HSD 460 Units: 1.5 Hours: 3-0
Special Topics in Human and Social Development
This is a variable content course which will focus on current and emerging issues in the human services. Examples of appropriate content include the prevention and treatment of alcohol and drug abuse and cross-cultural issues in the human services.
Note: Restricted to students in the Faculty of Human and Social Development in the third or fourth year of study. May be taken more than once for credit to a maximum of 3 credits. Offered as resources permit.

HSD 462 Units: 1.5
Perspectives on Substance Use
This is an introductory course on substance use and its impacts, particularly in relation to working with children and families. Students are expected to understand and critically reflect on a range of perspectives and practical responses that flow from these perspectives. There is a particular emphasis on exploring the historical, social, political and cultural contexts of substance use among Aboriginal peoples, children, 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 Units: 1.5
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 Units: 1.5
Introduction to Disability Studies
This course is required for students enrolled in the Child Welfare Specialization and focuses on issues affecting people with disabilities. Current issues in human rights, ethics, and attitudes about disability are examined within a framework of human rights, citizenship and inclusion. The course highlights the skills and knowledge required for anti-ableist practice and includes a critical analysis of theory, policy and practice. Various approaches to the planning and delivery of services are examined with an emphasis on those approaches that facilitate consumer choice and decision-making.

HSD 465 Units: 1.5
Interdisciplinary Practice with Children and Families
This course will provide opportunities for applying the skills, knowledge and beliefs essential for effective interdisciplinary practice with children and families. The course will explore the rationale for and a critical analysis of interdisciplinary practice. The contributions of different disciplines to addressing issues in child and family work will be featured.

HSD 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
Hospitality and Services
Faculty of Business

HSM 415 Units: 1.5 Hours: 3-0
Hospitality and Services Marketing Management
This course focuses on what it takes to design and deliver a superior experience to customers successfully. Among the topics covered are: service design, integrated marketing communication, customer loyalty and relationship management; managing customer participation, service pricing and understanding consumer decision-making.
HUMA 150 Units: 1.5 Hours: 1-2 Tools, Techniques, and Culture of the Digital Humanities
A survey of the tools, techniques, and culture of humanities computing. Topics include: impact of computing on society and academia; 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 Hours: 1-2 Digital Representation and Creation in a Humanities Context
Examines the impact of computing on society and academia, 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.

HUMA 350 Units: 1.5 Hours: 1-2 Key Applications: Electronic Publishing and Computer-Assisted Analysis
Examination of key applications for digital humanities work in electronic publishing and the analysis of electronic objects within traditional, and new, frameworks of humanistic inquiry. Topics include: a survey of ways of knowing and ways of expressing knowledge in the humanities; advanced text encoding (TEI-XML); the generation of textual corpora; numerical and graphical analysis with relational databases, spreadsheets, and purpose-built software; and publication tools (such as XSLT) and systems.

HUMA 450 Units: 1.5 Hours: 1-2 Digital Humanities Project Seminar
Seminar culminating in the completion of a large individual student project integrating digital humanities concerns with those at the core of the student's disciplines. Topics include: implications of a digital approach to disciplinary work; project planning and management; tools and techniques. Meetings also include consultation sessions. Projects are carried out in conjunction with the department of the student's program.

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.

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, EPHE, IA, IET, ME.
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.
Note: Travel fees apply for this course.
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.

IET

Intercultural Education and Training

Diploma in Intercultural Education and Training

Interdisciplinary Programs
Courses offered by the Faculty of Education are also found under the following course codes: AE, ED, ED-P, EDCI, EPHE, IA, IET, ME.

IET 400 Units: 1.5 or 3.0
Practicum in Intercultural Education and Training
Students may choose to undertake a 1.5 or 3.0 unit practicum toward the end of their program. A practicum focuses on an area of professional interest and provides an opportunity to consider intercultural principles and issues in a practical setting. 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.

IET 410 Units: 1.5 or 3.0
Final Project in Intercultural Education and Training
Students may choose to undertake a 1.5 or 3.0 unit final project toward the end of the Intercultural Education and Training Program. The final project provides an opportunity to demonstrate knowledge of both theory and practice in a selected area of intercultural studies.
Grading: INP, COM, N or F.

IGOV 383 Units: 1.5
The Indigenous-State Relationship
This course will consider the traditional nature and contemporary evolution of the relationship between indigenous people and the state in a global context, with a special emphasis on local dynamics and the situation of indigenous governments in relation to the Canadian federal system. A focus will be placed on contrasting indigenous perspectives with an understanding of the current status of the relationship in legal, political and economic terms. The various processes and concepts used in the discussion of self-government and self-determination will be examined and compared to indigenous notions of nationhood, power and justice.

IGOV 384 Units: 1.5-3.0
Special Issues in Indigenous Governance
This course will provide students with an opportunity to examine and discuss the most relevant of contemporary issues facing indigenous governments. Topics and instructors will vary, and respond to pressing problems or concerns as determined by the students.
Note: May be taken more than once for credit in different topics.

IGOV 385 Units: 1.5
Economy, Society and Aboriginal Governance
This course will focus on the economic and social contexts of aboriginal governments in Canada. Matters covered may include the role and importance of land in aboriginal society, resource management, the contemporary socio-economic conditions of aboriginal peoples and their communities, the particular challenges aboriginal peoples encounter in urban settings and the dynamics of economic development. Particular attention will be paid to the historical and cultural dimensions of the subject.
Prerequisites: 380 and 381 or permission of the Program Administrator.

IGOV 480 Units: 1.5
Personnel Management in Indigenous Organizations
This course will focus on the skills and understanding that managers working in indigenous organizations need to work with people to attain effective performance. Topics will include the basic principles of human resource management, labour relations, motivation, job design, performance appraisal, group dynamics, negotiating, time management, conflict management and managerial training and development. A special emphasis will be placed on locating the development of these skills in a context of indigenous cultural traditions and values.
Prerequisites: 380 and 381.

IGOV 481 Units: 1.5
Systems Management in Indigenous Organizations
This course will provide the student with an opportunity to enhance the skills and understandings necessary to develop and effectively operate various systems and programs in indigenous organizations. Topics will include the basic principles of planning, financial management, accounting, budgeting, information systems, evaluation, and project and program development. A special emphasis will be placed on the functioning of these systems in a contemporary indigenous context.
Prerequisites: 380 and 381.

IGOV 482 Units: 1.5
Strategic Communications
This course will provide students with the understanding and skills necessary for effectively managing organizational communications. A focus will be placed on the development of oral and written communications skills in relation to the media, strate-
Indigenous Studies
Program in Indigenous Studies
Interdisciplinary Programs

IS 200 Units: 3.0 Hours: 2-0-1
Introduction to Indigenous Studies
An interdisciplinary, introductory course taught from Indigenous perspectives focused on worldviews, history, land, governance, spirituality, and the arts of Indigenous peoples around the world.

IS 220 Units: 1.5 Hours: 4-0
Preparation Seminar for Indigenous Research Apprenticeships and Community Internships
Weekly seminar to provide students with knowledge and skills for working in First Nations communities, Aboriginal organizations, or within campus-based academic research teams through a Research Apprenticeship (320) or Community Internship (321). Includes a basic overview of historical and contemporary issues facing First Nations, Métis and Inuit peoples and an introduction to western and Indigenous research methodologies, and presentations by representatives from First Nations communities, Aboriginal organizations, and campus-based researchers.

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.

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.

IS 371 Units: 1.5
Also: EDCI 371
The History of First Nations, Métis, and Inuit Education in Canada
Topics include: traditional forms of Aboriginal knowledge and pedagogy before European contact; a historical view of colonization and government legislation and policy pertaining to education; Aboriginal resistance and education initiatives; a general overview of current issues facing Aboriginal Education. Class participants will experience learning through storytelling, modeling, dialogue, experiential learning, and self and group directed learning.

IS 372 Units: 1.5
Also: EDCI 372
Indigenous Epistemologies
Study and celebration of Indigenous knowings and practices (traditional and evolved) of First Nations, Métis, and Inuit people, problematization of the assimilative pressures imposed on Aboriginal peoples since contact. Topic includes: how first peoples think, feel and act as the people of this land; different kinds of Aboriginal oral, spiritual, and written scholarship; epistemological frameworks, methodologies and protocols for validating Indigenous scholarship; ethics and values implied by research teaching, and organizational systems.

IS 373 Units: 1.5
Also: EDCI 373
El TELNIWT and Aboriginal Education
An exploration of ways to address the learning and teaching needs of Aboriginal children, youth, and adults through understanding Indigenous peoples’ relationship with land, language, and community. Topics include: study of who Indigenous peoples are, diversity amongst Indigenous peoples, ways to Indigenize the learning and educational environment, and of the systems that impact service of teachers and learners.

IS 400 Units: 1.5 Hours: 3-0
Special Topics Seminar in Indigenous Studies
An interdisciplinary investigation of a selected Indigenous subject approached from Indigenous perspectives. Seminar to be taken as capstone course for Indigenous Studies Minor. Variable topics will be traditional and/or contemporary in their focus. Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the Director.

ITAL
Italian
Department of Hispanic and Italian Studies
Faculty of Humanities

ITAL 100A Units: 1.5 Hours: 3-1
Formerly: first half of 100
Beginners’ Italian I
Focuses on the acquisition of basic skills of pronunciation, reading, writing, and conversation. The content will include instruction in essential points of grammar, basic syntax, and vocabulary for daily interaction.

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.

ITAL 149 Units: 3.0 Hours: 6-2
Beginners’ Italian
Intensive Italian language instruction for beginning language students. Equivalent to 100A/100B.

ITAL 250A Units: 1.5 Hours: 3-1
Formerly: first half of 200
Review of Grammar and Conversation I
A continuation of 250A. 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.

ITAL 250B Units: 1.5 Hours: 3-0
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.

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.

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 the works of Dante’s Divine Comedy, Boccaccio’s Decameron and Petrarch’s Canzoniere.

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.

ITAL 372
Also: EDCI 372
Indigenous Epistemologies
Study and celebration of Indigenous knowings and practices (traditional and evolved) of First Nations, Métis, and Inuit people, problematization of the assimilative pressures imposed on Aboriginal peoples since contact. Topic includes: how first peoples think, feel and act as the people of this land; different kinds of Aboriginal oral, spiritual, and written scholarship; epistemological frameworks, methodologies and protocols for validating Indigenous scholarship; ethics and values implied by research teaching, and organizational systems.

ITAL 373
Also: EDCI 373
El TELNIWT and Aboriginal Education
An exploration of ways to address the learning and teaching needs of Aboriginal children, youth, and adults through understanding Indigenous peoples’ relationship with land, language, and community. Topics include: study of who Indigenous peoples are, diversity amongst Indigenous peoples, ways to Indigenize the learning and educational environment, and of the systems that impact service of teachers and learners.

ITAL 400
Units: 1.5 Hours: 3-0
Special Topics Seminar in Indigenous Studies
An interdisciplinary investigation of a selected Indigenous subject approached from Indigenous perspectives. Seminar to be taken as capstone course for Indigenous Studies Minor. Variable topics will be traditional and/or contemporary in their focus. Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the Director.

Prerequisites: 200.

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.
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 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: the Inferno, the Purgatorio, and the Paradiso, and their relationship to Courtly Love, mythology, theology, and medieval thought in general.

Note: Credit will be granted for only one of 470, 403.
Prerequisites: Second-year standing.

ITAL 472A  Units: 1.5  Hours: 3-0
Formerly: half of 472
Boccaccio's Decameron (in English)
A study of the human comedy Boccaccio creates in this 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.

Note: Credit will be granted for only one of 478, 370C. May be taken twice in different topics.
Pre- or corequisites: 350 or 351.

ITAL 479A  Units: 1.5  Hours: 3-0
Also: SPAN 479A
Women in the Hispanic and Italian World
A study of major women authors, characters and themes relevant to women's issues in Hispanic and Italian literature.

Note: Credit will be granted for both 479A and SPAN 479A only if taken in different topics.ITAL 479A may be taken twice in different topics.
Pre- or corequisites: 350 or 351 if given in Italian; second-year standing if given in English.

ITAL 479B  Units: 1.5  Hours: 3-0
Also: SPAN 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 1550 to 1550. The second half of the course will examine how and when Early Modern Italian literature, 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 1566. Emphasis will be on the works of such figures as Petrarca, Sannazarro, Bembo, Castiglione, Garciadiego, Herrera, Lope and Cervantes.

Note: Credit will be granted for both 479B and SPAN 479B only if taken in different topics.ITAL 479B may be taken twice in different topics.
Pre- or corequisites: Second-year standing.

ITAL 485  Units: 1.5  Hours: 3-1
Topics in Italian Film
An introduction to major accomplishments in Italian film, from the start of the talkies during Fascist times to contemporary cinema with special emphasis on directors such as De Sica, Rossellini, Fellini and Wertmüller. May be given in Italian or English.

Notes: - Students should contact the department to determine the language of instruction.
- May be taken twice in different topics.
Pre- or corequisites: 350 or 351 if given in Italian; second-year standing if given in English.

ITAL 495  Units: 1.5  Hours: 3-0
Directed Reading Course
A specified reading project for fourth-year students to be determined by the student and the instructor, and the Chair of the department; written assignments will be required.

Note: May be taken more than once in different topics.

JAPA 201A  Units: 1.5  Hours: 3-0
Aspects of Japanese Culture: I
A survey of Japanese culture from earliest times to the mid-nineteenth century. The major trends in Japanese history will be outlined, with emphasis on the outstanding cultural developments of each epoch, especially in the areas of literature, drama, philosophy and religion, and the visual arts. Relevant social backgrounds will also be considered. No knowledge of Japanese language is required.

Note: Credit will be granted for only one of 201A, 201.

JAPA 201B  Units: 1.5  Hours: 3-0
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 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 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 and thought, 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
Japanese Literature in Translation: From Earliest Times to the Beginning of the Middle Ages
A survey, through materials in English translation, of Japanese literature from the aristocratic period to the early days of military rule. Emphasis will be on poetry, literary diaries, and narrative fiction, with considerable attention to The Tale of Genji.

Note: Credit will be granted for only one of 302A, 302.

**Prerequisites:** Second-year standing or permission of the instructor.

**JAPA 302B** Units: 1.5 Hours: 3-0
Japanese Literature in Translation: the Middle Ages and the Early Modern Period
A survey, through selected English translations, of Japanese literature from the middle ages to the eve of the Meiji Restoration. Major literary trends will be examined, including zuihitsu and popular fiction, linked verse and haiku poetry, no drama and the puppet theatre.

Note: Credit will be granted for only one of 302B, 302.

**Prerequisites:** Second-year standing or permission of the instructor.

**JAPA 303A** Units: 1.5 Hours: 3-0
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 readings of works by Natsume Soseki, Mori Ogai, and other novelists, poets and playwrights.

Note: Credit will be granted for only one of 303A, 303. 303B.

**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.

**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 312A** 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
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 Comprehension and Conversation
An advanced course designed to develop knowledge of practical Japanese through listening and speaking practice.

Note: Credit will be granted for only one of 314, 411. Limited to 25 students per section.

**Prerequisites:** A minimum grade of A- in 311 (or 250) or permission of the instructor.

**JAPA 315** Units: 1.5 Hours: 3-0-1
Formerly: part of 411
Advanced Composition: I
An advanced course designed to develop knowledge of written Japanese through practical writing practice.

Note: Credit will be granted for only one of 315, 411. Limited to 25 students per section.

**Prerequisites:** A minimum grade of B+ in 312 or equivalent or permission of the instructor.

**JAPA 316** 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 316, 411. Limited to 25 students per section.

**Prerequisites:** A minimum grade of B+ in 312 or equivalent or permission of the instructor.

**JAPA 320A** Units: 1.5 Hours: 3-0
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
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
Trends in Japanese Cinema, 1960 to Present
This course will examine the philosophies underlying the films of representative directors such as Kurosawa Akira, Mizoguchi Kenji, and Ozu Yasujiro from the pre-war years up to 1960, covering themes which include gender relations, class/ideology, and the place of the individual in society. Classes will be divided between viewing, analysis, and discussion.

**Prerequisites:** Second-year standing or permission of the instructor.

**JAPA 324B** Units: 1.5 Hours: 3-0
Humanism in Japanese Cinema to 1960
This course will examine issues in Japanese cinema from the 1960s to the present day, focusing on such topics as experimentation, social radicalism, the modernist/postmodernist transition, and gender relations. Directors to be considered include Teshigahara, Os-hima, Itami, Miyazaki, and others.

**Prerequisites:** Second-year standing or permission of the instructor.

**JAPA 338** Units: 1.5 or 3.0 Hours: 3-0
Sociolinguistic Issues in Japanese
An examination of the Japanese language in the sociolinguistic 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 359, 358 if taken in the same topic.

**Prerequisites:** Second-year standing or permission of the instructor.

**JAPA 359** Units: 1.5 Hours: 3-0
Love and Sex in Japanese Culture
A seminar on love and sex in Japan, from earliest times to the present day. Class readings, including fiction, drama, and poetry, will be supplemented with student presentations on a variety of topics and texts.

Note: May be taken more than once for credit in different topics to a maximum of 9 units.

**Prerequisites:** Will vary according to the topic; prospective students should consult with the instructor or with the Program Adviser.

**JAPA 360** Units: 1.5 Hours: 3-0
Sociolinguistic Issues in Japanese
A seminar on love and sex in Japan, from earliest times to the present day. Class readings, including fiction, drama, and poetry, will be supplemented with student presentations on a variety of topics and texts.

Note: Credit will be granted for only one of 359, 358 if taken in the same topic.

**Prerequisites:** Second-year standing or permission of the instructor.

**JAPA 390** Units: 1.5 Hours: 3-0
Readings in Modern Japanese Literature: From 1960 to the Present
A seminar intended for advanced students prepared to read literary texts in modern Japanese. Course
COURSE LISTINGS

content will include contemporary fiction, drama and/or poetry, and may vary from year to year.

Note: May be taken more than once for credit with permission of the instructor.

Prerequisites: 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313, or permission of the instructor.

JAPA 403B Units: 1.5 Hours: 3-0
Readings in Modern Japanese Literature: 1900-1960
A seminar for advanced students in reading Japanese texts (fiction, drama and/or poetry) from 1900 to 1960. Course content may vary from year to year.

Note: May be taken more than once for credit with permission of the instructor. Prior completion of 403A is recommended.

Prerequisites: 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313; or permission of the instructor.

JAPA 480* Units: 1.5 or 3.0
Directed Readings in Japanese
This course is designed for advanced students prepared to read extensively in Japanese. Readings will be assigned by the instructor in consultation with the participating students.

Note: May be taken more than once for credit with permission of the instructor and the Japanese Program Adviser. Not open to native speakers.

Prerequisites: JAPA 313 (or 400) or equivalent level of language competence; minimum grade of A- in 312 plus enrollment in 313 or permission of the instructor.

JAPA 481* Units: 1.5 or 3.0
Special Topics
Offered either as a reading course, a tutorial or a seminar in Japanese language, literature or culture, for advanced students. Consult appropriate members of the department about topics and requirements.

Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the instructor and the Japanese Program Adviser. Not open to native speakers.

Pre- or co-requisites: JAPA 313 (or 400) or equivalent level of language competence; minimum grade of A- in 312 plus enrollment in 313 or permission of the instructor.

JAPA 490 Units: 1.5 or 3.0
Directed Studies
This course will normally involve readings and a research project in a particular area of Japanese Studies in which the student is qualified. The individual program of study will be supervised by an appropriate faculty member.

Notes: - May be taken more than once for credit in different topics to a maximum of 6 units.
- Normally for Major or General/Minor students only.

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.

LAS Latin American Studies
Department of Hispanic and Italian Studies
Faculty of Humanities

LAS 300 Units: 1.5 Hours: 3-0
Special Topics in Latin American Studies (in English)
Offers a multidisciplinary perspective on Latin America by focusing on a particular topic. Students will have the opportunity to pursue a related interest. Readings, discussions, and work submitted will be in English.

LAS 499 Units: 1.5
Honours Graduating Essay
Directed readings and research for Honours students to write a research essay of 7,500 to 10,000 words in English or Spanish. This essay can be an expansion of the essay written for LAS 300.

Latin
Department of Greek and Roman Studies
Faculty of Humanities

Students without previous knowledge of Latin will register for LATI 101. Those students who have taken high school Latin should consult the Department before enrolling in any Latin course. LATI 202 is the prerequisite for LATI 301, 307, 308, 309, 310 and 350, three of which will be offered annually. Circumstances permitting. Courses at the 400 level have a prerequisite of at least 3 units of Latin at the 300 level or above, or permission of the Department.

LATI 101 Units: 1.5 Hours: 3-0
Formerly: part of 100
Introductory Latin: I
No previous knowledge of Latin is required. An introduction to the basic grammatical patterns of the language; reading of simple passages of Latin.

Note: Credit will be granted for only one of 101, 100.

LATI 102 Units: 1.5 Hours: 3-0
Formerly: part of 100
Introductory Latin: II
A continuation of 101, completing the survey of basic Latin grammar, and designed to improve students’ ability to read the language.

Note: Credit will be granted for only one of 102, 100.

Prerequisites: 101.

LATI 201 Units: 1.5 Hours: 3-0
Formerly: part of 200
Advanced Latin Grammar
Review of grammar covered in 101 and 102, followed by study of more advanced grammatical constructions. Readings will provide a transition from simplified language to genuine literary Latin.

Note: Credit will be granted for only one of 201, 200.

Prerequisites: 102 or permission of the department.

LATI 202 Units: 1.5 Hours: 3-0
Formerly: part of 200
Introduction to Latin Literature
Reading of selected Latin authors in prose and poetry, accompanied by review of grammar.

Note: Credit will be granted for only one of 202, 200.

LATI 301 Units: 1.5 Hours: 3-0
Formerly: part of 300A and 390B
Vergil
Selected readings in Latin from one or more of Vergil’s Elegies, Georgics, and Aeneid.

Notes: - Credit will be granted for only one of 301, 390A, 390B.
- This is a variable content course which may be taken more than once for credit in different topics with permission of the instructor.

Prerequisites: 202 or permission of the department.

LATI 307 Units: 1.5 Hours: 3-0
Hunters of the Republic
Readings may be taken from one or both of Sallust and Livy.

Prerequisites: 202 or permission of the department.

LATI 308 Units: 1.5 Hours: 3-0
Cicero
Readings in Latin from the writings of one of Rome’s major intellectual figures and a participant in the political struggles of the late Republic. Texts may include Cicero’s orations, letters, and philosophical works.

Prerequisites: 202 or permission of the department.

LATI 309 Units: 1.5 Hours: 3-0
Ovid
Readings from Ovid’s Metamorphoses or other poems.

Prerequisites: 202 or permission of the department.

LATI 310 Units: 1.5 Hours: 3-0
Roman Love Poetry
Readings may be taken from some or all of the following: Catullus, Propertius, Tibullus, Ovid’s Amores.

Note: Credit will be granted for only one of 310, 401.

Prerequisites: 202 or permission of the department.

LATI 350 Units: 1.5 Hours: 3-0
Also: MEDI 350
Formerly: 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 Aulus Gellius. 
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, concurrency in a federal state, the sources of Canadian Constitutional Law, executive power, legislative authority, delegation, the role of the judiciary, civil liberties, developing issues in Constitutional Law. 
Note: Full year course: 75 hours.

LAW 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 the first-year student 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
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.

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 corrections 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.
Prerequisites: 309

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 a
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<tr>
<th>COURSE LISTINGS</th>
<th>Hours:</th>
<th>Units:</th>
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<tbody>
<tr>
<td><strong>LAW 311</strong> Regulation of Financial Institutions</td>
<td>2-0</td>
<td>1.0</td>
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<tr>
<td>The role played by Canadian banks, insurance companies, and trust and loan companies as financial</td>
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<td>intermediaries and the need for a supervisory framework to protect both the soundness and safety of</td>
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<td>these institutions and the security of their customers. Topics will include jurisdictional issues,</td>
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<td>foreign banking, consumer protection, institutional failures, and multi-national financial service</td>
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<td>agreements. Focus will be concentrated on the governing legislation, current financial statements,</td>
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<td>and contemporary issues presented in the business press.</td>
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<tr>
<td><strong>LAW 312</strong> Debtor and Creditor Relations</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>The course will discuss legal aspects of the collection of judgments; use and problems of</td>
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<td>mechanic’s liens; fraudulent transactions; bankruptcy under provincial and federal law; creditor’s</td>
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<td>arrangements; debtor assistance programs; and bankruptcy.</td>
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<tr>
<td><strong>LAW 313</strong> Securities Regulation</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>An overview of the law and policy aspects of securities regulation including the initial distribution</td>
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<td>of securities, the regulation of secondary market trading, takeover and issue, securities fraud, and</td>
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<tr>
<td>the regulation of security market intermediaries.</td>
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<tr>
<td><strong>LAW 314</strong> Commercial and Consumer Law</td>
<td>2-0</td>
<td>1.0 or 1.5</td>
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<tr>
<td>This course focuses on the commercial and consumer law relating to the sale of goods and services,</td>
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<td>including an examination of the Sale of Goods Act and the Business Practices and Consumer Protection</td>
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<td>Act. Students are also introduced to the Vienna Convention on the International Sale of Goods. This</td>
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<tr>
<td>course was formerly called Sale of Goods (1.0 to 1.5 units).</td>
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<tr>
<td><strong>LAW 315</strong> Business Associations</td>
<td>4-0</td>
<td>2.0 or 2.5</td>
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<td>This course will analyze and discuss various legal forms for carrying on trade. The course</td>
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<td>recognizes that the corporation is one of immense commercial and legal significance as an</td>
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<td>organizational form and will hence stress legislation and materials respecting the modern company.</td>
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<td>Students will, however, be exposed to the sole proprietorship, partnership and related agency</td>
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<tr>
<td>principles.</td>
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<tr>
<td><strong>LAW 316</strong> Secured Transactions and Negotiable Instruments</td>
<td>4-0</td>
<td>2.0</td>
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<tr>
<td>After a brief history of chattel security law, this course will focus upon the law of secured</td>
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<td>transactions in personal property as reflected in the consumer protection and at the corporate level</td>
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<td>and the Personal Property Security Acts. The course will also introduce the student to Bank Act</td>
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<td>security and to the law of negotiable instruments.</td>
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<tr>
<td><strong>LAW 317</strong> Real Property Transactions</td>
<td>4-0</td>
<td>2.0</td>
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<tr>
<td>This course will adopt a transactional perspective and analyze the development of a real property</td>
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<td>transaction from the perspective of the purchase and assessment of title, as well as preparation of</td>
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<td>the file for closing. Brief consideration will be given to condominium law and landlord and tenant</td>
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<td>relations.</td>
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<tr>
<td><strong>LAW 318</strong> Remedies</td>
<td>3-0</td>
<td>1.5 or 2.0</td>
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<tr>
<td>This course seeks to highlight the interaction between the various substantive areas of private law:</td>
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<tr>
<td>torts, property, contract and restitution. Additionally, the interaction between the common law and</td>
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<tr>
<td>equity systems will be developed conceptually and historically. The course will concern itself with</td>
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<tr>
<td>questions regarding damages, specific remedies, restitution, as well as analysis for alternative</td>
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<tr>
<td>methods of remedial action through compensation schemes.</td>
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<tr>
<td><strong>LAW 319</strong> Trusts</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>This course concerns the trust as a mode of disposition of property for the benefit of the</td>
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<tr>
<td>beneficiaries or the trust property. While the trust is flexible, the draft is made with absolute</td>
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<tr>
<td>dispositions. Comparison is made with other concepts of obligations and property holding. The</td>
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<tr>
<td>creation, administration, variation and termination of express trusts are examined, and also the theory</td>
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<tr>
<td>and applicability of resulting and constructive trusts.</td>
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<tr>
<td><strong>LAW 320</strong> Succession and Estate Planning</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>This course involves the study of testamentary and intestate succession. The principles of the law</td>
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<tr>
<td>of wills, both common law and statutory, and the statutory provisions for the distribution of residues</td>
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<tr>
<td>will be examined. The drafting of wills is a feature of this course. Estate planning involves a general</td>
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<tr>
<td>examination of the distribution of assets in life and on death against the background of income,</td>
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<td>inheritance and gift taxes.</td>
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<tr>
<td><strong>LAW 321</strong> Competition Law</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>This course will trace the development of competition law from the common law doctrines of</td>
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<tr>
<td>constraint of trade through the areas of trademarks and statutory regulation of competitive practices</td>
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<tr>
<td>contained in antitrust laws. With a focus on the development of competition law, an examination of</td>
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<tr>
<td>the policy and theory underlying government regulation of restrictive trade practices.</td>
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<tr>
<td><strong>LAW 322</strong> Family Law</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>This course will consider the institution of the family, both in its social and legal contexts.</td>
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<tr>
<td>Specific reference will be had to law relating to marriage, divorce, custody, and inheritance. The</td>
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<tr>
<td>family law will be examined. The course is ideally suited to an interdisciplinary team teaching in</td>
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<tr>
<td>order that the course may helpfully illustrate the impact of legal decision making on the social</td>
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<tr>
<td>unit of the family.</td>
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<tr>
<td><strong>LAW 324</strong> Children and the Law</td>
<td>2-0</td>
<td>1.0 or 1.5</td>
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<tr>
<td>Considering such questions as adoption, affiliation, child protection, juvenile delinquency, custody</td>
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<tr>
<td>and access, this course will focus upon the impact of law and legal institutions on children and</td>
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<td>their relations in society. The course will attempt to bring the knowledge and expertise of specific,</td>
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<tr>
<td>related disciplines to bear upon the development of law and the legal institutions in this area.</td>
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<tr>
<td><strong>LAW 326A</strong> The Independent Employment Relationship</td>
<td>3-0 or 4-0</td>
<td>1.5-2.0</td>
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<tr>
<td>The focus of this course is the law relating to the independent employment relationship. The course</td>
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<tr>
<td>covers the legal background and contemporary context of employment, the formation of the employment</td>
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<td>relationship, the rights and obligations of employers and employees under the contract of employment</td>
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<td>and protective legislation, the termination of employment and enforcement mechanisms. Although British</td>
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<tr>
<td>Columbia is the focus, there is a comparative dimension.</td>
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<tr>
<td><strong>LAW 326B</strong> Labour Law</td>
<td>3-0</td>
<td>1.5-2.0</td>
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<tr>
<td>This course is an introduction to labour law focusing on the decisions of courts, arbitrators and</td>
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<tr>
<td>administers in a collective bargaining setting based on legislation. The course will also cover</td>
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<tr>
<td>collective bargaining for public servants and essential services employees under specific legislative</td>
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<tr>
<td>regimes. The tension between industrial pluralism and human rights in collective bargaining will be</td>
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<tr>
<td>examined. Note: Credit will be granted for only one of LAW 326B and LAW 326.</td>
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<tr>
<td><strong>LAW 327</strong> Jurisprudence</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>A wide variety of topics may be considered in this course in order to develop a theoretical</td>
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<tr>
<td>framework for the purpose and function of law in society. Various schools of jurisprudential thought</td>
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<td>will be analyzed, including the Natural Law school, the Positivist school, the Sociological school,</td>
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<tr>
<td>the American and Scandinavian Realist schools as well as Historical and Anthropological Jurisprudence.</td>
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<tr>
<td><strong>LAW 328</strong> Environmental Law</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>This is a foundational course for students interested in environmental law and policy. Students will</td>
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<tr>
<td>acquire an overview of recent developments and debates within this area. Topics addressed include</td>
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<tr>
<td>federalism and the environment, common law rights and remedies, public participation and judicial</td>
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<td>review, market mechanisms for environmental protection, endangered species, and trade and the</td>
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<td>environment. A key focus concerns the extent to which environmental law reflects, or fails to reflect,</td>
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<td>evolving social and other values.</td>
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<tr>
<td><strong>LAW 330</strong> International Law</td>
<td>3-0</td>
<td>1.5</td>
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<tr>
<td>Public International Law is concerned with the legal relations of states and the individuals who</td>
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<td>compose them. The course seeks to explore the way in which sovereign powers choose to govern their</td>
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<td>interrelations and analyzes problems which confront them. Topics will include an examination of the</td>
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<td>international legal system, modes of international law creation and law enforcement as well as the</td>
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<td>process of international adjudication.</td>
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<tr>
<td><strong>LAW 331</strong> International Ocean Law</td>
<td>3-0</td>
<td>1.0 or 1.5</td>
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<tr>
<td>Introduction to UN Convention on the Law of the Sea as a “constitution of the seas.” Canadian</td>
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<tr>
<td>perspective of how States regulate, enforce and manage uses of the oceans, including vessel</td>
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<tr>
<td>navigation, marine resource exploitation and conservation. Contemporary topics include piracy,</td>
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<td>high seas drift net fishing, the Northwest Passage and the “Line of Death.”</td>
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</tbody>
</table>
LAW 332 Units: 1.5 Hours: 3-0
International Trade Law
International trade constitutes a crucial 30% of Canadian economic activity and this course explores the major legal and policy aspects of the international trade regime in which the Canadian economy operates. The principal emphasis is upon the General Agreement on Tariffs and Trade (GATT) and Canada’s international obligations thereunder, as well as Canada’s trade relationship with the United States. A central feature of this course is the attention paid 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 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 arbitration theory, bargaining structure, grievance resolution, contract interpretation, individual rights and the role of the Labour Relations Board. Prerequisites: 326B

LAW 337 Units: 1.0 or 1.5 Hours: 3-0
Dispute Resolution: Theory and Practice
This course will examine the forms and functions of major dispute processes - mediation, negotiation and adjudication. These are the processes which are critical to lawyers and other persons concerned with preventing or resolving disputes. Both court adjudication and alternative dispute resolution (ADR) will be studied from theoretical, critical and practical perspectives. The course will also examine and develop the skills used in various dispute resolution procedures.

LAW 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. Prerequisites: 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 Métis) in Canada. It will explore the development of Canadian case law relative to these groups and its simultaneous preservation and dispossessions of Indigenous people’s rights. Comparisons will be drawn from other countries dealing with Indigenous 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, visitor 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
This 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 346 A 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. Prerequisites: 315 and 345

LAW 346 B 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 sub-sidiaries and branches, and other aspects of international taxation. Prerequisites: 345

LAW 347 Units: 1.5 Hours: 3-0
Intellectual Property
A study of the concept of intellectual property and the principles and policies of selected areas of intellectual property law, primarily: (a) registered trade marks and related common law provisions and (b) copyright in its categories of “literary,” “dramatic,” “musical,” and “artistic” works and with a focus upon new technologies such as photocopying, videotaping and computer programming. 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: 6-0
Business Law Clinic
Using a clinical approach, this course allows students to apply knowledge gained in LAW 315 Business Associations as they assist small business owners and those who are considering going into business to assess their legal requirements. By working with the Clinic Counsel and with the mentors from the Victoria Bar, students develop practical legal skills and examine the role of the legal profession in the small business environment. Note: May be taken twice for credit to a maximum of 3 units with the approval of the Associate Dean and the instructor. Pre- or corequisites: 315 Grading: COM, N or F.

LAW 350 Units: 3.0-7.5 Hours: 6-0
Clinical Term
Clinical legal education is predicated upon the assumption of a recognized role within the legal system by the law student. The experience gained from the participation in the role becomes the focus for reflection and 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.

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. Prerequisites: 309 Grading: COM, N or F.

LAW 352 Units: 3.0-8.0
Exchange Law Term
With the permission of the Dean, or his or her designee, 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Description</th>
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<tbody>
<tr>
<td>LAW 353A</td>
<td>2.0</td>
<td>0-2-2</td>
<td>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.</td>
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<tr>
<td>LAW 354</td>
<td>1.5</td>
<td>3-0</td>
<td>Forest Law and Policy</td>
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<td>LAW 355</td>
<td>1.5</td>
<td>3-0</td>
<td>Legal Skills</td>
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<td>LAW 356</td>
<td>2.0</td>
<td>4-0</td>
<td>Advocacy</td>
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<td>LAW 357</td>
<td>1.5</td>
<td>3-0</td>
<td>Sexual Orientation and the Law</td>
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<td>LAW 358</td>
<td>1.5</td>
<td>3-0</td>
<td>Race, Ethnicity, Culture and the Law</td>
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<td>LAW 359</td>
<td>1.5</td>
<td>3-0</td>
<td>Civil Liberties and the Charter</td>
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<td>LAW 360</td>
<td>1.5</td>
<td>3-0</td>
<td>The Legal Profession</td>
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<td>LAW 361</td>
<td>1.5</td>
<td>3-0</td>
<td>Historical Foundations of the Common Law</td>
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<tr>
<td>LAW 362</td>
<td>1.5</td>
<td>3-0</td>
<td>Colonial Legal History: Law, State, Society and Culture in Canada and Australia</td>
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<td>LAW 363</td>
<td>1.5</td>
<td>3-0</td>
<td>Conflict of Laws</td>
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<td>LAW 364</td>
<td>1.5</td>
<td>3-0</td>
<td>Law, Governance and Development</td>
</tr>
<tr>
<td>LAW 365</td>
<td>1.0-4.0</td>
<td>2-0</td>
<td>Legal Mooting</td>
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<tr>
<td>LAW 366</td>
<td>1.0 or 1.5</td>
<td>2-0</td>
<td>Patent Law</td>
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<tr>
<td>LAW 367</td>
<td>1.5</td>
<td>3-0</td>
<td>Telecommunications, Entertainment and Media</td>
</tr>
<tr>
<td>LAW 368</td>
<td>1.5</td>
<td>3-0</td>
<td>Indigenous Women and the Law</td>
</tr>
<tr>
<td>LAW 369</td>
<td>1.5</td>
<td>3-0</td>
<td>Feminist Legal Theories</td>
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</table>
liberal legal theory, anti-racist feminism and legal analysis, feminist epistemologies and legal reasoning, and feminist theories regarding women’s relationships to law and to the state.

**LAW 370**  
Units: 1.5  
Hours: 3-0  
**Law and Society in South East Asia**  
This course introduces, in comparative and 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, 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: 0-3  
**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, where European Union law is particularly advanced, 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 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 378**  
Units: 1.5  
Hours: 3-0  
**Advanced Legal Research and Writing**  
This course will build upon the research and writing skills learned in the first year. Students will explore a wide range of research sources, both legal and non-legal, including computer assisted legal research. Students will analyse various types of legal writing. The importance of context, organization and audience in legal writing will be stressed. Parts, sections or clauses of written documents will be analyzed, evaluated, criticized, edited and rewritten to improve and develop the students’ analytical and writing skills.

**LAW 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. Desirous 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 awarded credit for this course twice to a maximum of 4 units, and (2) in exceptional circumstances the course may be taken for only 1 unit. Maximum enrolment: 10.*  
*Grading: COM, N 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  
**Supervised Group Project**  
Upper year students may undertake a program of supervised group study as a basis for working through some common interest in law. Groups will ordinarily have a maximum of twelve members. They will be formed on the students’ initiative but will require the agreement of a faculty member to act as the project supervisor. Students who are contemplating the formation of a group are responsible for designing a project proposal and securing a faculty supervisor. They should discuss their plans with the Dean or Associate Dean as early as possible in the academic year prior to the year in which the project will be undertaken so that the necessary planning can be done and approval secured. All group projects require the written approval of the Dean and may be allowed to extend over two terms. In exceptional circumstances and with the written approval of the Dean, group members may enrol in the course for differing credit values depending on the level of their participation in the project provided that the unit value for each student is determined prior to his or her 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 the second or third years of a student’s program, a student may undertake a substantial research and writing project on a legal subject approved by a member of the Faculty of Law who agrees to supervise the project. With the approval of the Dean or the Dean’s nominee: (1) a student may be awarded credit for two separate supervised research papers provided that the total credit does not exceed 4 units and each paper is started and completed in separate terms; (2) this course may be extended over two terms; and (3) if this course is to be taken for 1 unit only.

**LING**  
**Linguistics**  
Department of Linguistics  
Faculty of Humanities  
Coursed marked * are acceptable for either the BA or the BSc degree.

**LING 099**  
Units: 0  
**English As a Second Language**  
A non-credit course in composition skills for students whose native language is not English - see page 30 for regulations governing such students. Students who do not pass this course will be required to repeat the course in the following term.  
*Note: 3 fee units. The course may be repeated for a total of four terms.*  
*Prerequisites: Qualifying score on LPI.*  
*Grading: Com., N, F.*

**LING 100A**  
Units: 1.5  
**Introduction to Linguistics:**  
An introduction to the subject matter of language and linguistics. Topics studied will include the nature of language through an overview of sound systems,
word structures, writing systems, meaning and lexical sets, and sentence structure.

Notes: - Credit will be granted for only one of 100A, 100, 360, 362.

- Knowledge of a language other than English not necessary.

LING 100B Units: 1.5 Hours: 3-0
Formerly: half of 100

Introduction to Linguistics: II
A more detailed examination of the topics covered in 100A as applied to the study of language in society, and language and mind. Ancillary topics may include trade languages, languages of British Columbia, dialectology, language evolution, dead communica-
tion, and language acquisition.

Note: Credit will be granted for only one of 100B, 100, 360, 362.

Prerequisites: 100A or equivalent.

LING 110 Units: 1.5 Hours: 3-0

Language and Thought
Does the language we speak control or influence the way we think? Explores the nature and origins of language; the psycholinguistic evidence for relationships between cognitive and linguistic structures; possible interactions between language processes and thought processes; the role of perceptual categories and folk science in cognitive mapping.

LING 159 Units: 1.5 Hours: 3-0

First Nations 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 adviser. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate Program in Aboriginal Language Revitalization. May not be counted towards 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.

LING 180 Units: 3.0

Language Revitalization Principles and Practices
An introduction to the profound cultural dynamics associated with language loss, along with contemporary issues, principles, and best practices in the preservation and revitalization of aboriginal languages in Canada and around the world. This course explores the social, political, and psychological dynamics that impact aboriginal languages, along with the factors influencing language maintenance, loss, and revival.

Note: This course is offered in a Summer Institute format and registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.

LING 181 Units: 1.5

Introductory Linguistics for Language Revitalization
An introduction to topics in the study of language and linguistics that provide a foundation for understanding language revitalization. Topics include the nature of sound systems and how they relate to orthographies, word structures and dictionaries, sentence structures and understanding texts, meaning and vocabulary, linguistic aspects of language acquisition and histori-
cal change. The course will help develop understanding of the languages targeted for revitalization, and will provide exposure to linguistic concepts and reference materials.

Note: This course is offered in a Summer Institute format and registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.

LING 182 Units: 1.5

Language Learning and Teaching in Situations of Language Loss
An analysis of principles of language learning and language acquisition in situations of language loss, and an examination of appropriate ways in which a range of formal and informal approaches to language teaching can be utilized in aboriginal community settings. Course topics include forms of language acquisition, teaching and learning strategies, how strategies are related to community needs and goals, and the role of community and community members in teaching and learning.

Note: This course is offered in a Summer Institute format and registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.

LING 183 Units: 3.0

Field Methods for Language Preservation and Revitalization
An examination of planning strategies, protocols, and methods of data collection, analysis, and organization appropriate for field activities associated with language preservation and revitalization. Students will focus on strategies for community involvement, project planning, protocols, ethical and intellectual property issues, use of technology in language documentation, techniques for language study with elders, interview and data recording methods, documentation and database management, and approaches to sharing information.

Note: This course is offered in a Summer Institute format and registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.

LING 184 Units: 1.5

Aboriginal Language Materials Development
Preparation and evaluation of curriculum and classroom materials for teaching Aboriginal languages. Theory and application, curriculum development, and immersion language programs: designs, organizational patterns, materials, and media, change strategies, and evaluation. Micro-teaching will provide practice in the teaching methods under study.

Note: Registration in this course is normally limited to students in the Certificate Program in Aboriginal Language Revitalization. The course is normally offered off-campus.

LING 185 Units: 1.5 or 3.0

Aboriginal Language Revitalization Practicum
An intensive 70 or 140 hour work/study under the mentorship of an Elder or fluent speaker to increase fluency and/or to develop understanding of local language preservation and revitalization issues and strategies. Choice of mentor requires faculty approval. Practicum will focus on local language 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 soci-
cial 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 Hours: 3-0
Formerly: 250 and 251

Introduction to Phonetics and Phonology
Introduction to the phonetic properties of speech sounds and their organization into sound systems. Practice in recognizing, transcribing, and describing sounds. Basic principles and methods of phonologi-
cal analysis and theory.

Note: Credit will be given for only two of 200, 250, 251.

Prerequisites: 100A.

LING 203 Units: 1.5 Hours: 3-0
Formerly: 252; 210B; parts of 210 and 230

Introduction to Morphology and Syntax
Introduction to word structure (morphology) and sentence structure (syntax). Practice in analyzing words and sentences; introduction of elements of morphological and syntactic theories.

Note: Credit will be granted for only one of 203, 210, 210B, 252.

Pre- or corequisites: 100A.

LING 259 Units: 1.5 Hours: 3-0

First Nations Language II
Provides instruction in a First Nations language at the second-year level.

Note: May be taken more than once for credit with 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 Program in Aboriginal Language Revitalization. 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 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.

Notes: - Credit will be granted for only one of 260, CHIN 261.
- 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
Lexical Semantics
An introduction to the linguistic analysis of word meaning, its representation, and its effects on syntax. Topics may include sense relations among words (antonymy, hyponymy, synonymy), lexicalization patterns, lexical aspect, thematic roles and argument structure.
Prerequisites: 100A.

LING 325 Units: 1.5 Hours: 3-0
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 neuropsycholinguistics 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
Investigates topics in linguistic theories of sentence meaning, including relations between sentences (entailment, presupposition, conversational implicature), tense, aspect, modality, quantification and pronounization.
Note: Credit will be granted for only one of 326, 226, 426.
Prerequisites: 100A.

LING 330 Units: 1.5 Hours: 3-0
Formerly: part of 230
Linguistic Typology
Cross-linguistic survey of syntactic and morphological structures and current approaches to language universals and typology.
Note: Credit will be granted for only current 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 otherwise offered in the department of Germanic and Russian Studies. Depending upon demand, a different language will be treated in each given year. Languages offered at present are Polish and Ukrainian.
Notes: - Credit will be granted for only one of 341, SLAV 341.
- May be taken more than once for credit (in different languages) for a maximum of 3 units.
Prerequisites: A previous course in Linguistics or permission of the department.

LING 359 Units: 1.5 Hours: 3-0
First Nations Language III
Provides instruction in a First Nations language at the third-year level.
Note: May be taken more than once for credit with approval of a faculty advisor. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate Program in Aboriginal Language Revitalization. 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 ethnocentric tool and encompass the great range of linguistic phenomena that anthropologists commonly encounter in fieldwork.

LING 364 Units: 1.5 Hours: 3-0
Languages in the Pacific Area
A survey of languages spoken on the islands of the Pacific Ocean (Indonesia, Philippines, Melanesia, Micronesia and Polynesia), their genetic relationships and area groupings; specific languages and families are selected for more detailed discussion, illustrating issues of relevance in linguistic theory and analysis, applied linguistics and sociolinguistics.
Note: Credit will be granted for only one of 364, PACI 364.
Prerequisites: None; 100B recommended.

LING 370A Units: 1.5 Hours: 3-0
Also: PSYC 370A
Psycholinguistics
Offered in collaboration with the department of Psychology. The psychology of language, examining the process of comprehension and production, including language and cognition, conversational discourse, and inference and semantics, among other topics.
Note: Credit will be granted for only one of 370A, 370, PSYC 370, PSYC 370A.

LING 370B Units: 1.5 Hours: 3-0
Also: PSYC 370B
Formerly: 389
Developmental Psycholinguistics
Offered in collaboration with the department of Psychology. The psychological bases of language; the stage by stage acquisition of the phonology, morphology, syntax, and semantics of the child’s first language; the child’s developing metalinguistic abilities; and the child’s growing awareness of the form and function of speech acts, as well as the discourse rules governing conversations.
Note: Credit will be granted for only one of 370B, 369, PSYC 369, PSYC 370B.

LING 372 Units: 1.5 Hours: 3-0
Native Languages of British Columbia
Survey of the semantic, phonological, morphological, and syntactic structure of languages belonging to five different language families of British Columbia, and hypotheses of their history.
Prerequisites: 200 and 203; or 251 and 252.

LING 373 Units: 1.5 Hours: 3-0
Second Language Acquisition
This course examines the process of acquiring a second or additional language. Topics include the nature of learner language, individual differences in language acquisition, the role of input and interaction, similarities and differences in L1 and L2 acquisition, instructed acquisition and the relationship between acquisition research and second language teaching.
Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 374 Units: 1.5 Hours: 3-0
Approaches and Methods in Language Teaching
An introduction to approaches, methods, and techniques in language teaching. Addresses issues such as curriculum development, lesson planning, instructional strategies for teaching different language skills including listening, speaking, reading, writing, grammar and vocabulary, and the use of classroom materials for language teaching. Active classroom observation is a required component of this course. This course contains an element of Practicum and is thus subject to the “Guidelines for Ethical Conduct” and “Regulations Concerning Practice” (page 139).
Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 375 Units: 1.5 Hours: 3-0
Issues in Applied Linguistics
Current issues in applied linguistics with theoretical and practical significance for second and foreign language teaching. Topics will vary, but will normally include language assessment, interactive and sociocultural approaches to language teaching and learning, form-focused instruction and literacy, classroom discourse and pragmatics.
Prerequisites: 373, 374.

LING 376 Units: 1.5 Hours: 3-0
Seminar and Practicum in Applied Linguistics
Contemporary issues in second language teaching and acquisition. Participation in seminars and successful completion of the practicum, including assignments by the sponsor teacher and the supervising instructor, and the student’s practicum report, is required. This course is subject to the “Guidelines for Ethical Conduct” and “Regulations Concerning Practice” (page 139).
Note: Registration is limited to Applied Linguistics students or by permission of the department. Students with credit in 374 from before 2004-2005 must consult the instructor to arrange for second language classroom observation.
Prerequisites: 373, 375.
Pre- or corequisites: 375.
Grading: INP; letter grade.

LING 377 Units: 1.5 Hours: 3-0
Minority Language Issues
Political, social, economic, and historical issues involved in loss of ancestral languages, for immigrants and for aboriginal societies around the globe. Language revitalization and language planning are addressed through the study of historical and contemporary programs for language revitalization among First Nations of the Americas, the Pacific, Europe and Africa. The influences of contemporary language policies and educational concerns are also examined.
Note: Open to students who have credit in LING 377 taken between 1979-81.
LING 378  Units: 1.5  Hours: 3-0  
**Contrastive Linguistics**
An introduction to the contrastive study of languages with respect to their phonological, morphological, syntactic and semantic systems. Special attention is also given to factors related to language learning situations, with reference to transfer and interference from the mother tongue. The language selected to be compared with English will vary from year to year.

**Prerequisites:** A previous course in Linguistics.

LING 380  Units: 1.5  Hours: 2-2  
**Acoustic Phonetics**
A study of the acoustical properties of speech sounds including the basic physical principles involved in the generation and propagation of sound energy and the phenomenon of resonance; students are introduced to experimental instruments and trained in the use of the sound spectrograph for the analysis of speech sounds.

**Prerequisites:** 200, 250 or equivalent.

LING 381  Units: 1.5  Hours: 3-0  
**Physiology of Speech Production**
The physiology of the human speech production and hearing mechanisms including aspects of the respiratory, laryngeal, pharyngeal, and supralaryngeal articulatory systems, speech-sound processing by the ear, and neurological control systems.

**Prerequisites:** 200, 250 or equivalent.

LING 382  Units: 1.5  Hours: 3-0  
**Experimental Phonetics**
This course expands on topics covered in Linguistics 380. Emphasis is placed on the design of phonetic and phonological experiments using electronic systems and introducing computer technology for speech analysis.

**Prerequisites:** 380.

LING 386  Units: 1.5  Hours: 3-0  
**Intonation, Rhythm, Stress, and Tone**
Detailed analysis of the stress and intonation patterns of English with their relationship to grammatical functions; phonetic descriptions of rhythm and voice quality are practised and used to analyze speech in various languages.

**Pre- or corequisites:** 200 or 250.

LING 388  Units: 1.5  Hours: 3-0  
**An Introduction to the Grammar of English Usage**
A basic functional treatment of the grammar of English, with special emphasis on standard Canadian English usage. The parts of speech and their functional relations will be examined.

**Prerequisites:** 373.

LING 389  Units: 1.5  Hours: 3-0  
**Applied Language Usage: Literacy Considerations**
Application of theory to classroom practice as it relates to teaching second language reading and writing skills, orthographic vs. phonological representation, stylistic variation and cultural issues.

**Prerequisites:** 373.

LING 390  Units: 1.5  Hours: 3-0  
**The Growth of Modern English**
The linguistic history of the English language from its Proto-Indo-European origins to the eighteenth century. Topics will include the causes of language change, the development of the phonological, morphosyntactic and lexical systems of English, and the significance of social and regional dialects.

**Note:** Credit will be granted for only one of 390, ENGL 390, ENGL 440.

LING 392  Units: 1.5  Hours: 3-0  
**Canadian English and Dialectology**
An examination of the methods used to research and analyze regional and social dialects, with a focus on research on Canadian English. The distinctive features of Canadian English vocabulary, grammar and pronunciation will be examined along with an overview of the historical factors that have given rise to those features.

**Prerequisites:** A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 395  Units: 1.5  Hours: 3-0  
**Sociolinguistics**
A study of language in its social context, covering aspects of linguistic variation within and across speech communities. Topics include language and class, sex, age, situation and ethnicity; languages in contact (pidgin and creole languages), code-switching and standardization; rules of conversation and respectful address; societal features of language change.

**Prerequisites:** A previous course in Linguistics.

LING 396  Units: 1.5  Hours: 3-0  
**Sociolinguistic Issues in Japanese**
An examination of the Japanese language in its social context. A wide range of sociolinguistic topics will be covered, including non-verbal communication and types of Japanese spoken outside of Japan. Attention will be given to linguistic, dialectal, and stylistic variation in speech communities, and to sociolinguistic considerations such as class, gender, and social setting.

**Note:** Credit will be granted for only one of 396, JAPA 396.

LING 397  Units: 1.5  Hours: 3-0  
**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 barriers created by linguistic and supra-linguistic misunderstandings.

LING 398  Units: 1.5  Hours: 3-0  
**Language and Gender**
A study of the relationship between gender socialization and pragmatics of language use, including the constructs of language and gender in non-English speaking cultures, the history of gender specific language in English, gender and the language of power and solidarity, the pragmatics of “politically correct” language, and issues in verbal and non-verbal communication relating to gender socialization.

**Prerequisites:** None; a previous course in Linguistics is desirable.

LING 403  Units: 1.5  Hours: 3-0  
**Dene (Athabaskan)**
An introduction to the linguistic structures of the Dene (Athabaskan) family of languages, one of the major language families of British Columbia. 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.

**Note:** Credit will be granted for only one of 401, 201.

LING 407  Units: 1.5  Hours: 3-0  
**Wakashan**
An introduction to the linguistic structures of the Wakashan family of languages, one of the major language families in British Columbia. The course may focus on a particular Wakashan language, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Wakashan language communities will be discussed.

**Note:** Credit will be granted for only one credit to a maximum of 3 units, with permission of the instructor.

LING 408  Units: 1.5  Hours: 3-0  
**Morphology**
Issues and current theoretical models used to account for the generation of words. Topics will include identification and classification of morphemes, inflectional and derivational morphology, the nature of lexical representations, and other components of grammar. Topics focus on morphophonology and morphosyntax depending on the instructor.

**Notes:** Credit can be granted for 407 and 408.

- Students with credit in one of 407 or 408 require permission of the instructor.
- May be taken more than once for credit with permission of the instructor.

**Prerequisites:** 200 and 250, or 230 and 251 and 252.

LING 410A  Units: 1.5  Hours: 3-0  
**Syntax**
This course will emphasize syntactic analysis and argumentation in the description of the major structures of English using an extended phrase structure model.

**Prerequisites:** 200 and 250, or 230, 251 and 252.

LING 410B  Units: 1.5  Hours: 3-0  
**Advanced Syntactic Analysis**
Surveys current issues in syntactic theory with particular emphasis on contemporary theories and cross-linguistic analysis.

**Prerequisites:** 410A.

LING 420  Units: 1.5  Hours: 3-0  
**Historical and Comparative Linguistics**
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.

**Prerequisites:** 200 and 250, or Diploma status; or 230 and 251.

LING 431  Units: 1.5  Hours: 3-0  
**History of First Nations Language Research in British Columbia**
Perspectives on the history of research concerning First Nations languages of BC. The course will focus on community-based initiatives in the context of the
impact of church, government, and university policies and personnel.

Prerequisites: A previous course in Linguistics and third-year standing.

LING 438 Units: 1.5 Hours: 3-0
Second Language Phonology
Examines the phonetic and phonological systems of interlanguage including the acquisition of syllables, syllable 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.
Prerequisites: 200.

LING 440 Units: 1.5 Hours: 3-0
Generative Phonology
Description of sound systems using procedures and theoretical bases of generative phonology. It is intended for students who have had an introduction to phonology and who wish to learn language description using distinctive sound features, notational conventions, and rule interaction formalisms.
Prerequisites: 200 or Diploma status.

LING 449 Units: 1.5 Hours: 3-0
Directed Readings in Linguistics
Note: Open only to Major and Honours students with a minimum GPA of 6.50 in Linguistics courses, or by permission of the department.

LING 450 Units: 1.5 Hours: 3-0
Seminar in Languages
Grammatical investigation of a language other than English. The language focus and approach will vary depending on the instructor, and may involve contrastive analysis with another language.
Note: May be taken more than once for credit in different topics to a maximum of 3 units, with permission of the department.
Prerequisites: 200 and 203; or 230, 251 and 252; or permission of the department.

LING 459 Units: 1.5 Hours: 3-0
First Nations Language IV
Provides instruction in a First Nations language at the fourth-year level.
Note: May be taken more than once for credit with 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 Program in Aboriginal Language Revitalization. May not be counted towards a General, Major, or Honours program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.
Prerequisites: 359.

LING 461 Units: 1.5 Hours: 2-2
Linguistic Field Methods
An introduction to the methods of data analysis, organization, and collection required in the field situation. Language chosen for illustration may vary from year to year. The department has a particular interest in North American Indigenous Languages.
Note: May be taken more than once for credit in a different language, with permission of the department.
Pre- or corequisites: 440 and 410A.

LING 482 Units: 1.5 Hours: 3-0
Formerly: part of 481
Computational Linguistics: An Introduction
An introduction to computational methods and concepts in natural language processing and analysis. The principle objective is to develop the knowledge to apply these methods and concepts in other areas of linguistics.
Note: Credit will be granted for only one of 482, 481.

LING 483 Units: 1.5 Hours: 3-0
Formerly: part of 481
Computational Linguistics: Quantitative Methods
An introduction to quantitative methods in the study of natural language, including the application of probability theory in models of linguistic processes and statistical methods in the analysis of linguistic data. Emphasis is on developing the knowledge to evaluate reports of research wherein quantitative methods have been employed.
Note: Credit will be granted for only one of 483, 481.
Prerequisites: 482. A previous course related to phonetics or dialectology recommended.

LING 484 Units: 1.5 Hours: 3-0
Computational Linguistics: Grammars
Computational methods and concepts applied to natural language grammars. The focus is on how sentence analysis processes based on different theories of grammar model the computational resources of the human language processing system.
Prerequisites: 203 or 252; and 481 or 482.

LING 499 Units: 3.0 Hours: 3-0
Honours Thesis
The Honours thesis is to be based on supervised research carried out by the student during the final year. The recommended style and format of the Honours thesis are the same as those stipulated for graduate theses.

MATH Mathematics

Mathematics Department of Mathematics and Statistics
Faculty of Science

MATH 100 Units: 1.5 Hours: 3-0-1
Calculation: I
Review of analytic geometry; functions and graphs; limits; derivatives; techniques and applications of differentiation; antiderivatives; the definite integral and integrals; exponential, logarithmic, and 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 189.
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: 3-0-1
Calculation: 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 189.
Prerequisites: 100 or equivalent.

MATH 102 Units: 1.5 Hours: 3-0
Calculation For Students in the Social and Biological Sciences
Calculus of one variable with applications to the social and biological sciences. Exponential growth.

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 189. Not intended for students who are proficient with the topics covered in Principles of Mathematics 12.
Prerequisites: Principles of Mathematics 11 or equivalent.

MATH 122 Units: 1.5 Hours: 3-0
Formerly: 224
Logic and Foundations
Basic set theory; counting; solution to recurrence relations; logic and quantifiers; properties of integers; mathematical induction; asymptotic notation; introduction to graphs and trees.
Note: Credit will be granted for only one of 122, 224, CENG 245. Not open for credit to students with credit in any of 222, 422 or 423.
Prerequisites: 100 or 102 or 151 or permission of the department.

MATH 133 Units: 1.5 Hours: 3-0-1
Matrix Algebra For Engineers
Complex numbers; matrices and basic matrix operations; vectors; linear equations; determinants; eigenvalues and eigenvectors; linear dependence and independence; orthogonality.
Note: Credit will be granted for only one of 133, 110, 233A.
Prerequisites: Admission to BEEng or BSENG program.

MATH 151 Units: 1.5 Hours: 3-0
Finite Mathematics
Geometric approach to linear programming; linear systems, Gauss-Jordan elimination, matrices, compound interest and annuities, permutations and combinations, binomial 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, 160.
- Intended for prospective Elementary Education students.
Prerequisites: Principles of Mathematics 11 or equivalent; no more than 1.5 units of credit in MATH courses numbered 100 or higher, excluding 120, or permission of department.

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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 160B, 160.
- Intended for prospective Elementary Education students.
Prerequisites: 160A; no more than 3.0 units of credit in MATH courses numbered 120 or higher; excluding 120; or permission of department.

MATH 200 Units: 1.5 Hours: 3-0-1
Calculus of Several Variables
Vectors and vector functions; solid analytic geometry; partial differentiation; directional derivatives and the gradient vector; Lagrange multipliers; multiple integration with applications; cylindrical and spherical coordinates; surface area; line integrals; Green's Theorem. The section of this course for engineering students will also cover the following topics: surface integrals and the divergence theorem.
Note: Credit will be given for only one of 200, 202, 205. If all of 202, 200, and 201 are taken, credit will be given for only 200 and 201.
Prerequisites: 101.

MATH 201 Units: 1.5 Hours: 3-0-1
Introduction to Differential Equations
First order equations; solutions for second order equations and 2-dimensional systems of linear equations with constant coefficients; elementary qualitative methods for nonlinear systems; numerical Euler and Runge-Kutta methods; computer methods; Laplace transform; applications to the physical, biological and social sciences.
Note: Credit will be given for only one of 201, 202, 205. 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 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 208 Units: 1.5 Hours: 3-0
Formerly: 140
Mathematics for Economics and Econometrics
Matrix algebra: basic operations, linear equations, determinants and cofactors, linear independence, solution to linear systems, quadratic forms; partial derivatives, constrained and unconstrained optimization; applications to economics and econometrics.
Note: Credit will be granted for only one of 208, 103, 140, 240. Credit will not be granted for 208 if students have credit for one of 200, 202 or 205, AND one of 133 or 233A.
Prerequisites: 100 or 102; ECON 103, 104; or permission of department.

MATH 222 Units: 1.5 Hours: 3-0
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: At least 3.0 units of MATH 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; translate 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; present value of annuities; general and other annuities; amortization methods; Canadian mortgages; sinking funds; simple annuities; general and other annuities; amortization methods; Canadian mortgages; sinking funds; simple annuities.
Note: Credit will be granted for only one of 299, 199.
Prerequisites: 102 and 151, or 101 and some knowledge of probability.

MATH 299 Units: 1.5 Hours: 3-0
Formerly: 199
Problem-Solving Seminar
A seminar on solving non-routine challenging mathematical problems that require insight, creativity and ingenuity. Strongly recommended to students who wish to participate in Putnam Mathematics Competition.
Note: Credit will be granted for only one of 299, 199.
Prerequisites: Permission of the instructor and a grade of A- or higher in one of 100, 101, 122, 222, 233A, 233C.

MATH 322 Units: 1.5 Hours: 3-0
Intermediate Combinatorics
A study of combinatorial objects, with topics chosen from: representations and generation of permutations and combinations; Gray codes; Latin squares, factorizations of graphs, block designs and finite geometries, partially ordered sets and lattices, Boolean algebras, introduction to error correcting codes.
Prerequisites: 222, or 122 and 233A, or 151 and 233A, or permission of the department.

MATH 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; Poincare-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.
Note: Credit will be granted for only one of 325, 323A, 323C.
Prerequisites: 200, 201, 233A or equivalent.

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; interval 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; 133 or 233A.

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: 233C or 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 and Economics
Selected topics in Numerical Analysis, with applications to Finance and Economics where appropriate. Typical topics include: rounding errors, root finding, systems of linear equations (direct and iterative methods), interpolation and approximation, numerical integration and differentiation, Monte Carlo methods, finite difference methods, binomial methods, convex optimization, dynamic and stochastic optimization.

Note: Credit will be granted for only one of 348, CSC 340, CSC 349A.

Prerequisites: 200; 201; 133 or 233A; and one of 352, STAT 254, STAT 260, ECON 245; or permission of department.

MATH 352 Units: 1.5 Hours: 3-0
Introduction to Probability
Probability spaces, combinatorial analysis, inclusion-exclusion, conditional probability, independence, random variables, expectation, discrete and continuous distributions, limit theorems. Additional topics may include: probabilistic method, Markov chains.

Prerequisites: 200 or 205; 122 or 151.

MATH 360 Units: 1.5 Hours: 3-0
Mathematics for Education and Liberal Arts
A survey of mathematical techniques and methods with a focus on analytical skills and problem solving. Topics will be chosen from the following areas: number theory, Euclidean and non-Euclidean geometry, symmetries of polygons, probability, recurrences, strategy and games, the mathematics of social choice theory, and statistics.

Note: Not open for credit to students in any honours, major, minor or general program offered by the Department of Mathematics and Statistics. May not be used for credit in any degree program in the Faculty of Science or the Faculty of Engineering.

Prerequisites: At least 3.0 units, and no more than 6.0 units, of courses from the Department of Mathematics & Statistics, excluding MATH 120. At least 1.5 units must be MATH courses; or permission of 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 real affine and projective planes; Euclidean geometry; modern elementary geometry; elementary transformations; Euclidean constructions; the fundamental theorem of polygonal dissection; projectivities; proper conics.

Note: Credit will be granted for only one of 368A, 366.

Prerequisites: At least 6.0 units of MATH courses or permission of 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 6.0 units of MATH courses or permission of department.

MATH 375 Units: 1.5 Hours: 3-0
Philosophy of Mathematics
An introduction to problems in the philosophy of mathematics. Topics include: the nature of mathematical objects (are they human constructions, or do they exist independently of us?), the status of the infinite in mathematics, the relationship between mathematics and natural science/physical reality.

Note: Credit will be granted for only one of MATH 375, PHIL 375.

Prerequisites: One of 122, 360, PHIL 203, PHIL 304A, PHIL 370.

MATH 377 Units: 1.5 Hours: 3-0
Mathematical Modelling
The formulation, analysis and interpretation of mathematical models in various areas of application. Both continuous and discrete deterministic and stochastic models will be employed. Mathematical techniques used may include: differential 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 199 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. The formulation, analysis and interpretation of mathematical models in various areas of application.

Pre-or corequisites: 333A or 362 or 368A or permission of the department.

MATH 422 Units: 1.5 Hours: 3-0
Combinatorial Mathematics

Prerequisites: 222 and 233C and at least 1.5 units of 300-level MATH courses, or permission of department.

MATH 423 Units: 1.5 Hours: 3-0
Graph Theory
An introduction to the combinatorial, algorithmic and algebraic aspects of graph theory.

Prerequisites: 222 and at least 3 units of 300-level MATH courses, or permission of 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.

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, 338.

Prerequisites: 325 and 334, or permission of the department.

MATH 445A Units: 1.5 Hours: 3-0
Advanced Ordinary Differential Equations
Nonlinear systems; the Poincaré map; 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 445B 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, homotopy theory, and homotopy theory.

Note: May be taken more than once for credit in different topics with permission of the Chair 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: 492, 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 networks, stochastic processes, discrete optimization, actuarial mathematics, calculus of variations, and fluid mechanics. Information on the topics available in any given year will be available from the Chair of the department.

Note: Entry to this course will be restricted to third or fourth-year students who meet the prerequisites 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 prerequisites specified for the topic to be offered. May be taken more than once in different topics with permission of the Chair of the department.

**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 120** Units: 1.0 Hours: 3-0
Instrumental Jazz: I
A study of techniques for teaching instrumental jazz through performance, beginning improvisation, and listening.

**ME 121** Units: 1.0 Hours: 2-0
Vocal Jazz: I
A study of techniques for teaching vocal jazz through performance and experience. This is a survey course covering repertoire, history, conducting, style, sound systems, rhythm sections, national standards. Emphasis is on participation and listening.

**ME 122** Units: 1.0 Hours: 1-1
World Music Workshop
A study of aural techniques in a selection of world music styles through performance, improvisation, and listening.

**ME 180** Units: 1.0 Hours: 0-3
Ensembles
Large Ensembles, including Don Wright University of Victoria Symphonic Winds.

Note: May be taken more than once for credit to a maximum of 4 units.

**ME 201** Units: 1.5 Hours: 3-0
Music Education Seminar: I
A study of the foundations of music education for secondary schools. School experience will be required.

Pre- or corequisites: 101.

**ME 205** Units: 1.5 Hours: 3-0
Music Fundamentals
Introduction to the language of music including sight reading, ear training and analysis. Normally followed by 206.

Note: Credit will 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, 106, 204, 304, ED-A 705, ED-A 706.

Pre- or corequisites: 205 or MUS 101A, B, and 170.

**ME 207** Units: 1.5 Hours: 3-0
Music in the Elementary School Curriculum
A study of programs and materials for elementary schools. Some school experience will be required.

Note: Credit will be granted for only one of 207, 403.

Prerequisites: 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.

Note: For those with little or no piano background. Those with basic piano skills should register in ME 308.

**ME 209A** Units: 1.5 Hours: 3-0
Music Education Special Topics I
Students will be exposed to jazz pedagogy in music education. Topics may include instrumental jazz pedagogy and vocal jazz pedagogy. 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: 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, instru-
mental playing, and movement activities. A school component experience 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, transcription, accompaniments, composition and improvisation.

Note: For those with some piano background (e.g. 208 or equivalent).

**ME 309A** Units: 1.0 Hours: 3-0

Instrumental Techniques
Practical ensemble experience for introductory level instrumental (band/strings) in middle and secondary school classes. Emphasis will be on beginning instrumental methods and techniques.

Note: Credit will be granted for only one of 309A, 216.

Prerequisites: 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 techniques and repertoire.

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 formats.

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 arches; bending moment and shear force diagrams; dry friction.

Note: Credit will be granted for only one of 141, 241 and 245.

**MECH 200** Units: 1.5 Hours: 3-3*

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.

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**MECH 220** Units: 1.5 Hours: 3-3*

Mechanics of Solids: I

* Indicates a 3 hour laboratory taken by students on alternate weeks.

Prerequisites: 141, and MATH 200 which may be taken concurrently.

**MECH 240** Units: 1.5 Hours: 3-0-1

Thermodynamics
Properties and states of simple substances, P-v-T processes, equations of state, ideal gas law, first law of thermodynamics, control volume and control mass analyses, first law thermal efficiency, simple steady flow devices, heat engines, refrigerators, heat pumps, Carnot cycle, entropy, principle of increase of entropy, second law of thermodynamics, reversibility.

Prerequisites: MATH 101

**MECH 242** Units: 1.5 Hours: 3-0-1

Dynamics
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: 141, and MATH 101.

**MECH 285** Units: 1.5 Hours: 3-3*

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 101, 102, or 150.

**MECH 295** Units: 1.5 Hours: 3-0-1

Engineering Fundamentals: II
Ideal gas laws; work and heat; conservation of energy; thermodynamic properties of pure substances; equations of state; applications to open and closed systems; second law of thermodynamics; non-conservation of entropy; energy conversion systems; heat transfer by conduction, convection and radiation.

Note: Credit will be granted for only one of 295, ENGR 270.

Prerequisites: MATH 101.

**MECH 320** Units: 1.5 Hours: 3-3*

Mechanics of Solids: II
Theory of stress and infinitesimal strain in three dimensions, stress and strain tensors and equilibrium equations. Theory of elasticity in Cartesian polar coordinates and its application to curved beams, torsion of prismatic bars, thick walled cylinders, axisymmetric loaded disks, and plate theory. Introduction to fracture mechanics and to finite element analysis of frames and trusses.

* Indicates a 3 hour laboratory taken by students on alternate weeks. Not open to students with credit in 280.

Prerequisites: 220.
MECH 330 Units: 1.5 Hours: 3-3*-1
Machine Dynamics
Balancing of rigid rotors; single plane and two-plane balancing; analytical and experimental field balancing methods. Balancing of reciprocating machines; single cylinder shaking forces, multicylinder engines and compressors of different configurations. Vibration of single-mass systems; free vibration characteristics, harmonic forcing, frequency response functions, applications to vibration isolation and transmissibility, shaft whirl, and vibration transducers. Fourier series solutions for periodic forcing. Multi-mass systems; frequencies and modes for undamped systems, matrix methods, orthogonality of modes and iteration methods. Beam and shaft vibration; Euler equation, frequencies and modes for classical boundary conditions, critical speeds of shafts.
* Indicates a 3 hour laboratory taken by students on alternate weeks.
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 gears. Analysis of static and dynamic loading of mechanisms; flywheel design. Introduction to linkage synthesis, spatial open loop mechanisms with applications to manipulators.
Prerequisites: 242.

MECH 345 Units: 1.5 Hours: 3-3*-1
Mechanics of Fluids: I
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: MATH 200.

MECH 350 Units: 1.5 Hours: 2-3-1
Engineering Design
Design methodology; recognizing and defining open ended engineering problems, generating creative solutions, modelling, analysis, synthesis, computing and testing. Students complete a series of design oriented projects in small teams.
Note: Credit will be granted for only one of 350, 260.
Prerequisites: 200 or ENGR 150 or ELEC 200.

MECH 360 Units: 1.5 Hours: 3-0-1
Design of Mechanical Elements
Quantitative design methods; review of stress analysis, loads determination and static failure theories; fatigue failure arising from time-varying loads; design of specific machine elements: shafts, bearings, gears, screws and fasteners, clutches and brakes; life cycle design methods.
Prerequisites: 220.

MECH 390 Units: 1.5 Hours: 3-3*-1
Energy Conversion
Thermal power generation, vapor and gas cycles, refrigeration and heat pumps, non reacting gas mixtures and psychrometrics, reacting mixtures, combustion, and electro-chemical energy conversion. Exergy (ability to produce work) and second law analysis.
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: 240.

MECH 392 Units: 1.5 Hours: 3-3*-1
Mechanics of Fluids: II
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: 240 and 345.

MECH 395 Units: 1.5 Hours: 3-3*-1
Heat and Mass Transfer
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: 242 and MATH 201.

MECH 400 Units: 1.5 Hours: 0-0-6
Design Project
Complete design of a product or a system; specification of function, analysis, selection of materials, stress calculations, preparation of working drawings, cost analysis and tenders, preparation of final design report and a presentation of final design. Weekly seminar series featuring topics related to design, safety, marketing and management.
Prerequisites: 350 and 360.

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 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 manufacturing and production systems; process engineering and process planning; group technology; forecasting; inventory control; aggregate production planning; material requirements planning; production scheduling; applications of linear programming and artificial intelligence in production process organization.
Prerequisites: STAT 254

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 and 330.

MECH 421 Units: 1.5 Hours: 3-0
Mechanical Vibrations
Multi-mass linear systems; flexibility and stiffness matrices, natural frequencies, mode shapes and orthogonal properties, damped or undamped response to arbitrary force. Linear continuous systems; axial and torsional vibrations of rods, shafts and beams with attached mass or stiffness. Non-linear vibrations; basic methods for solution. Random vibration; elements for describing random response. Fourier transforms and frequency response functions. Prerequisites: 330.

MECH 423 Units: 1.5 Hours: 3-0
Engineering Ceramics
Structures of ceramics, glasses and glass ceramics; properties and applications of oxides, silicates, carbides, borides and nitrides; powder processing, shape forming and sintering; mechanical properties and toughening mechanisms; design concepts for brittle ceramics and Weibull analysis; ceramic capacitors and ferroelectrics; piezoelectric and electrooptic sensors; ceramic matrix composites; ceramic fiber reinforcements for composites.
Prerequisites: 286.

MECH 425 Units: 1.5 Hours: 3-1
Engineering Optimization and Applications
One-dimensional optimization techniques based on region elimination, polynomial approximation, and deviations. Multiple variable optimization techniques, including direct search methods and gradient-based methods. Constrained optimization based on the penalty, feasible direction, reduced gradient, and gradient projection. Introduction to linear programming, integer programming, and quadratic programming. Applications of numerical optimization to solve typical mechanical design, manufacturing, planning and control problems.
Prerequisites: CSC 349A.

MECH 430 Units: 1.5 Hours: 3-1
Robotics
Structure and specifications of robot manipulators; homogeneous transformations; kinematic equations and motion trajectories; dynamic models of robotic manipulators; position and force control; use of robots in industrial applications.
Prerequisites: 335.

MECH 435 Units: 1.5 Hours: 3-3*-1
Formerly: 380
Automatic Control Engineering
Modeling dynamic systems (linear systems and feedback control). Transfer function based analysis and design (transfer functions, root-locus, stability, transient responses). Frequency characteristics design methods (frequency responses, stability, gain and phase margin, 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, including linear theory. Applications: waves on currents, ship waves, refraction problems. Other topics include: waves in shallow water, infinitely deep water, waves on beaches, hydraulic jumps.
Prerequisites: 392.

MECH 443 Units: 1.5 Hours: 3-0
Advanced Thermodynamics
Thermodynamic potentials. Maxwell relations, stability criteria. Barometric formula; applications to clouds, solar chimney, etc. Phase mixtures; chemical potential, osmosis, phase equilibrium, Gibbs phase rule, phase diagrams, fugacity and activity. Reaching mixtures: laws of mass action and applications, enthalpy and entropy constants, heat of reaction, combustion, flames, adiabatic flame temperature, reaction rates.
Thermodynamics of fuel cells: efficiency, causes of losses, comparison with heat engines.

**Prerequisites:** 390.

**MECH 445** Units: 1.5 Hours: 3-0

**Cryogenic Engineering**

**Prerequisites:** 390 and 385.

**MECH 447** Units: 1.5 Hours: 3-0

**Energy Systems**
Characteristics of energy systems: evolution, energy currencies, energy sources, dynamics of energy systems. The role of storage: characteristics of storage technologies, analysis of storage impacts. Review of thermodynamic fundamentals and development of energy balance expression. Efficiency metrics, techno-economic issues associated with the delivery of energy services such as sustainability, emissions, cost, and energy intensity.

**Prerequisites:** 390 and 385.

**MECH 449** Units: 1.5 Hours: 3-0

**Fuel Cell Technologies**

**Prerequisites:** 240 and 345.

**MECH 450** Units: 1.5 Hours: 3-0

**Special Topics**
Practical present in an emerging field or one not covered in regular offerings. Some topics may require laboratory work as well as lectures.

**Notes:** - Offered as MECH 450A, 450B, 450C, 450D, 450E, 450F. - May be taken more than once for credit in different topics with permission of the Chair of the department.

**Prerequisites:** Set by Department depending upon topic.

**MECH 455** Units: 1.5 Hours: 3-3*-1

**Instrumentation**
Overview of fundamental issues associated with measurement systems: response of 0th, 1st, and 2nd order systems, components in a measurement system, effects of digitizing, 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 458** Units: 1.5 Hours: 3-2*

**Mechatronics**
Introduction to mechatronic systems; modeling of mixed mechatronic systems; microcontroller programing and interfacing; data acquisition; sensors and actuators; control architectures and case studies in mechatronics systems.

**Notes:** - *Indicates a 2 hour laboratory taken by students on alternate weeks.
- Credit will be granted for only one of 458, 355, 486/405.

**Prerequisites:** CSC 111 or CSC 115; and ELEC 216 or PHYS 216

**MECH 460** Units: 1.5 Hours: 3-3*-1

**Computer Aided Manufacturing**
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 macro, 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 2 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: 3-2*-1

**Microwave Electromechanical Systems**
Principles of MEMS theory, design and fabrication. Topics include: scaling law principles: micro-mechanical structures for sensing and actuation; electrostatic, micro-thermal, piezoresistive, piezoelectric and micro-magnetic devices; micro-fluidics; micro-optics; microassembly and packaging. Case studies of MEMS device operation and micro-fabrication. *Indicates four 2-hour labs.

**Prerequisites:** PHYS 216 or ELEC 216.

**MECH 471** Units: 1.5 Hours: 3-0

**Fracture, Fatigue and Mechanical Reliability**

**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 matric composites.

**Prerequisites:** 286.

**MECH 475** Units: 1.5 Hours: 3-1

**Aircraft Design**

**Prerequisites:** 242 and 382.

**MECH 485** Units: 1.5 Hours: 3-0

**Mechanism and Manipulator Synthesis**

**Prerequisites:** 335.

**MECH 492** Units: 1.5 Hours: 3-0

**Transport Phenomena**

**Prerequisites:** 392 and 385.

**MECH 493** Units: 1.5 Hours: 3-0

**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 thermofluids systems.

**Prerequisites:** 345, 390, 392 and 385.

**MECH 495** Units: 1.5 Hours: 3-1

**Computational Fluid Dynamics and Heat Transfer**
Methods of predictions and historical perspective; governing differential equations of heat transfer and fluid flow; finite difference methods; discretization schemes; application to heat conduction problems; introduction to control volume formulation for fluid flow and to turbulence modelling; accuracy and convergence considerations. Individual term projects using a CFD program.

**Prerequisites:** 392 and 385.

**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**

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**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.

A01: Writing the Crusades: Christian, Muslim, and Jewish Voices

**Note:** May be taken more than once for credit in different topics to a maximum of 3 units.

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**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.

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**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, 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.

A01: Medieval Mediterranean

**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 recommended.

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**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.

A01: Medieval Mediterranean

**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 recommended.

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**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.

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**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.

A01: The Bible: A Good Read

**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.

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**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.

A01: TBA

**Note:** May be taken more than once for credit in different topics to a maximum of 6 units. MEDI 303 and 304 suggested.

**Prerequisites:** Second-year standing or permission of the Director of Medieval Studies.

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**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.

A01: Medieval Jewish Communities: The Jews of Muslim and Christian Europe and Their Neighbours

**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.

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**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.

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**MEDI 442** Units: 1.5 Hours: 3-0

Also: FREN 442

**Common Grounds in European Medieval Literature (in English)**

Transcendence of national boundaries in literature and scholarship: Latin and French as universal languages. Readings: modern English translations of Latin, Old French and Old/ Middle English texts representing foundational works in various genres. Students enrolled in MEDI 442 must submit all written assignments in English; students enrolled in FREN 442 must submit all written assignments in French.

**Note:** Credit will be granted for only one of 442, FREN 442.

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**MEDI 451** Units: 1.5 Hours: 3-0

Formerly: 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.

A01: The Book before Print

**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.

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**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.

A01: Making the Medieval Manuscript

**Note:** May be taken more than once for credit in different topics to a maximum of 6 units with permission of the Director of Medieval Studies.

**Prerequisites:** Third-year standing or permission of the instructor.

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**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.

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**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.

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**MEST**

**Mediterranean Studies**

**Department of Hispanic and Italian Studies**

**Faculty of Humanities**

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**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 with the instructor.

**Prerequisites:** Honours standing in fourth year.

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**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 Portrayal of the Family in Mediterranean Culture (in English)
Module I, Module II, and Module III
The significance of the family examined through its portrayals in the culture, religion, literature and art of Spain and Italy. Module headings may include “Portrayals of Motherhood,” “Portrayals of the Paterfamilias,” “Portrayals of Childhood,” “The Church Family,” “The Family and Beyond.”

Note: Consists of 3 modules of 4 weeks each. May be taken more than once for credit in different topics to a maximum of 3 units, but students who have already taken any module in the course must obtain 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; BIOL 200, or permission of the department.

MICR 303 Units: 1.5 Hours: 3-0
Formerly: 403
Immunology
The generation of antibody diversity; immune effector mechanisms and their regulation; immunological principles as applied to research and medicine.

Note: Credit will be granted for only one of 303, 403.

Prerequisites: 200A and 200B, or 200; BIOL 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; BIOL 200A and 300B, or 300; or permission of the department.

MICR 405 Units: 1.5 Hours: 3-0
Formerly: BIOL 405
Molecular Biotechnology
Advanced topics in microbiology examining developments and applications of biotechnology. Topics will vary from year to year but will include some of the following: recombinant DNA technologies, bioinformatics, fermentation processes, plant-microbe interactions, plant biotechnology, transgenics, proteomics, aquaculture and related topics in ocean microbiology. Seminars will be presented by visiting experts and several faculty members.

Note: Credit will be granted for only one of 405, BIOL 405.

Prerequisites: 200A and 200B, or 200; BIOL 200A and 300B, or 300.

MICR 408 Units: 1.5 Hours: 3-0
Formerly: part of 301
Microbial Pathogenesis
Bacterial pathogens; emphasis on molecular mechanisms of pathogenesis including antigenic variation, host cell parasitism, evasion of host immune defenses, and mimicry of eukaryotic structures.

Note: Credit will be granted for only one of 408, 301.

Prerequisites: 302 or BIOL 361; 303 or BIOL 360; BIOL 200A and 200B, or BIOL 300A and 200B, 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 3.00 and 4th year standing in the BSc/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 the 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 Bamfield Marine Station. It is expected that the course will generally be of a specialized nature and be at a level appropriate to graduate or senior undergraduate students.

Please visit www.bms.bc.ca for a current list of Special Topics courses.

Note: May be taken more than once for credit with permission of the department.

MRNE 402 Units: 1.5
Special Topics in Marine Biology
This course will be offered, as opportunities arise, by distinguished scientists who are working at the Bamfield Marine Station and are prepared to offer a course extending over a three week period. This course will be of a specialized nature.

Please visit www.bms.bc.ca for a current list of Special Topics courses.

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, laboratory periods, field collection, identification, and observation. Emphasis is placed on the study of living specimens in the laboratory and in the field.

MRNE 412 Units: 3.0
Biology of Marine Fishes
The taxonomic diversity, evolution, ecology and conservation of North Pacific fishes. Laboratory and field topics include fish identification, stable isotope methodologies, database design and statistical analyses, and collecting/fishing techniques. A student field research project is required.

Note: Credit will be granted for only one of 412, BIOL 431, 431A.

Prerequisites: BIOL 215, BIOL 307 recommended.

MRNE 415 Units: 1.5
Structure and Function in Animals
Structure of marine animals, and their adaptations to the marine environment. Neurobiology, developmental biology, functional morphology and other topics.

Prerequisites: BIOL 215, 225, 230

MRNE 420 Units: 3.0
Marine Phyology
A survey of the marine algae, with emphasis on the benthic forms in the vicinity of the Bamfield Marine Station. The course includes lectures, laboratory periods, field collection, identification, and observation. Emphasis is placed on the study of living specimens in the laboratory and in the field.

MRNE 425 Units: 1.5
Ecological Adaptations of Seaweeds
Morphological, physiological, genetic and reproductive adaptations of seaweeds to their natural and man-altered environments.

Prerequisites: 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-
Note: Credit will be granted for only one of 436, BIOL 406.

MRNE 435 Units: 3.0
Introduction to Biological Oceanography
An introduction to the biology of the oceans, with supporting coverage of relevant physics and chemistry. Emphasis will be placed on plankton biology, community structure and life histories, and influencing environmental factors. Collections will be made from sheltered inlets, through Barkley Sound to offshore 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 evolutionary theory. Field surveys and projects will focus on form and function of intertidal taxa and application of multivariate statistical techniques to large data sets.

MRNE 437 Units: 1.5
Marine Population Ecology and Dynamics
An analytical approach to the study of marine ecology and marine populations. Intertidal and subtidal communities will be examined, with emphasis on the biota of the Barkley Sound region.

MRNE 440 Units: 3.0
Biology of Marine Birds
A study of the interrelationship of birds and the marine environment; the systematics and ecological relationships, behavior, life histories, movement and conservation of marine birds; census techniques and methods of studying marine birds in the field will be treated utilizing seabirds and marine-associated birds in the Barkley Sound region. Seabird identification, classification, morphology, plumages and molt will be examined in the laboratory.

MRNE 445 Units: 3.0
Biology of Marine Mammals
A survey course covering systematics and distribution of marine mammals, their sensory capabilities and physiology, with special emphasis on the Cetacea; the course includes lectures, laboratory periods and numerous field trips in the Barkley Sound region. The course will involve an independent field study.

MRNE 450 Units: 1.5
Principles of Aquaculture
An interdisciplinary introduction to the principles underlying the commercial cultivation of aquatic plants and animals emphasizing marine systems. The course will include working site-visits to a range of commercial farms and research and development facilities.

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.

Music

School of Music

Faculty of Fine Arts

Courses that include instrumental or vocal instruction are available only to students registered in the BMus program. Instruction for these courses will be provided by the faculty of the School of Music. BMus students who fail to maintain a course load of at least 9 units (12 in the case of performance majors) will be required to withdraw from any course in the MUS 140-440 (or 145-445) series in which they are registered.

MUS 101A Units: 1.5
Language of Music
The rudiments of music, musical notation and an introduction to strict counterpoint.

MUS 101B Units: 1.5
Language of Music
A continuation of 101A, introducing harmonic concepts and practices.

MUS 105 Units: 2.0
Introduction to Composition
This course is designed to enhance one's understanding of composition and techniques through written exercises and assignments related to 20th-century musical idioms.

MUS 111 Units: 1.5
Elementary Materials of Music
An introduction to the rudiments of music, including pitch and rhythmic notation, basic harmonic language, and a study of the elementary principles of melodic writing and harmony.

MUS 115 Units: 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.

MUS 120A Units: 1.5
History of Music: I
An introductory survey of music and musical values in society through humanistic, cultural, historical and musical-analytical perspectives. These issues will be explored in the context of music from Antiquity to circa 1580.

MUS 120B Units: 1.5
History of Music: II
The development of Western art music from circa 1580 to circa 1770.

MUS 140 Units: 2.0
Individual Tuition
Lessons in instrument or voice.

MUS 141 Units: 1.0
Individual Tuition in a Secondary Instrument or Voice
Lessons in a secondary instrument or voice for exceptional students.

MUS 141A - Strings
MUS 141B - Woodwinds
MUS 141C - Brasses
MUS 141D - Percussion
MUS 141E - Voice
MUS 141F - Keyboards

Music

School of Music

Faculty of Fine Arts

Courses that include instrumental or vocal instruction are available only to students registered in the BMus program. Instruction for these courses will be provided by the faculty of the School of Music. BMus students who fail to maintain a course load of at least 9 units (12 in the case of performance majors) will be required to withdraw from any course in the MUS 140-440 (or 145-445) series in which they are registered.

MUS 101A Units: 1.5
Language of Music
The rudiments of music, musical notation and an introduction to strict counterpoint.

MUS 101B Units: 1.5
Language of Music
A continuation of 101A, introducing harmonic concepts and practices.

MUS 105 Units: 2.0
Introduction to Composition
This course is designed to enhance one's understanding of composition and development in compositional systems, processes and techniques through written exercises and assignments related to 20th-century musical idioms.

Note: Open to all music students; non-Music students by permission of the School.

MUS 111 Units: 1.5
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, 103A, 101A, 101B. Not for credit in the BMus program.

MUS 115 Units: 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
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.

MUS 120B Units: 1.5
History of Music: II
The development of Western art music from circa 1580 to circa 1770.

Note: Credit will be granted for only one of 120B, 110 or 110A.

MUS 140 Units: 2.0
Individual Tuition
Lessons in instrument or voice.

MUS 141 Units: 1.0
Individual Tuition in a Secondary Instrument or Voice
Lessons in a secondary instrument or voice for exceptional students.

MUS 141A - Strings
MUS 141B - Woodwinds
MUS 141C - Brasses
MUS 141D - Percussion
MUS 141E - Voice
MUS 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
Lyric Diction
A study of the basic phonetics and accepted principles of lyric diction of the most commonly used languages in concert and operatic repertoire: Italian, French, German, English. Emphasis on performance.

MUS 170A Units: 0.5
Formerly: MUS 170
Basic Musicianship IA
Beginning sight-singing, dictation and corresponding keyboard skills.

Notes: - All components must be completed in order to pass the course.

- Credit will be granted for only one of 170 and 170A.

Corequisites: 101A

MUS 170B Units: 0.5
Formerly: MUS 170
Basic Musicianship IB
Continuation of MUS 170A.

Notes: - All components must be completed in order to pass the course.

- Credit will be granted for only one of 170 or 170B.

Corequisites: 101B

MUS 172 Units: 1.5
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
Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

MUS 181 Units: 1.0
Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera
Ensemble, Brass Choir, Vocal Jazz Ensemble, Bonehenge 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 19th century explored through analysis and composition.
Prerequisites: 101B or permission of the School.

MUS 201B Units: 1.5 Hours: 3-0
Language of Music
A continuation of 201A. The structural principles, harmonic and contrapuntal practices of tonal music of the 19th century explored through analysis and composition.
Prerequisites: 201A or permission of the School.

MUS 204 Units: 2.0 Hours: 1-1
Music Composition For Non-Majors: I
Composition class for non-Majors.
Note: Attendance at the Master Class Seminar required.
Prerequisites: 105 or permission of the School.

MUS 205 Units: 3.0 Hours: 2-1
Music Composition: I
Individual and class lessons with members of the Music Composition faculty. Compositions for solo and small ensembles. Attendance required at Composition Master Class Seminar.
Note: For Music Composition Majors.
Prerequisites: Admission to Music Composition Major.

MUS 206 Units: 3.0 Hours: 2-1
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 207 Units: 1.5 Hours: 3-0
Music, Science and Computers
An investigation into the historical relationships among music, science and technology, leading to current possibilities in computers and music. The course will focus on the use of computers in music composition, analysis and synthesis of sound. Open to all students.
Note: No prerequisites, though some musical and/or mathematical background is extremely helpful.

MUS 208 Units: 1.5 Hours: 3-0
Popular Music and Society
The topic of the course will vary in different years, and may include music for the cinema, folk music, rock music, the blues, or a specific performer or group.
Note: May be taken more than once for credit to a maximum of 3 units. Not for credit in the BMus program.

MUS 209 Units: 1.5 Hours: 3-0
Topics in Applied Music I
Topics will vary and may include recording and production techniques, the art of performing, commercial music and other related subjects.
Note: May be taken more than once for credit. Not for credit in the BMus program.

MUS 217 Units: 1.5 Hours: 3-0
Understanding Music in Concert
Intended for the general listener, this course is designed to enhance the experience of live concert music. Preparation for attendance at selected School of Music concerts will include live presentation of specific works to be performed as well as information regarding historical context and ideas about style and interpretation.
Note: May be taken more than once for credit. Not for credit in the BMus program.

MUS 220A Units: 1.5 Hours: 3-0
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, 312A, 312B, 110 or 110B.

MUS 220B Units: 1.5 Hours: 3-0
History of Music: IV
The development of Western music from circa 1880 to present.
Note: Credit will be granted for only one of 220B, 312A, 312B, 110 or 110B.

MUS 236 Units: 1.5 Hours: 1-1
Keyboard
Introduction to keyboard music. Students who already possess adequate keyboard skills are not permitted to register for this course.
Note: One or two terms: 2-2 or 1-1.

MUS 240 Units: 2.0 Hours: 0-1
Individual Tuition
Lessons in instrument or voice.

MUS 245 Units: 4.0 Hours: 1-1
Seminar in Performance
Individual tuition and weekly class including discussion of repertoire, pedagogy, and techniques of ensemble performance.
Note: For Performance Majors only.
Prerequisites: Recommendation of the School.

MUS 270A Units: 0.5 Hours: 2-1
Formerly: MUS 270
Basic Musicianhip IIA
A continuation of 170B.
Notes: - All components must be completed in order to pass the course. - Credit will only be granted for one of 270A or 270A.
Prerequisites: MUS 170A & B and 101A & B.
Corequisites: 201A

MUS 270B Units: 0.5 Hours: 2-1
Formerly: MUS 270
Basic Musicianship IIB
A continuation of 270A.
Notes: - All components must be completed in order to pass the course. - Credit will only be granted for one of 270 or 270B.
Prerequisites: 270A
Corequisites: 201B

MUS 280 Units: 1.0 Hours: 0-4
Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

MUS 281 Units: 1.0 Hours: 0-3
Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble, Bonehenge and Accompanying.

MUS 288 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: MUS 188.

MUS 301A Units: 1.5 Hours: 3-0
Language of Music
Prerequisites: 101B and 220B, or permission of the School.

MUS 301B Units: 1.5 Hours: 3-0
Language of Music
Prerequisites: 301A or permission of the School.

MUS 304 Units: 2.0 Hours: 1-1
Music Composition For Non-Majors: II
Composition class for non-Majors.
Note: Attendance at the Master Class Seminar required.
Prerequisites: 204 or 205 or permission of the School.

MUS 305 Units: 3.0 Hours: 2-1
Music Composition: II
Individual and class lessons with members of the Music Composition faculty. Compositions for solo, small and large ensembles.
Note: Attendance required at Master Class Seminar. For Music Composition majors.
Prerequisites: 205 or permission of the School.

MUS 306 Units: 1.5 Hours: 2-4
Recording Techniques
Introduction to the theory and practice of recording and audio technology, including microphones, tape machines, mixers and other studio components. Also introduces the use of computers in modern studio recording and processing. Practical work includes recording sessions and work in a studio.
Prerequisites: 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 intensive studies of music for the cinema, folk music, rock music, the blues, or a specific performer or group.
Note: May be taken more than once for credit to a maximum of 3 units. Not for credit in the BMus program.

MUS 309 Units: 1.5 Hours: 3-0
Topics in Applied Music II
A continuation of 309. Topics may include songwriting, 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 315 Units: 1.5 Hours: 3-0
Topics in Music and the Cinema
Note: Students should consult the School for the specific topic to be considered. May be taken more than once for credit to a maximum of 3 units.
Prerequisites: 120A or permission of the School.
<table>
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<td>MUS 326</td>
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<td>Music and the Environment</td>
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<td>MUS 327</td>
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<tr>
<td>MUS 328A</td>
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<td>101B and 120A or permission of the School.</td>
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<td>MUS 328B</td>
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<td>3-0</td>
<td>Women and Music</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 329</td>
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<td>Women and Music</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 330</td>
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<td>1-1</td>
<td>String Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 331</td>
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<td>3-0</td>
<td>Brass Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 332</td>
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<td>Woodwind Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 333</td>
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<td>Percussion Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<td>Singing for the Stage</td>
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<tr>
<td>MUS 336</td>
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<td>1-0</td>
<td>String Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 337</td>
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<td>3-0</td>
<td>Wind Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<td>3-0</td>
<td>Brass Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 339</td>
<td>1.5</td>
<td>3-0</td>
<td>Percussion Techniques and Mentoring</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 340</td>
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<tr>
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<td>Seminar in Performance</td>
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<tr>
<td>MUS 347A</td>
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<tr>
<td>MUS 347B</td>
<td>1.5</td>
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<td>Introduction to Jazz Improvisation</td>
<td>Formerly: MUS 347</td>
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<tr>
<td>MUS 350A</td>
<td>1.5</td>
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<td>Orchestration</td>
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<tr>
<td>MUS 350B</td>
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<td>3-0</td>
<td>Orchestration</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 351</td>
<td>1.5</td>
<td>2-1</td>
<td>Jazz Arranging</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 356A</td>
<td>1.5</td>
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<td>Basic Conducting</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 356B</td>
<td>1.5</td>
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<td>Basic Conducting</td>
<td>101B and 120A or permission of the School.</td>
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<td>MUS 360</td>
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<td>1-0</td>
<td>Seminar in Chamber Music</td>
<td>101B and 120A or permission of the School.</td>
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<td>MUS 361</td>
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<td>1-0</td>
<td>Issues in Piano Pedagogy</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 362</td>
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<td>Vocal Pedagogy</td>
<td>101B and 120A or permission of the School.</td>
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<td>MUS 364</td>
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<td>Fragments of Art Song</td>
<td>101B and 120A or permission of the School.</td>
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<td>MUS 366</td>
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<td>101B and 120A or permission of the School.</td>
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<td>MUS 370</td>
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<td>0-1</td>
<td>Chamber Music</td>
<td>101B and 120A or permission of the School.</td>
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<tr>
<td>MUS 382</td>
<td>1.0</td>
<td>0-1</td>
<td>Philomela Women's Choir</td>
<td>101B and 120A or permission of the School.</td>
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</tbody>
</table>
MUS 390  Units: 1.5  Hours: 3-0
Special Studies
With the consent of the School, a student who has demonstrated a capacity for independent work may undertake an individual project.
Note: May be taken more than once for credit.

MUS 391  Units: 1.5  Hours: 3-0
Cross-Cultural and Historical Topics in Music
Topics may include: issues in music history, world music, music and society or cross-disciplinary perspectives. No prerequisites. Open to music and non-music students.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.

MUS 401A  Units: 1.5  Hours: 3-0
Topics in Analysis
The study of a particular analytical approach (e.g. Rameau, Schenker) and its applications to a variety of musics.
Note: May be taken more than once for credit in different topics.
Prerequisites: 201B or permission of the School.

MUS 401B  Units: 1.5  Hours: 3-0
Baroque Counterpoint
The contrapuntal language of J.S. Bach, his contemporaries and immediate predecessors, explored through writing and analysis.
Prerequisites: 201B or permission of the School.

MUS 401C  Units: 1.5  Hours: 3-0
Acoustics of Music
The physics of musical sound and the acoustics of musical instruments. Timbre, scales, tuning and temperament. An introduction to psychoacoustical issues.
Prerequisites: 201B or permission of the School.

MUS 401D  Units: 1.5  Hours: 3-0
Jazz Theory
Theoretical aspects of jazz, including its harmonic and formal characteristics.
Prerequisites: 201B or permission of the School.

MUS 404  Units: 2.0  Hours: 1-1
Music Composition For Non-Majors: III
Composition class for non-Majors.
Note: Attendance at the Master Class Seminar required.
Prerequisites: 304 or 305 or permission of the School.

MUS 405  Units: 3.0  Hours: 2-1
Music Composition: III
Individual lessons with members of the Music Composition faculty. Majors will complete and have performed a graduating work of advanced and significant scope.
Note: Attendance at Master Class Seminar required. For Music Composition Majors.
Prerequisites: 305 or permission of the School.

MUS 406A  Units: 1.5  Hours: 2-2
Advanced Recording Techniques
Advanced study of the theory and practice of recording audio technology, studio techniques and procedures. Study includes: advanced stereo microphone techniques, introduction to surround sound, high resolution formats including SACD, DVD-A, DSD, electroacoustic measurements and multi-track recording, and theory. Practical work includes recording sessions, mixing and producing.
Prerequisites: MUS 306.

MUS 406B  Units: 1.5  Hours: 0-3
Sound Recording Seminar
Advanced study of sound recording and music production techniques using the production of a full length CD or DVD as a model. Topics will include techniques in audio post-production and editing with advanced equipment, music production, location recording, and readings of current research and technical papers. This course requires the completion of a full length CD or DVD project.
Prerequisites: MUS 406A.

MUS 407  Units: 3.0  Hours: 0-3
Computer Music Seminar
Advanced work in computer music, including study of software synthesis and analysis of digitized signals, interactive control of synthesizers, and computer-controlled systems.
Prerequisites: 307 and permission of the School.

MUS 421  Units: 1.5  Hours: 2.5-0
Selected Topics in Music History
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 120A and B, 220A and B, and 218B.

MUS 425  Units: 1.5  Hours: 3-0
Jazz History
This one term course follows MUS 325, (Introduction to Jazz History) as an advanced Jazz history course. In-depth presentations including technical, social, and artistic impact will be explored from the Modal revolution to present as defined by the Afro American model, as well as the contributions and diversity of global jazz contributors from a wide geographic spectrum. Special attention will be focused on Canadian artists, and women in jazz.
Note: Credit will be granted for only one of 425, 325B.

MUS 440  Units: 2.0  Hours: 0-1
Individual Tuition
Lessons in instrument or voice.
Note: This course may be taken a second time by students in a fifth year of study who have the permission of the Director of the School of Music. Such students may be required to participate in ensembles.
Prerequisites: MUS 340.

MUS 445  Units: 6.0  Hours: 1-2
Seminar in Performance
Individual tuition, integrated performance seminar and weekly class including discussion of repertoire, pedagogy, and techniques of ensemble performance.
Note: For Performance Majors only.
Prerequisites: 345.

MUS 447  Units: 1.5  Hours: 3-0
Jazz Improvisation
This one term course is an advanced improvisation course which follows MUS 347A. Performance based, participants will explore advanced improvisation including tonal, bi-tonal and free harmonic models, odd meters, contemporary performance practice, and World Music models. Work will include transcriptions and regular concert attendance.
Prerequisites: MUS 347 or 347A.

MUS 448  Units: 1.0  Hours: 0
Graduating Recital
Note: For Performance Majors only.
Prerequisites: 345.
Grading: INC, COM, N OR F.

MUS 456A  Units: 1.5  Hours: 3-0
Choral Conducting
Prerequisites: 356B or permission of the instructor.

MUS 456B  Units: 1.5  Hours: 3-0
Instrumental Conducting
Prerequisites: 356B or permission of the instructor.

MUS 480  Units: 1.0  Hours: 0-4
Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.
Note: May be taken a second time by students in a fifth year of study who have the consent of the Dean of Fine Arts.

MUS 481  Units: 1.0  Hours: 0-3
Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble, Bone-henge and Accompanying.
Note: May be taken a second time by students in a fifth year of study who have the consent of the Dean of Fine Arts.

MUS 488  Units: 1.0  Hours: 0-3
Philemola Women's Choir
A large choral ensemble open to all university students including School of Music students.
Prerequisites: MUS 388.

MUS 490  Units: 1.5  Hours: 3-0
Special Studies
With the consent of the School, a student who has demonstrated a capacity for independent work may undertake an individual project.
Note: May be taken more than once for credit.

MUS 499  Units: 3.0  Hours: 3-0
Graduating Projects in Music History
A graduating project consisting of a major essay, study of selected readings, and an oral defence.
Note: For Music History Majors only.

NURS
Nursing
School of Nursing
Faculty of Human and Social Development
All Nursing courses are open to Nursing students only unless otherwise noted in the course description. When a course is oversubscribed, preference will be given to Nursing students who are closest to graduation. Contact the School of Nursing or refer to current timetable for course offerings.

Courses offered by the School of Nursing are also found under the following course codes: NURA, NUNP and NURP.

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.
Note: Credit will be granted for only one of 325, 320.

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.  
Note: Credit will be granted for only one of 345 or 330 and 331.  

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.  
Prerequisites: Continuing Students: Health III. Post-diploma students: 345.  
Corequisites: Post-diploma and Continuing Students: 351.  

NURS 351  Units: 1.5  Nursing Practice VI  
This nursing practice experience provides opportunities to develop caring relationships with families, groups and communities and/or populations with an emphasis on health promotion and community empowerment. Participants have opportunities to work with a community on an identified health issue.  
Prerequisites: Continuing students: Nursing Practice IV. Post-diploma students: 345.  
Corequisites: Post-diploma and Continuing Students: 350.  
Grading: COM/F.  

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.  
Notes: - Usually, credit will be granted for only one of 352, 309.  - This course is open to Continuing students only, except with permission of the Director or designee.  

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 370  Units: 4.5  Consolidated Practice Experience III  
This consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their professional nursing practice. Participants have opportunities to consolidate learning and advance their clinical decision making in a variety of settings. Nursing practice experiences consist of a six week preceptorship. Attendance at course workshops is required.  
Prerequisites: NURS 341, 352, 350, 351.  
Grading: COM/F.  

NURS 390  Units: 1.5 or 3.0  Directed Studies  
Directed readings, research projects or special studies in a specified area of interest. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student’s work. The proposal must receive the approval of the Director or designee before students are permitted to register.  
Note: Offered as resources permit.  

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.  
Prerequisites: Continuing Students: 350, 351. Post-diploma students: 345, 350 and 351.  
Corequisites: Post-diploma and Continuing Students: 431.  

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.  
Prerequisites: Continuing Students: 350, 351. Post-diploma students: 345, 350 and 351.  
Corequisites: Post-diploma and Continuing Students: 430.  
Grading: COM/F.  

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 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 how we as nurses choose to engage with and serve hospice palliative care patients. It is our goal that, through examination of these various dimensions, you will be guided to practice with persons living their dying in ways that uphold human dignity and honour human uniqueness.  

NURS 483  Units: 1.5  Teaching and Learning in Nursing Practice  
The purpose of this course is to consider pedagogies that are consistent with a human science paradigm and health promotion perspective. In addition, students are expected to develop their unique approaches to teaching and learning within these perspectives. The course focuses on pedagogical considerations involved in health promotion nursing practice.  

NURS 484  Units: 1.5  Nursing with Aboriginal Peoples in Canada  
This course is an introduction to nursing with Aboriginal peoples in Canada. Through the use of storytelling, self-reflection, and a critical framework, learners are invited to enter into a “dialogue” with Aboriginal and non-Aboriginal individuals, community members and nurses. Together, as a community of learners, we will explore the essential concepts of relationship and power as related to working with Aboriginal people and communities. Major themes covered in the course materials and through course interactions are: an examination of colonialism in Canada and its impacts, particularly on Aboriginal people, cultural safety, ethical relationships, and the responsibilities of nurses working in this context. While primarily focused on nursing, all human service professionals are invited to participate in this course.  

NURS 486  Units: 1.5  Mental Health Challenges in Later Life  
This course is designed to assist frontline professionals to work with older persons who experience mental health problems. Studies will include: stressors affecting emotional health in the elderly, mental health assessment, interventions useful in the management of problematic behaviours in the elderly, environmental strategies for increasing functioning in older people, and community resources for meeting mental health needs. The course provides multiple opportunities to apply theory in practice and to develop attitudes conducive to effecting positive changes in the workplace.  

NURS 487  Units: 1.5  Health Care Law  
This course is designed to allow students to develop an understanding of the 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 designee 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: NURS 475. 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 complexity in grappling with the variety of human experiences in relation to cancer diagnosis and treatment as well as novelty in 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 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 historical/comparative with the intent to place Asia-Pacific developments in a wider world context. Topics and areas variable according to instructor. Note: May be taken more than once in different topics to a maximum of 3 units.

PACI 290 Units: 1.5 Hours: 3-0
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 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.

PACI 321A 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 social, 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 so-called 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 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 321A, 319. Prerequisites: PACI 210 (or 200B), 290.

PACI 321C 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 322B 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, 332A.

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 328A Units: 1.5 Hours: 3-0
Social Structure and Social Change in Oceania
A study of the indigenous societies and cultures of the Pacific Islands and their links to the world system. Material on Fiji, Tonga, Hawaii, New Zealand, and other parts of the region provide a basis to examine classical and current issues. The course develops and applies the methods of local-centred analysis and interactive models of social change, and the use of fieldwork and archival data.
Prerequisites: PACI 210 (or 200B), 290, or permission of the instructor.

PACI 328B Units: 1.5 Hours: 3-0
Contemporary Oceania: Society and Politics
A study of political systems and social change in the Pacific Islands countries of Tonga, Fiji, Samoa, Cook Islands, French Polynesia, Vanuatu, Solomons and Papua-New Guinea, from the mid-20th century to the present day. The theme of “development, change and persistence” will be examined. Practical information on government and social issues will be developed. Where appropriate, attention will be given to Canada’s existing and potential relations to the area.
Prerequisites: PACI 210 (or 200B), 290, 328A.

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 be presented with conditions pertaining to the Chinese earth and the Chinese people in the period up to 1979, and provide an essential basis for appreciation of the transformation of China since 1949.
Note: Credit will be granted for only one of PACI 383, GEOG 384, GEOG 385, GEOG 464A.
Prerequisites: PACI 210 (or 200B), or 4.5 units of 100- or 200-level Geography.

PACI 390 Units: 1.5 Hours: 3-0
Advanced Theory and Analysis in Pacific Area Studies
An advanced consideration of theoretical perspectives applicable to the field of Pacific Area Studies. Topics may include concepts of state and society, social and economic change and critiques of Orientalism.
Prerequisites: PACI 210 (or 200B), 290.

PACI 392 Units: 1.5 Hours: 3-0
Literary and Cultural Theory in Pacific and Asian Languages and Literatures Studies
An introduction to key literary and cultural theories pertinent to the study and understanding of Pacific and Asian cultures. Various critical approaches will be introduced through lectures and readings, with workshop modules designed to give students direct experience in the application of each approach.
Note: Required of all Major students choosing the Pacific and Asian Languages and Literatures Studies Concentration option.
Prerequisites: PACI 210 (or 200B), 290.

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 and 323B.

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 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 Hours: 3-0
Seminar on Oceania
A detailed analysis of theoretical questions on Oceania. A research paper with seminar presentation of results is required. Students may consult the instructor on specific topics.
Prerequisites: PACI 210 (or 200B), 290, 328A or 328B, or permission of the instructor.

PACI 416 Units: 1.5 Hours: 3-0
Seminar on Culture in Asia and the Pacific
A close examination of a contemporary cultural issue in the Asia Pacific such as globalization and culture, gender and sexuality, indigenous peoples, or culture and tradition. Consult the instructor for specific topic.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: PACI 210 (or 200B), 290.

PACI 420 Units: 1.5 Hours: 3-0
Seminar on Social Continuity and Social Change in China
This seminar will explore selected aspects of modern and pre-modern China, focusing on the theme of social continuity and change as China moves from a Confucian state, through the Nationalist period, to a socialist state. Oral presentations, written papers, and participation in class discussion are required throughout the course.
Prerequisites: PACI 210 (or 200B), 290, 319A and 319B.

PACI 422 Units: 1.5 Hours: 3-0
Seminar on Post-War Japan
A close examination of a major issue on post-war Japan such as the Allied Occupation, the evolution of the labour movement, the post-war political economy, or Japan in the international division of labour. Consult instructor for specific topic.
Prerequisites: PACI 210 (or 200B), 290, 321A and 321B.

PACI 440 Units: 1.5 Hours: 3-0
Women in Post-War Japan
This seminar will deal with changes in women’s rights and roles in Japan since 1945 with respect to the work force, constitutional and legal rights, education, political involvement, and the women’s movement.
Prerequisites: PACI 210 (or 200B), 290, 321A and 321B.

PACI 442 Units: 1.5 Hours: 3-0
Also: GEOG 442
Geography of Chinatowns and Chinese Migration
The study of urban overseas Chinese communities in Pacific Rim countries. Includes migration theory, concepts of culture 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 Hours: 3-0
Asian Canadians and Their Homelands
This seminar course will concentrate on the social and cultural landscape 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 units of 300- or 400-level courses in the geographical area on which the proposed project will focus.

PACI 490A Units: 1.5 Hours: 3-0
Formerly: half of 490
Seminar on Research Problems and Theory
Research problems and ongoing issues in theory. Topics may vary from year to year. Requirements: regular attendance, class participation, and writing a 5,000-word research paper under supervision of course convenor. Research proposals and final papers must be approved by a member of the department acting as research adviser.
Note: Credit will be granted for only one of 490A, 490.
Prerequisites: 325 or 390.

PACI 490B Units: 1.5 Hours: 3-0
Formerly: half of 490
Seminar on Research Problems and Theory
Continuation of 490A for Honours students. Writing and presentation of an Honours research essay of at least 10,000 words under supervision of course convenor. The Honours essay is normally an expansion
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
Introduction to Philosophy
An introduction to central works in the history of Western philosophy, with a principal goal of fostering the capacity to think logically and critically. Questions will include: Does God exist? Is knowledge possible? Do humans have free will? What is justice? Figures studied will include most of the following: Plato, Aristotle, Descartes, Leibniz, Berkeley, Hume, Kant, Mill and Nietzsche, and may include others. See annual Departmental Handbook for more information.

PHIL 173
Units: 1.5
Scientific Reasoning
Develops critical thinking skills needed for understanding and evaluating arguments in the natural sciences. Some of the topics covered will include: assessing the worth of causal and statistical hypotheses; evaluating evidence; appraising the value of contentious sciences and examining the development of scientific knowledge.

PHIL 201
Units: 1.5
Critical Thinking
An analysis of simple argument forms in natural language with close attention to the different uses of language in an argumentative context. A treatment of elementary principles of inductive logic, decision making, syllogistic reasoning, and informal fallacies.

PHIL 203
Units: 1.5
Elementary Formal Logic
Teaches students to generate deductively valid arguments and to detect invalid arguments. Correct inference rules for sentential arguments and quantification logic are presented. Arguments are identified and treated from a sentential approach to the thought of the philosophers discussed.

PHIL 204
Units: 1.5
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.

PHIL 205
Units: 1.5
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.

PHIL 206
Units: 1.5
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
Introduction to Arabic Philosophy
An introduction to the fertile period of philosophy that followed directly upon the great period of 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
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
Introduction to Existentialism
An introduction to the themes 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
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.

PHIL 223
Units: 1.5
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 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
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 more specific description of the course for a given year.

PHIL 233
Units: 1.5
Ethics of Violence, War and Terrorism
An investigation of the moral problems that arise in the context of violence, war and terrorism.

PHIL 236
Units: 1.5
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
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 or it may emerge in distinct periods and writers. 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
Philosophy and Feminism
An introduction to philosophical issues raised in and by feminist thought. Topics may include: the influence of feminist perspectives on the framing and study of philosophical problems; an examination of concepts, issues, and arguments underlying feminist claims; liberal feminism; Marxist feminism; radical feminism; feminism and race; an examination of current issues such as gender essentialism, pornography, mothering, and reproductive rights from a feminist perspective.

PHIL 240
Units: 1.5
Philosophy of Art
An introduction to philosophy of art. Questions to be addressed include: What is art? What makes art valuable? How is art to be evaluated? Is the value of art relative to audiences? Is art a source of knowledge? What moral issues arise in connection with the arts?

PHIL 251
Units: 1.5
Formerly: part of 250
Knowledge, Certainty and Skepticism
An introduction to central concepts, issues and theories in epistemology (the theory of knowledge). Topics will be drawn from the following list: knowledge, skepticism, evidence, rational belief, doubt, justification; certainty.

PHIL 252
Units: 1.5
Introduction to Metaphysics
An investigation of the ultimate nature of reality. Historical and contemporary writings deal with such topics as substance; monism vs. pluralism; universals vs. particulars; realism vs. nominalism; mind and matter; God; causation and change; possibility and necessity; space and time.

Note: Credit will be granted for only one of 250, 252.

PHIL 253
Units: 1.5
Formerly: 3
Philosophy of Religion
An investigation of the ultimate nature of reality. Historical and contemporary writings deal with such topics as substance; monism vs. pluralism; universals vs. particulars; realism vs. nominalism; mind and matter; God; causation and change; possibility and necessity; space and time.

Note: Credit will be granted for only one of 252, 250.

PhD 254
Units: 0.5
Formerly: 3
Philosophy of Logic and Language
An investigation of the ultimate nature of reality. Historical and contemporary writings deal with such topics as substance; monism vs. pluralism; universals vs. particulars; realism vs. nominalism; mind and matter; God; causation and change; possibility and necessity; space and time.

Note: Credit will be granted for only one of 252, 250.

PHIL 257
Units: 1.5
Formerly: 2-1
Introduction to Metaphysics
An investigation of the ultimate nature of reality. Historical and contemporary writings deal with such topics as substance; monism vs. pluralism; universals vs. particulars; realism vs. nominalism; mind and matter; God; causation and change; possibility and necessity; space and time.

Note: Credit will be granted for only one of 252, 250.

PHIL 258
Units: 1.5
Formerly: 3
Philosophy of Science
An investigation of the ultimate nature of reality. Historical and contemporary writings deal with such topics as substance; monism vs. pluralism; universals vs. particulars; realism vs. nominalism; mind and matter; God; causation and change; possibility and necessity; space and time.

Note: Credit will be granted for only one of 252, 250.
### PHIL 260
**Units:** 1.5  
**Times:** 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 290
**Units:** 1.5 or 3.0  
**Hours:** 3-0 or 2-0  
**Introduction to Selected Topics**  
Introductory investigations of a selected philosophical topic.  
**Note:** May be repeated in different topics with permission of department.

### PHIL 301
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** 421  
**Plato**  
A philosophical examination of one or more Platonic dialogues. The content of the course may vary from year to year; students should consult the annual departmental handbook for more specific description of the course for a given year.  
**Note:** Credit will be granted for only one of 301, 421.  
PHIL 381/GRS 379 and GRS 380 are both recommended as background for the course.  
**Prerequisites:** 4.5 units of Philosophy or permission of the department.

### PHIL 303
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** 422  
**Aristotle**  
A study of one or more of the philosophical writings of Aristotle. 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.  
**Note:** Credit will be granted for only one of 303, 422.  
PHIL 381/GRS 379 and GRS 380 are both recommended as background for the course.  
**Prerequisites:** 4.5 units of Philosophy or permission of the department.

### PHIL 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  
**Formerly:** 214  
**The Rationalists**  
Studies in depth the so-called “continental rationalists.” Examines the positions of representative figures, and relates them to each other. Emphasis the rationalists’ preoccupation with a priori necessary truths and the principle of sufficient reason vis-a-vis their theories of perception and knowledge.  
**Prerequisites:** 4.5 units of Philosophy.

### PHIL 308
**Units:** 1.5  
**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  
**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 321
**Units:** 1.5  
**Hours:** 3-0  
**Philosophy of Medicine**  
In this course we will examine how our philosophical conceptions of the nature of mind and body affect the goals and practice of medicine. Some of the topics covered may include: medicine as an art or a science? What is health? What counts as disease? What is mental illness? Empiricism vs Realism in medical thinking; Hermeneutics in medicine; causality in medicine; Western vs Eastern medicine.  
**Note:** May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

### PHIL 330
**Units:** 1.5  
**Hours:** 3-0  
**Professional and Business Ethics**  
An examination of ethical issues arising in the contemporary professional and business setting; emphasis is on the mastery of representative ethical systems and concepts and their application to actual situations.  
**Note:** May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

### PHIL 331
**Units:** 1.5  
**Hours:** 3-0  
**Issues in Biomedical Ethics**  
An investigation into various ethical issues that arise in the delivery of health care. Lectures and discussions on topics such as informed consent, abortion, human experimentation, euthanasia, reproductive technologies, the health-care professional/client relationship. Emphasis on the ability to apply theoretical concepts to actual situations.  
**Note:** May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

### 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  
**Formerly:** 314  
**Philosophy and the Environment**  
A philosophical investigation of the moral and conceptual dimensions of environmental problems. Different philosophies of the relation between humans and nature will be compared.  
**Notes:** - Credit will be granted for only one of 333, ES 314.  
- May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.  
**Prerequisites:** Third or fourth-year standing, or permission of the department.

### PHIL 335
**Units:** 1.5, formerly 3.0  
**Hours:** 3-0  
**Formerly:** 302  
**Contemporary Moral Philosophy**  
An inquiry into basic issues and theoretical perspectives in moral philosophy. Some classic texts in moral philosophy will be studied but emphasis will be on contemporary literature and debates. Topics will include consequentialism, Kantianism, contractarianism and contractualism.  
**Note:** Credit will be granted for only one of 335, 302.  
**Prerequisites:** 6 units of Philosophy or permission of the department.

### PHIL 336
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** 328  
**Philosophy of Law**  
A study of relationships among law, politics, and morality. 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 337
**Units:** 1.5  
**Hours:** 3-0  
**Ethics: Theory and Practice**  
A survey of the foundations of moral reasoning and judgement that examines basic normative theories and their relevance to practical ethical evaluation. 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 338
**Units:** 1.5  
**Hours:** 3-0  
**Meta-ethics**  
An examination of philosophical issues and theories arising from consideration of the epistemic, metaphysical and semantic features of value judgements. Topics will include moral relativism, moral skepticism, non-cognitivism, nihilism, constructivism, moral realism and moral anti-realism.  
**Prerequisites:** 6 units of Philosophy including one of 232, 335, 337 or permission of the instructor.

### PHIL 362
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** 342A  
**Minds and Machines**  
The philosophical problems associated with the question of whether or not one can build a machine which thinks, reasons, learns from experience, understands natural language, is creative, feels pain, or has emotions. Topics may include mechanical analogues of life processes; the debate over mechanisms, organismic, and vitalism; mechanical self reproduction and evolution; free will and predictability.  
**Note:** Credit will be granted for only one of 362, 342A.
COURSE LISTINGS

**PHIL 370** Units: 1.5 Hours: 3-0
Formerly: 304A

**Theoretical Logic**
Treatment and justification of formal logic from a theoretical point of view: Ideal formal languages developed, and their relationship to natural languages discussed. Syntactic and semantic theories formalized for the analysis of complex deductive arguments. The metatheory of formal logic, relating the syntactic theories and the semantic theories, developed. Topics include consistency, compactness, soundness, and completeness.

**Note:** Credit will be granted for only one of 304A, 370.

**Prerequisites:** 203 or MATH 122 or permission of the instructor.

**PHIL 371** Units: 1.5 Hours: 3-0
Formerly: part of 304B

**Advanced Studies in Logic**
The study of a particular branch of formal logic. Topics may include set theory, incompleteness and undecidability, modal or other non-classical logics.

**Note:** Credit will be granted for only one of 304B, 371.

**Prerequisites:** 370 or permission of the department.

**PHIL 375** Units: 1.5 Hours: 3-0
Also: MATH 375

**Philosophy of Mathematics**
An introduction to problems in the philosophy of mathematics. Topics include the nature of mathematical objects (are they human constructions, or do they exist independently of us?), the status of the infinite in mathematics, the relationship between mathematics and natural science/physical reality.

**Note:** Credit will be granted for only one of 375, MATH 375.

**Prerequisites:** One of 203, 370 as well as 304A, 304B, MATH 122, 360.

**PHIL 381** Units: 1.5 Hours: 3-0
Also: GRS 379

**Formerly:** PHIL 379 (CLAS 379)

**Early Greek Thought**
An examination of early Greek thought as embodied in Hesiod and the Sophists such as Parmenides, Heraclitus, Anaxagoras, and Democritus. These figures may be considered in the context of historical and literary writings of their society (e.g., works by Aeschylus, Herodotus, Thucydides). Issues may include: distinctions among myth, science and philosophy; notions of law, morality, and causality; the influence of early Greek thought on later thinkers.

**Notes:** - Credit will be granted for only one of 381, 379, GRS 379, CLAS 379.
- May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

**Prerequisites:** Third or fourth-year standing or permission of the department.

**PHIL 383** Units: 1.5 Hours: 3.0
Also: GRS 380

**Formerly:** CLAS 380

**The Life and Times of Socrates**
An examination of a critical moment in Greek intellectual and political life, as seen from various points of view. Topics include: Socrates’ trial and its background, the rise of the Socratic conception of philosophy and its relation to the methods of the Sophists, perceived Socratic challenges to religious and social mores, written vs. unwritten philosophy, and types of Socratic literature. Why, we will ask, was the impact of Socrates so lasting and profound?

**Notes:** - Credit will be granted for only one of 383, GRS 380, CLAS 380.
- May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

**Prerequisites:** Third or fourth-year standing or permission of the department.

**PHIL 390** Units: 1.5-3.0 Hours: 3-0

**Topics in Philosophy**
Investigations of a selected philosophical topic.

**Note:** May be taken more than once for credit in different topics.

**Prerequisites:** 6 units of Philosophy, or permission of the department.

**PHIL 391** Units: 1.5 or 3.0 Hours: 3-0
Formerly: 348

**Directed Studies in Philosophy**
Under the supervision of a faculty member and with the approval of the Chair of the department.

**Note:** Credit will be granted for only one of 391, 348 if 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**
An investigation of the philosophical limitations of classical logic. Questions to be addressed include: Is there satisfactory philosophical motivation for many-valued logics? Does reflection on reference or meaning lead to the rejection of bivalence? Does classical first order logic inhibit a philosophical understanding of existence, identity and predication?

**Prerequisites:** 201 and 203, 304A and B or 370 and 371, MATH 332, MATH 333, and an additional 3 units of Philosophy, or permission of the department.

**PHIL 420** Units: 1.5 Hours: 3-0
Formerly: 320

**Advanced Topics in Philosophy of Science**
This course deals (at a more advanced level than in 220) with the methodology, epistemology, and ontology of science. Topics may include the logic of explanation, the logic of confirmation, the rationality of theory acceptance, the rationality of scientific revolutions, the unity of science, or the reality of theoretical entities.

**Note:** Credit will be granted for only one of 420, 222A, 320.

**Prerequisites:** 220 or permission of the department.

**PHIL 430** Units: 1.5 Hours: 3-0

**Contemporary Ethics**
An advanced investigation of contemporary debates in ethical theory, including issues in normative ethics and metaethics.

**Prerequisites:** 9 units of Philosophy, including at least one of 335, 337, 338, or permission of the department.

**PHIL 431** Units: 1.5 Hours: 3-0

**Seminar in Biomedical Ethics**
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.

**PHIL 432** Units: 1.5 Hours: 3-0

**Social and Political Philosophy**
Introduces basic texts and fundamental problems in Western political philosophy. Topics may include: theories of distributive justice, the relationship between law and morality, theories of democracy, the nature of rights, liberty, political legitimacy, community

**PHIL 433** Units: 1.5 Hours: 3-0

**Seminar in Aesthetics**
Investigations of a selected philosophical topic.

**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

**Advanced Logic**
An inquiry into some of the more general distinctions upon which our notion of reality depends. Topics will include: substance, quality, relation, existence, and quantity.

**Note:** Credit will be granted for only one of 450, 432.

**Prerequisites:** 9 units of Philosophy or permission of the department.

**PHIL 451** Units: 1.5 Hours: 3-0
Formerly: 416

**Philosophy of Knowledge**
An advanced philosophical investigation of human knowledge and its relation to reality.

**Note:** Credit will be granted for only one of 451, 416.

**Prerequisites:** 9 units of Philosophy or permission of the department.

**PHIL 453** Units: 1.5 Hours: 3-0
Formerly: 418

**Theory of Perception**
A study of philosophical issues that pertain both to the psychology of perception and the theory of knowledge. The respective merits of realist, representationalist and phenomenalist theories of perception will come under examination.

**Note:** Credit will be granted for only one of 453, 418.

**Prerequisites:** 9 units of Philosophy or permission of the department.

**PHIL 460** Units: 1.5 Hours: 3-0
Formerly: 414

**Philosophy of Mind**
The focus of this course will be contemporary metaphysics, epistemology and methodology in the philosophy of mind.

**Note:** Credit will be granted for only one of 460, 414.

**Prerequisites:** 260 or 362 (formerly 342A) or permission of the department.

**PHIL 461** Units: 1.5, formerly 3 Hours: 3-0
Formerly: part of 334

**Philosophy of Language I**
A study of the foundations of philosophy of language. Questions to be addressed include: What is meaning? And what is reference? Authors to be studied may include Frege, Russell, Wittgenstein, and Quine.

**Note:** Credit will be granted for only one of 461, 334.

**Prerequisites:** 9 units of Philosophy or permission of the department.
### COURSE LISTINGS

#### PHYSIL 462
- **Units:** 1.5, formerly 3
- **Hours:** 3-0
- **Previously:** 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.

#### PHYSIL 490
- **Units:** 1.5 or 3.0
- **Hours:** 3-0
- **Advanced Topics in Philosophy**
- Advanced investigations of a selected philosophical topic.
- **Note:** May be taken more than once for credit in different topics.
- **Prerequisites:** 9 units of Philosophy, or permission of the department.

#### PHYSIL 491
- **Units:** 1.5 or 3.0
- **Hours:** 3-0
- **Formerly:** 448
- **Directed Studies in Philosophical Topics**
- Under the supervision of a faculty member and with the approval of the Chair of the department.
- **Note:** Credit will be granted for only one of 491, 448 if 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.

#### PHYSIL 499
- **Units:** 1.5
- **Hours:** 3-0
- **Philosophy Honours Seminar**
- Students will write, and present to a seminar of their peers, a substantial, original essay on a topic of their own choosing. Research into contemporary published work on the topic will form an essential part of the essay. Grades will be based on the written essay, its presentation in the seminar, and participation in the seminar presentations of the other students.
- **Prerequisites:** Honours standing in fourth year.

### PHYSICS

#### Department of Physics and Astronomy

- **Faculty of Science**
- Courses offered by the Department of Physics and Astronomy are also found under the following course code: ASTR (Astronomy).

#### PHYSICS 102
- **Units:** 3.0
- **Hours:** 3-3
- **General Physics**
- Mechanics, heat, sound, wave motion, light, electricity, magnetism, and modern physics.
- **Notes:**
- This course uses calculus and will meet the requirements in Physics of students in Biology and Environmental Studies. Students intending to take further courses in Physics should take 102 rather than 102 and must take MATH 100 and 101 rather than 102.
- No more than 4.5 units of credit may be obtained from 100-level Physics courses. Open to Engineering students only.
- **Prerequisites:** BC Secondary School Physics 11 or equivalent.
- **Pre- or corequisites:** MATH 100 or 102.

#### PHYSICS 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.
- Students with a minimum grade of B in both Physics 12 and Mathematics 12, and who are planning a career in Physics or Astronomy, should consider enrolling in PHYS 120 and 220 in the first year instead of PHYS 112.
- **Prerequisites:** BC Secondary School Physics 12 and Mathematics 12.
- **Pre- or corequisites:** MATH 100 and 101.

#### PHYSICS 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.
- **Pre- or corequisites:** MATH 100.

#### PHYSICS 122
- **Units:** 1.5
- **Hours:** 3-3
- **Mechanics for Engineers**
- Kinematics, particle dynamics, curvilinear motion, momentum, angular momentum, energy.
- **Notes:**
- Credit will be granted for only one of 122, 120.
- No more than 4.5 units of credit may be obtained from 100-level physics courses. Open to Engineering students only.
- **Prerequisites:** A minimum grade of B in BC Secondary School Physics 12 and Algebra 12 or Mathematics 12.
- **Pre- or corequisites:** MATH 100.

#### PHYSICS 125
- **Units:** 1.5
- **Hours:** 3-3
- **Fundamentals of Physics**
- Simple harmonic motion; wave motion, sinusoidal waves, phase velocity, Huygens' Principle, resonance, reflection, reflection 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:** PHYS 112 or 111 or 120.

#### PHYSICS 210
- **Units:** 1.5
- **Hours:** 3-0
- **Also: EOS 210**
- **Introductory Geophysics**
- An introduction to seismology, gravity, geomagnetism, paleomagnetism, and plate tectonics, and how they contribute to our understanding of the Earth's structure and plate tectonics.
- **Note:** Credit will be granted for only one of 210, EOS 210.
- **Prerequisites:** Any one of 112, 120, or 122; MATH 100 and 101.

#### PHYSICS 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 102.

#### PHYSICS 215
- **Units:** 1.5
- **Hours:** 3-3
- **Introductory Quantum Physics**
- Introduction to topics in quantum physics.
- **Pre- or corequisites:** 220; MATH 200 and 201.

#### PHYSICS 220
- **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.

#### PHYSICS 224
- **Units:** 1.5
- **Hours:** 3-1
- **Also:** CSC 242
- **Computers in Science**
- A combined lecture and laboratory course designed to introduce numerical methods and data analysis techniques of use in the physical sciences. These include basic statistical methods, methods for solving differential equations, Monte Carlo simulation, error analysis, parameter estimation, hypothesis testing and data visualization.
- **Note:** Not open towards a Computer Science degree.
- Credit will be granted for only one of 242, CSC 242.
- **Prerequisites:** 120 or 112, and CSC 110.
- **Pre- or corequisites:** MATH 200.

#### PHYSICS 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.

#### PHYSICS 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.

#### PHYSICS 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.
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: 321A.
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 330A or 334, and 323 or 325.

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

#### POLI

**Political Science**

**Department of Political Science**

**Faculty of Social Sciences**

#### 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 101, 100, 470.

#### POLI 202

**Units:** 1.5  
**Hours:** 3-0-1

**An Introduction to Political Theory**

This course will focus on one or more topics in contemporary political theory such as the nature of democracy, the role of ideology, or the functions of the state. Different analyses will be compared, and students will be introduced to various models and techniques of theoretical inquiry.

#### POLI 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 foreign governments.

#### POLI 240

**Units:** 1.5  
**Hours:** 3-0-1

**International Politics**

An introduction to the study and practice of international politics. Topics covered include the historical evolution of the international system, the major theoretical approaches to the study of international politics, state and non-state actors, and key contemporary issues in the areas of security and political economy.

#### POLI 300A

**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** 301

**Ancient and Medieval Political Thought**

A survey of the main themes and assumptions of political theory in ancient Greece and medieval Europe, including study of Plato’s Republic and Aristotle’s Politics.  

**Note:** Credit will be granted for only one of 300A, 301, 300 if 300 taken prior to 1982-83.

#### POLI 300B

**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** half of 300

**Early Modern Political Thought**

An examination of basic texts and persistent themes in Western political thought from the Renaissance to the Enlightenment, including study of texts by such key thinkers as Machiavelli, Hobbes, Locke, Hume, and Kant.

**Note:** Credit will be granted for only one of 300B, 300.

#### POLI 300C

**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** half of 300

**Post-Enlightenment Political Thought**

An examination of basic texts and persistent themes in Western political thought from the Enlightenment 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.

**Note:** Credit will be granted for only one of 313A, 313.

#### POLI 313A

**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** half of 313

**American Politics**

An introduction to the political system of the United States. Areas of study will include the Constitutional framework, Congress, Presidency and Supreme Court, political parties and the electoral system.  

**Note:** Credit will be granted for only one of 313A, 313.

#### POLI 313B

**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** half of 313

**American Public Policy**

An analysis of the policy-making process of the American federal government, 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 agenda is 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.

**Note:** Credit will be granted for only one of 300B, 300.

#### 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 329

**Units:** 1.5  
**Hours:** 3-0

**The Political Foundations of International Law**

An advanced introduction to the political nature of international law. It reviews the conceptual and analytical foundations of the field, as well as conventional and critical theoretical approaches to the study of international law. The course will also examine the main substantive areas of international law and practice.

#### POLI 332

**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** 332B

**Urban Politics**

An analysis of urban social movements, the politics of planning and development, and the political economy of cities in the era of globalization.

**Note:** Credit will be granted for only one of 332, 332B, 450.

#### POLI 333

**Units:** 1.5  
**Hours:** 3-0

**Representation and Electoral Systems**

A cross-national review of the design of electoral systems, their determinants and components, and quantitative analysis of their consequences for political representation. The primary focus will be on Western democracies.

#### POLI 334

**Units:** 1.5  
**Hours:** 3-0

**Culture(s), Knowledge and Power**

The role of cultural practices and identities, ideologies, and claims to knowledge in the legitimation of authority and violence.

#### POLI 335

**Units:** 1.5  
**Hours:** 3-0

**Gender and Politics**

An introduction to key debates about the relation between gender and politics in the Western political tradition. 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.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 336</td>
<td>1.5</td>
<td>3-0</td>
<td>The Modern State. An exploration of the modern state as a form of governance and a mode of political organization. Contemporaneous 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. <strong>Note:</strong> Credit will be granted for only one of 336, 404.</td>
</tr>
<tr>
<td>POLI 338</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Required for Honours students in their third year, recommended for Major students, but not recommended as a general elective.</td>
</tr>
<tr>
<td>POLI 339</td>
<td>1.5</td>
<td>3-0</td>
<td>The Empirical Analysis of Politics (Seminar Course) Survey of empirical research methods used in political science, focusing on the practical application of quantitative and qualitative 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. <strong>Note:</strong> 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.</td>
</tr>
<tr>
<td>POLI 340</td>
<td>1.5, formerly 3</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>POLI 342</td>
<td>1.5</td>
<td>3-0</td>
<td>The Political Foundations of International Law An advanced introduction to the political nature of international law. It reviews the conceptual and analytical foundations of the field, as well as conventional and critical theoretical approaches to the study of international law. The course will also examine the main substantive areas of international law and practice.</td>
</tr>
<tr>
<td>POLI 343</td>
<td>1.5</td>
<td>3-0</td>
<td>International Organization The nature and function of international and regional governmental and non-governmental organizations.</td>
</tr>
<tr>
<td>POLI 344</td>
<td>1.5, formerly 3</td>
<td>3-0</td>
<td>International Political Economy The politics of international economic relations in trade, investment, finance and macroeconomic policies from a variety of theoretical perspectives.</td>
</tr>
<tr>
<td>POLI 345</td>
<td>1.5</td>
<td>3-0</td>
<td>Ethics in International Relations In this course, we explore the application of moral judgment to international politics. This course introduces different moral theories and applies them to topical issues to help make reasoned judgments about important international issues. Topics include: just war, foreign aid, immigration control, spreading human rights, withdrawing humanitarian aid, and the use of torture.</td>
</tr>
<tr>
<td>POLI 346</td>
<td>1.5</td>
<td>3-0</td>
<td>Canadian Foreign Policy The foreign policy-making process in Canada, including alternative explanations of specific policies. <strong>Note:</strong> Credit will be granted for only one of 346, 446.</td>
</tr>
<tr>
<td>POLI 347</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>POLI 348</td>
<td>1.5</td>
<td>3-0</td>
<td>International Security Conceptual and practical issues of security in international politics, including such topics as: the causes of violent international conflict, military security, non-military threats to security, national security policies, co-operative international security, and alternatives to state-centered security.</td>
</tr>
<tr>
<td>POLI 349</td>
<td>1.5</td>
<td>3-0</td>
<td>Issues in International Politics An analysis of contemporary issues in international politics. <strong>Note:</strong> May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td>POLI 350</td>
<td>1.5</td>
<td>3-0</td>
<td>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. Also: ADMN 311.</td>
</tr>
<tr>
<td>POLI 351</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of 350, ADMN 311, HSD 404.</td>
</tr>
<tr>
<td>POLI 355</td>
<td>1.5</td>
<td>3-0</td>
<td>Public Policy Analysis 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. <strong>Note:</strong> Credit will be granted for only one of 357, 457.</td>
</tr>
<tr>
<td>POLI 356</td>
<td>1.5</td>
<td>3-0</td>
<td>Canadian Environmental Politics An examination of political factors shaping development and implementation of Canadian environmental policy. <strong>Note:</strong> Credit will be granted for only one of 357, 457.</td>
</tr>
<tr>
<td>POLI 360</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>POLI 361</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>POLI 363</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>POLI 364</td>
<td>1.5</td>
<td>3-0</td>
<td>Canadian Public Policy An analysis of the Canadian policy-making process, using case studies to examine alternative theoretical perspectives.</td>
</tr>
<tr>
<td>POLI 365</td>
<td>1.5</td>
<td>3-0</td>
<td>British Columbia Political Economy An examination of the political and economic development of the province, its political orientations and social cleavages, and party system.</td>
</tr>
<tr>
<td>POLI 366</td>
<td>1.5</td>
<td>3-0</td>
<td>Canadian Political Economy An advanced introduction to the distinctive debates and problems of Canadian Political Economy, in historical analysis and in contemporary policy concerns. Topics covered include state formation and the role of the state; staples; capital and class analyses; theories of economic development, trade, and dependency; gender, aboriginal, and anti-racist analyses; and political ecology.</td>
</tr>
<tr>
<td>POLI 369</td>
<td>1.5</td>
<td>3-0</td>
<td>Issues in Canadian Politics An analysis of contemporary issues in Canadian politics. <strong>Note:</strong> May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td>POLI 371</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>POLI 375</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>POLI 376</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: 419 Politics in India An exploration of the major themes in the political and economic development of independent India, including the fate of the Nehruvian development model, the contemporary crisis of the state and secularism, the transition to globalization, and the politics of caste, class and gender. <strong>Note:</strong> Credit will be granted for only one of 376, 419, 433 if 433 taken under the topic &quot;Politics in India.&quot;</td>
</tr>
<tr>
<td>POLI 377</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
</tbody>
</table>

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**2008-09 UVIC CALENDAR**
POLI 378 Units: 1.5 Hours: 3-0
Comparative Federalism
Examines a variety of developed and developing federations with a view to improving our understanding of the relationship between formal federal arrangements and their underlying political communities. The factors affecting the governance, administration and policy performance of federations will be examined. The broad objective is to use comparative experience to improve our understanding of Canadian federalism.

Note: May be taken more than once for credit in different terms with permission of the Chair.

POLI 379 Units: 1.5 Hours: 3-0
Topics in Contemporary European Politics
Analysis of contemporary issues in European politics in comparative perspective, with a strong emphasis on the European Union and the process of European integration.

Note: May be taken more than once for credit in different terms with permission of the Chair.

POLI 401 Units: 1.5 Hours: 3-0
Advanced Topics in Political Theory
An advanced seminar on contemporary issues and problems in political theory.

Note: May be taken more than once for credit in different terms with permission of the Chair.

POLI 402 Units: 1.5 Hours: 3-0
Formerly: 302
Contemporary Themes in Political Thought
Major themes in contemporary political thought focusing especially on the interplay between theories of modernity and concepts of political identity and community.

Note: Credit will be granted for only one of 402, 302.
Prerequisites: Two courses from 300A, 300B, or 300C, or permission of the instructor.

POLI 412 Units: 1.5 Hours: 3-0
Migration, Nationalism and Identity in Asia
Migration has greatly complicated and unsettled the post-WWII associations between people, places, and identity. The seemingly simple question, “Who is Chinese?” or, “Who is Japanese?” is fraught with nuance and complexity. 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”.

POLI 413 Units: 1.5 Hours: 3-0
Feminist Political Thought (Seminar Course)
An examination of feminist critiques of contemporary political theory and feminist social criticism and political thought, with particular attention to debates about knowledge, subjectivity and difference.

Prerequisites: Two courses from 300A, 300B or 300C, or permission of the instructor.

POLI 414 Units: 1.5 Hours: 3-0
Politics in the European Union (Seminar Course)
The politics, institutions, policy-making process, and the role of various nation-states in the European Union, in historical and contemporary contexts. Attention will also be given to theories of European integration.

Prerequisites: 311 or permission of the instructor.

POLI 420 Units: 1.5 Hours: 3-0
Constitutional Law and Politics in Canada (Seminar Course)
This course explores how the courts and the Constitution play a role in social change. It includes an examination of judicial review in Canadian politics, mostly in the post-Charter era.

Note: Credit will be granted for only one of 420, 433 if 433 taken under the topic “Issues in Politics: Politics and the Charter”.

Prerequisites: 320 or permission of the instructor.

POLI 430 Units: 1.5 Hours: 3-0
Media, Technology and Politics
A critical examination of the impact of new electronic technologies of communication upon contemporary politics. Focusing on clashing perspectives on the digital future, the course explores the meaning of power, information and identity in the 21st century. Particular attention is paid to both theoretical and multimedia approaches to understanding politics in the age of interactivity.

POLI 431 Units: 1.5, formerly 3 Hours: 3-0
Comparative Political Analysis (Seminar Course)
Critical perspectives on the politics of advanced industrial societies with a focus on evolving state-society relations. Topics include the fate of social democracy, political parties, social movements, structures of class, race and gender and their evolution in a changing political economy.

Note: Credit will be granted for only one of 431, 459.

POLI 432 Units: 1.5 Hours: 3-0
The Politics of Social Movements
Drawing on the fields of political science, sociology, social movement studies, critical theory, and political philosophy, this course focuses on the relationship between themes of cultural recognition and economic equality in contemporary social movement politics. Key concepts include ideology, new social movements, recognition, and redistribution.

Note: Credit will be granted for only one of 432 and 433, Issues in Politics: “Recognition, Redistribution and Social Movement Politics”.
Prerequisites: one of 300C, 306, 305, 334, 335, or permission of the instructor.

POLI 433 Units: 1.5 or 3.0 Hours: 3-0
Issues in Politics (Seminar Course)
A seminar in selected contemporary political issues.

Note: May be taken more than once for credit in different terms with permission of the Chair.

POLI 434 Units: 1.5 Hours: 3-0
The Politics of Clark
The course explores how social and economic class affects politics and becomes a political issue in Canada and other western countries. Drawing from political history, sociology and political economy, topics will include debates over the conceptualization of class and classes, the historical trajectory of working class political parties, the formation and decline of working class identity, and the classed aspects of contemporary politics and social movements (e.g. the women’s movement, anti-racism, gay and lesbian politics, etc.).

Prerequisites: Fourth-year standing or permission of department.

POLI 442 Units: 1.5 Hours: 3-0
Formerly: 342
International Law (Seminar Course)
This seminar explores a number of selected areas and issues of international law and practice. The content varies from year to year, and may include international laws governing human rights, the use of force, the environment, indigenous peoples, criminal, economic relations, and transactions.

Note: Credit will be granted for only one of 442, 342.
Prerequisites: POLI 329 (The Political Foundations of International Law) or permission of the instructor.

POLI 443 Units: 1.5 Hours: 3-0
Ethnicity, Nationalism and Violent Conflict (Seminar Course)
In this course, we critically examine some of the major theories of ethno-nationalism and identity-based conflict. We discuss the particular challenges that ethno-nationalism poses for multi-ethnic states and for the international community; and consider institutional arrangements designed to manage ethnic diversity and reduce the potential for conflict. Examining relevant case studies, we explore a variety of topics, including: the origin of nationalism, sources of conflict, institutional management of conflict, the role of the international community and gendered aspects of ethno-nationalist conflict.

Note: Credit will be granted for only one of 443 and 433, “Security and Ethnic Conflict.”

POLI 444 Units: 1.5 Hours: 3-0
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.

POLI 445 Units: 1.5 Hours: 3-0
The Politics of Information (Seminar Course)
A comparative analysis of the theoretical and policy issues surrounding the collection, treatment and disclosure of government information. Topics include: surveillance, privacy, access to information, press freedom and censorship.

POLI 458 Units: 1.5 Hours: 3-0
Topics in Environmental Politics (Seminar Course)
An examination of political factors shaping responses to selected global environmental issues.

POLI 461 Units: 1.5 Hours: 3-0
Contemporary Challenges to the Canadian State (Seminar Course)
An analysis of political, social, cultural, economic and technological forces which may profoundly alter the structure of the Canadian state, including supranational trade pacts, the Québec sovereigntist program, aboriginal claims to sovereign forms of self-government, and new populist instruments of governance.

POLI 465 Units: 1.5, formerly 3 Hours: 3-0
British Columbia Governance
An examination of the political institutions and public policy processes of provincial government in British Columbia.

POLI 490 Units: 1.5 or 3.0
Directed Reading
Directed reading and/or research for Honours students under the supervision of an available faculty member may be offered to meet special circumstances. No more than 3 units of directed reading may be applied toward degree requirements and, except with the approval of the department, such units will not be applied toward the distribution requirement.

Note: Not open to Majors except with special permission of the department. 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
Portuguese Department of Hispanic and Italian Studies
Faculty of Humanities

Native speakers of Portuguese may not obtain credit for 100- or 200-level courses. A native speaker is defined as a person who has spoken Portuguese since childhood and/or has received sufficient instruction in the language to enable him to function in it. The Department will assign students with previous knowledge to the appropriate level.

PORT 100A Units: 1.5 Hours: 3-1
Beginners’ Portuguese I
Focuses on the acquisition of basic skills of pronunciation, reading, writing and conversation. Includes instruction in essential points of grammar, basic syntax and vocabulary for daily interaction.

PORT 100B Units: 1.5 Hours: 3-1
Beginners’ Portuguese II
A continuation of 100A, with emphasis on the acquisition of basic skills. Vocabulary and grammatical concepts will be expanded.

PORT 250A Units: 1.5 Hours: 3-1
Review of Grammar and Conversation I
Intensive review of grammatical concepts and structures presented in 100A and 100B and the acquisition of composition and translation skills. Readings may be taken from significant Portuguese authors. One hour a week is devoted to conversation.

PORT 250B Units: 1.5 Hours: 3-1
Review of Grammar and Conversation II
A continuation of 250A. Review of grammatical concepts and structures introduced in 100A and 100B as well as on the expansion and consolidation of skills acquired in 250A. Readings may be taken from significant Portuguese authors. One hour a week is devoted to conversation.

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.

**PSYC**

Psychology

Department of Psychology
Faculty of Social Sciences

PSYC 100A Units: 1.5 Hours: 3-0
Formerly: half of 100 Introductory Psychology I
An introduction to concepts, theories and research findings of modern psychology. Topics may include psychological research methods, biological bases of behaviour, perception, development, consciousness, learning and cognition.

Note: Credit will be granted for only one of 100A, 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 II
An introduction to concepts, theories and research findings of modern psychology. Topics may include cognition, development, personality, health psychology, psychological disorders, psychological therapies, and social behaviour.

Note: Credit will be granted for only one of 100B, 100B. A minimum grade of C+ is required for the Major or Honours program.

PSYC 201 Units: 1.5 Hours: 3-1
Formerly: half of 200
Research Methods in Psychology
Introduction to basic research techniques in psychology; emphasis on the conceptual rather than the statistical rationale underlying various research strategies. Areas include the nature of variables, types of measurement, how to generate and test hypotheses, types of validity, and how to interpret and report results. Laboratory exercises and class demonstrations on the processes involved in conducting empirical research.

Note: Credit will be granted for only one of 201, 200. See Note 1, page 215.

Prerequisites: 100A and 100B, with a minimum GPA of 3.0 for both.

PSYC 202 Units: 1.5 Hours: 3-0
Applied Research Methods in Psychology
An introduction to research methods often used for psychological studies outside the lab. These include field experiments and quasi-experiments; correlational studies; surveys; sampling and questionnaires; descriptive and qualitative methods; case studies and single-case designs.

Prerequisites: 100A and 100B with a minimum grade of C+ in each; 201 with a minimum grade of C.

PSYC 210 Units: 1.5, formerly 3 Hours: 3-0
Conceptual Foundations of Psychology
Provides students with the background necessary to facilitate a full appreciation of upper-level courses. Current problems in psychology will be examined with reference to outstanding past and present persons and issues.

Note: See Note 1, page 215.

Pre- or corequisites: 100A and 100B.

PSYC 215A Units: 1.5 Hours: 3-0
Formerly: half of 230
Introduction to Biological Psychology
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.

PSYC 250A Units: 1.5, formerly 3 Hours: 3-0
Formerly: 361
An introduction to the study of human behaviour and processes as related to human and animal brain function and organisation. Consideration of the contributions of neuroscience, experimental and clinical neurophysiology to the understanding of normal cognitive and affective processes.
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 and 215A.

**PSYC 317B**
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** half of 317 Human Perception
  
  An introduction to how our perceptual world is constructed from the input provided by our physical sensory structures. Topics include the construction of spatial percepts, the perception of form and art, and individual differences in perceptual experience. The emphasis is on the hypothesis testing aspects of our perceptual experience.
  
  **Note:** Credit will be granted for only one of 317B, 317.
  
  **Prerequisites:** 100A and 100B, and either 215A or 317A.

**PSYC 320**
- **Units:** 1.5
- **Hours:** 3-0
- **Evolutionary Psychology**
  
  Provides an overview and history of the field of evolutionary psychology and includes evolutionary perspectives on psychological topics such as learning, cognition, consciousness, social behaviour, families and culture.
  
  **Prerequisites:** 100A, 100B, 201, 210, and 215A.

**PSYC 323**
- **Units:** 1.5
- **Hours:** 3-0
- **Advanced Biopsychology**
  
  This is an advanced course on the physiological basis of behaviour. The initial portion will cover the fundamentals of neurophysiology and neuroanatomy from a functional perspective, with an emphasis on the anatomy of the human nervous system. The latter portion will examine the physiological basis of 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 Psychophysics**
  
  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 and 100B.

**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, 100B, and either 201 or third-year standing.

**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
- **Hours:** 3-0
- **Formerly: 235 Environmental Psychology**
  
  Human interaction with the physical environment from a psychological perspective. Topics include environmental perception, changes and assessment; personality and environment; the dynamics of social space; the effects of temperature, sound, light and spatial arrangements in neighbourhoods, homes,
schools and workplaces; mutual influences of individuals and the natural environment, the design of buildings, and resource management.

**Prerequisites:** 201 or registration in Environmental Studies.

**PSYC 360**  
Units: 1.5  
Hours: 3-0  
Formerly: half of 430

**Psychological Disorders of Adulthood**  
Examines theory and research related to an understanding of psychological disorders of adulthood. Topics include mood and anxiety related disorders, personality disorders, substance abuse and dependence, schizophrenia and other psychotic disorders, and cognitively based disorders. Topics will be discussed in terms of biological, learning, developmental, humanistic, and cross-cultural perspectives.

**Note:** Credit will be granted for only one of 360, 430.

**Prerequisites:** 100A, 100B, 201 and 215A.

**Pre-or corequisites:** Recommended: 361 or volunteer experience with a community agency.

**PSYC 361**  
Units: 1.5  
Hours: 1.5-0  
Formerly: half of 430

**Field Placement in Psychology**  
Provides firsthand experience with individuals who are challenged by physical, cognitive, emotional, and/or psychological disorders. Successful completion of the course requires approximately 65 hours of participation in a volunteer field placement with a community agency (spread over at least 4 months), class attendance and preparation of assignments pertaining to the volunteer experience. Students will be responsible for obtaining the field placement site, with assistance and coordination of the instructor. Meets September to April.

**Note:** Credit will be granted for only one of 361, 430.

**Pre-or corequisites:** 380 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.

**Prerequisites:** 100A and 100B.

**Pre-or corequisites:** 330, 360 or 430.

**PSYC 366**  
Units: 1.5  
Hours: 3-0  
Formerly: 436

**Psychological Disorders of Childhood and Adolescence**  
A detailed study of theoretical and research approaches to the understanding of developmentally-related disorders of childhood and adolescence. Emphasis will be on etiology, description and treatment of these disorders which are in specific developmental "stages," although other disorders which frequently occur during childhood/adolescence will also be considered.

**Note:** Credit will be granted for only one of 366, 436.

**Prerequisites:** 100A, 100B and either 201 or third-year standing.

**Pre-or corequisites:** Recommended: Course in developmental or child psychology and 361 or volunteer experience with a community agency.

**PSYC 370A**  
Units: 1.5  
Hours: 3-0

**Psycholinguistics**  
Offered in collaboration with the department of Linguistics. A course in the psychology of language, examining the process of comprehension and production, including language and cognition, conversational discourse, and inference and semantics, among other topics.

**Note:** Credit will be granted for only one of 370A, 370, LING 370, LING 370A.

**Prerequisites:** 100A, 100B and permission of the instructor.

**PSYC 370B**  
Units: 1.5  
Hours: 3-0  
Also: LING 370B  
Formerly: 369

**Developmental Psycholinguistics**  
Offered in collaboration with the department of Linguistics. The course examines the biological bases of language; stage by stage acquisition of phonology, morphology, syntax, and semantics of the child's first language; and the child's developing metalinguistic abilities. Also treated are the child's growing awareness of the form and function of speech acts, as well as the discourse rules governing conversations.

**Note:** Credit will be granted for only one of 370B, 369, LING 369, LING 370B.

**Prerequisites:** 100A, 100B; or permission of the instructor.

**PSYC 380**  
Units: 1.5  
Hours: 3-0

**Psychology and Law**  
Consideration of the contributions of psychological theory and research to the understanding of crime investigation, courtroom dynamics, and the legal system. Specific topics will vary from year to year but may include eyewitness testimony, police practices, judge and jury decision making, lie detection and confessions, expert testimony. Topics will be discussed from the perspectives of social and cognitive psychology.

**Prerequisites:** 100A, 100B, and 201

**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.

**Prerequisites:** 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.

A01: Psychology of Criminal Justice Processes

**Prerequisites:** 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.

**Prerequisites:** 100A, 100B, 300B and permission of the instructor.
Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

**Prerequisites:** 100A, 100B 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.

**Note:** Credit will be granted for only one of 415A, 415.

**Prerequisites:** 100A, 100B and 315.

**PSYC 415B** Units: 1.5 Hours: 3-0
Formerly: 423

**Biological Psychology**
Extensive, research oriented examination of contemporary topics in biological psychology. Topics may include the biopsychology of motivation, memory, neural plasticity and changes in function after brain injury. The seminar format of this course requires students to make an oral presentation and write a term paper about an area of current research.

**Note:** Credit will be granted for only one of 415B, 423.

**Prerequisites:** 100A, 100B, 215A and one of 323, BIOL 345, BIOL 363.

**Pre- or corequisites:** 300B or STAT 255/256 recommended.

**PSYC 431B** Units: 1.5 Hours: 3-0

**Social Psychology: Social Cognition**
Intensive examination of the social psychological literature emphasizing how people think about and make sense of their social experience. Topics may include how people create and maintain a sense of identity, close relationships, attitudes, persuasion, and applications of social psychology.

**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 340.

**PSYC 431E** Units: 1.5 Hours: 3-0

**Social Psychology: Environmental Psychology**
An in-depth analysis of how people’s thoughts, feelings, and interactions influence and are influenced by the built and natural environment.

**Prerequisites:** 100A, 100B and 350.

**PSYC 431G** Units: 1.5 Hours: 3-0

**Motivation**
An examination of the psychological forces which activate, organize and direct human behaviour. Contemporary theoretical, conceptual and methodological issues will be assessed in the light of recent research findings and applications. Emphasis on social-cognitive approaches to motivation and self-regulation. (Physiological factors are studied in other courses, e.g. PSYC 323, 324.)

**Note:** Credit will be granted for only one of 431G, 491: “Motivation.”

**Prerequisites:** 100A, 100B, 201 and 210 and third-year standing.

**PSYC 435A** Units: 1.5 Hours: 3-0

**Infant Development**
Intensive examination of specific processes in infant development. Possible topics will include social-emotional and cognitive development, parenting and attachment, perception, motor development, neurological development.

**Prerequisites:** 100A, 100B, 201 and one of the 300-level developmental courses 335, 336, 339, and 342.

**PSYC 435B** Units: 1.5 Hours: 3-0

**Child and Adolescent Social and Personality Development**
Intensive examination of specific processes in child and adolescent social and personality development. Possible topics will include identity, peer influences, schooling, aggression, deviance, sexuality, cultural influences, social development, moral development, developmental psychopathology.

**Prerequisites:** 100A, 100B, 201 and one of the 300-level developmental courses 335, 336, 339, and 342.

**PSYC 435C** Units: 1.5 Hours: 3-0

**Child and Adolescent Cognitive Development**
Intensive examination of specific processes in child and adolescent cognitive development. Possible topics will include decision making, reasoning, neuro-physiological changes, memory, language, learning problems, problem solving.

**Prerequisites:** 100A, 100B, 201 and one of the 300-level developmental courses 335, 336, 339, and 342.

**PSYC 435D** Units: 1.5 Hours: 3-0

**Adult Social and Personality Development**
Intensive examination of specific processes in adult social and personality development. Possible topics will include personality traits, identity, goals and motives, emotions, social interaction, beliefs and values, successful aging, compensatory mechanisms, cultural context.

**Prerequisites:** 100A, 100B, 201 and one of the 300-level developmental courses 335, 336, 339, and 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, and 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 Hours: 3-0

**Advanced Independent Study in Psychology**
Directed independent study for the advanced student intended primarily to allow students and a faculty supervisor to pursue a topic of mutual interest. Complete pro forma arrangements must be made with an instructor in the department before registering.

**Notes:** - May be taken more than once in different topics.
- The maximum credit for 390 and 490 together must not exceed 6.0 units unless permission of the Chair of the department is obtained.

**Prerequisites:** 100A, 100B, 201, 390, fourth-year standing and a minimum GPA of 5.50 in the last 15 units attempted.

**PSYC 491** Units: 1.5 Hours: 3-0

**Advanced Special Topics in Psychology**
Intensive examination of a specific topic or area in Psychology. Topic(s) and information will be provided in advance of registration. The seminar format of this course requires students to participate orally in class and to submit a term paper. May be taken twice on different topics.

**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 student will work closely with a faculty supervisor regarding details of the written thesis which is submitted in April.

**Prerequisites:** Admission to the Honours Program.

**RS**

**Religious Studies**

**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, Philo-sophy, Psychology, and Sociology contribute to the study of religion.

**RUSS**

**Russian Department of Germanic and Slavic Studies**

**Faculty of Humanities**

**Courses offered by the Department of Germanic and Slavic Studies are also found under the following course code: SLAV (Russian Studies).**

**RUSS 100A** Units: 1.5 Hours: 3-0

Formerly: first half of 100

**Beginner’s Russian I**
Introduction to the fundamentals of Russian grammar, basic reading, writing, and conversational skills. Includes practice in the Language Centre.
Taste; Formerly: second half of 302

Stalinism: Society and Culture (in English) second half of 200

Note: Credit will be granted for only one of 300B, 302.

Prerequisites: 100A or permission of the department.

RUSS 161 Units: 1.5 Hours: 3-0

The Culture of the Russian Revolution
An exploration of the literature, film, and art produced by the revolution that shook the world. Introduction to Russia's rich contribution to modern world culture and an investigation of the experiments of the Russian avant-garde. Texts and films may include: Mayakovsky (et al), A Slap in the Face of Public Taste; Zamyatin, We; Eisenstein, Battleship Potemkin; Pudovkin, The End of St. Petersburg; and Malevich, Suprematism.

Note: No knowledge of Russian required.

RUSS 200A Units: 1.5 Hours: 3-0

Formerly: first half of 200

Intermediate Russian I
A continuation of 100A and 100B designed to complete the fundamentals of Russian grammar and develop basic skills to the intermediate level.

Note: Credit will be granted for only one of 200A, 200.

Prerequisites: 100A and 100B, or permission of the department.

RUSS 201B Units: 1.5 Hours: 1-10

Formerly: part of 301

Russian Cultural History II
A survey of Russian culture from the beginnings to 1917. Lectures will focus on major developments in literature, folklore, philosophy, religion, music, art and architecture, as seen against the background of Russia's historical past.

Note: Credit will be granted for only one of 301A, 301.

No knowledge of Russian required.

RUSS 301B Units: 1.5 Hours: 1-10

Formerly: part of 301

Advanced Russian Conversation and Practice I
Designed to improve students' mastery of the spoken and written language and to enhance reading skills based on major works of literature. The course is conducted mainly in Russian.

Note: Credit will be granted for only one of 303, 303B, 302.

Prerequisites: 200A and 200B or 203, or permission of the department.

RUSS 303 Units: 1.5, formerly 3 Hours: 3-0

Advanced Russian Conversation and Practice I
A critical analysis and appreciation of the seven films directed by Russian filmmaker Andrei Tarkovsky. Lectures and discussion will include: Tarkovsky's role in Russian film culture, background of Russian art and literature, poetic realism, time and memory, allegory and symbolism, and Tarkovsky's views on the responsibility of the artist. Films will be analyzed with regard to cultural, spiritual, philosophical and psychological considerations.

Note: Credit will be granted for only one of 315, 434 if taken under the same topic. No knowledge of Russian required. May count towards a Minor in Film Studies.

RUSS 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 534, 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 315 Units: 1.5 Hours: 3-0

Sculpting in Time - The Cinematic Art of Andrei Tarkovsky
A critical analysis and appreciation of the seven films directed by Russian filmmaker Andrei Tarkovsky. Lectures and discussion will include: Tarkovsky's role in Russian film culture, background of Russian art and literature, poetic realism, time and memory, allegory and symbolism, and Tarkovsky's views on the responsibility of the artist. Films will be analyzed with regard to cultural, spiritual, philosophical and psychological considerations.

Note: Credit will be granted for only one of 315, 434 if taken under the same topic. No knowledge of Russian required. May count towards a Minor in Film Studies.

RUSS 331 Units: 1.5 Hours: 3-0

Formerly: 250

Nations and Cultures of the Former Soviet Union
A survey of imperial expansion and cultural life in the Russian Empire and the Soviet Union with a special emphasis on the national awakening among the non-Russian peoples. This course includes discussion of post-Soviet ethnic conflicts and cultural transformations.

Note: Credit will be granted for only one of 331, 250. No knowledge of Russian required.

RUSS 360 Units: 1.5 Hours: 3-0

Russian Comedy on Stage and Screen
A survey of the Russian comedic tradition from early vaudeville to contemporary tragi-comedy, satire, fantasy and burlesque. Texts and films may include works by Gogol, Chekhov, Ryazanov and Mamin.

Note: May count towards Minor in Film Studies. No knowledge of Russian required.

RUSS 400A Units: 1.5 Hours: 3-0

Formerly: first half of 406

Advanced Grammar and Stylistics I
An advanced course in the use of Russian, both written and spoken. The course will stress written composition, stylistic analysis, and conversational fluency.

Note: Credit will be granted for only one of 400A, 406.

Prerequisites: 302, or 300A and 300B, or permission of the department.

RUSS 400B Units: 1.5 Hours: 3-0

Formerly: second half of 406

Advanced Grammar and Stylistics II
A continuation of 400A. An advanced course in the use of Russian, both written and spoken. This course will stress written composition, stylistic analysis and conversational fluency.
Horseman

SCIENCE

SCIENCE

SEU 100

SEU 200

SEU 300

SEU 400

SEU 500

SEU 600

SEU 700

SEU 800

SEU 900

SEU 1000

SEU 2000

SEU 3000

SEU 4000

SEU 5000

SEU 6000

SEU 7000

SEU 8000

SEU 9000

Note: Credit will be granted for only one of 400B, 406.

Prerequisites: 400A or permission of the department

RUSS 405

Formerly: 427

Advanced Russian Conversation and Practice II

A sequel to 303 conducted entirely in Russian, and designed to further the students command of idiomatic Russian and to enhance oral skills.

Note: Credit will be granted for only one of 403, 427.

Prerequisites: 302 or 300A and 300B, or permission of the department

RUSS 434

Units: 1.5

Hours: 3-0

Special Topics

A variable topics course designed to focus on a specific topic.

Note: May be taken more than once for credit in different topics to a maximum of 6 units.

RUSS 460

Units: 1.5

Hours: 3-0

Forbidden Books, Forbidden Film

A study of selected works of Russian literature and cinema which have been banned, censored and prohibited, from the Imperial to the Soviet period. Texts and films may include: Pushkin, The Bronze Horseman; Tolstoy, The Kreutzer Sonata; Chemyshewsky, What is to be Done?; Bulgakov, The Master and Margarita; Nabokov, Lolita; and Eisenstein, Ivan the Terrible.

Note: No knowledge of Russian required.
tronics commerce, security, privacy, markup and scripting languages, hypermedia and Web integration.

Prerequisites: CSC 110 or 111.

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, 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 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 design languages, modeling techniques and tools, model driven code engineering, scalable software architectures, component-based software development, interfaces, libraries, event-driven programming, middleware and integration testing.

Note: Credit will be granted for only one of 271, 221.

Pre- or corequisites: 265

SENG 310 Units: 1.5 Hours: 3-2
Human Computer Interaction
Understanding human behaviour as it applies to user interfaces: work activity analysis, observational techniques, questionnaire administration and unobtrusive measures. Operating parameters of the human cognitive system, task analysis and cognitive modelling techniques and their application to designing interfaces. Interface representation and prototyping tools. Cognitive walkthroughs, usability studies and verbal protocol analysis. Case studies of specific user interfaces.

Prerequisites: 221 or 265 or CSC 265 or 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
Topics include basic cryptography, security protocols, access control, multilevel security, physical and environmental security, network security, application security, security services; security aspects and business continuity planning. Discussions applications which need various combinations of confidentiality, availability, integrity and coereness properties; mechanisms to incorporate and test 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 with what associated risks: labour, material and accounting analyses, forecasting, estimating (operation, product, 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 arising in the context of Software Engineering. Topics include: the impact of software systems on privacy and handling of personal information; the roles of encryption and interception of communication; trust in computers; free speech and civil discourse through the internet; intellectual property such as copyright and patents in the age of digital systems; computer crime; computers in the workplace; professional ethics and responsibilities; sustainable development and environmental stewardship.

Note: Credit will be granted for only one of 401, 400, ENGR 297.

Prerequisites: Fourth-year standing.

SENG 410 Units: 1.5 Hours: 3-0
Media Applications
The influence of technology, especially digital technology, on how we express ourselves, how we communicate with each other, and how we perceive, think about, and interact with our world. The invention and creative use of enabling technologies for understanding and expression by people and machines. Topics include: digital video representations, three-dimen-

SENG 412 Units: 1.5 Hours: 3-0
Human Factors in Engineering
Accidents associated with “human error” often reflect the failure to recognize human factors in the design stage. This course reviews human, motor, and cognitive performance characteristics and derives human engineering design criteria. Principles of displays, controls and ergonomics are discussed.

Note: Credit will be granted for only one of 412, CENG 412.

Prerequisites: Fourth-year standing in the Faculty.

SENG 425 Units: 1.5 Hours: 3-0
Software Architecture
Architectural design of complex software systems. Techniques for designing, evaluating and implementing software system structures, models and formal notations for characterizing and reasoning about architectures, tools and generating specific instances of an architecture, and case studies of actual system architectures. Role of Standards. Students must complete a project that involves substantial software design. Students work in teams. Progress is determined through a preliminary design review; presentation; demonstration of the design; and final report.

Prerequisites: Either 271 or 330, and either 321 or 365.

SENG 424 Units: 1.5 Hours: 3-0
Reliability Engineering
Interpretations of the concept of probability. Basic probability rules; random variables and distribution functions; functions of random variables. Applications to quality control and the reliability assessment of software and mechanical/electrical components, as well as simple structures and redundant systems. Uncertainty propagation in complex systems. Examples and applications.

Prerequisites: Fourth-year standing in the Faculty.

SENG 426 Units: 1.5 Hours: 3-2
Software Quality Engineering
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.

SENG 450 Units: 1.5 Hours: 3-0
Network-centric Computing
Trends in conducting business electronically and currently available products to support electronic commerce. Electronic brokers; intelligent agents. Technologies necessary for electronic commerce to achieve its potential. Standards to improve the integration of desktop clients with centralized computing servers to allow better leverage of existing hardware/software, and to achieve reduction of user training costs. Backups, network security, network management, performance management and recovery.
Prerequisites: 330 and CSC 360.

SENG 454 Units: 1.5 Hours: 3-1
Component-Based Software Engineering
Building large-scale and complex software systems from available parts by consistently increasing return on investment and time to market, while assuring high quality and reliability. The course offers advanced topics on software components and component-based software engineering from research and practice.
Prerequisites: 371 and 435.

SENG 460 Units: 1.5 Hours: 3-0
Practice of Information Security
Aims to present a holistic view of various security engineering topics through practical case studies. Topics include enterprise security architecture, security threat and risk assessment, education and awareness, monitoring, investigation and forensics, application security, media handling and intellectual property, privacy, physical and environmental security, and business continuity planning. Also introduces information security-related certification and relevant professional associations.
Prerequisites: 360 or fourth-year standing in Computer Engineering.

SENG 461 Units: 1.5 Hours: 3-1
Network Security
Surveys the challenges, principles and practice of modern network security. Topics covered include network security vulnerabilities and threats; network security risk analysis techniques and countermeasures; design and implementation of secure network architecture; intrusion detection and prevention models and technologies; firewall architectures and technologies; network security protocols; Virtual Private Networks (VPNs); principles, techniques and practice of network forensics.
Prerequisites: 360 or fourth-year standing in Computer Engineering and either CSC 361 or CENG 460.

SENG 462 Units: 1.5 Hours: 3-0-1
Distributed Systems and the Internet
Prerequisites: 330, CSC 360 or CENG 460.

SENG 466 Units: 1.5 Hours: 3-1
Software for Embedded and Mechatronics Systems
Software engineering methods and techniques for systematic development and maintenance of embedded and mechatronics systems. Topics include requirements of software that drives mechatronics systems; specifications of mechatronics, real-time and reactive systems, safety, validation, verification, simulation and testing of mechatronics software. Building product-line software architectures of mechatronics systems is also addressed.
Prerequisites: One of 265, 321 or 365

SENG 470 Units: 1.5 Hours: 3-0
Management of Software Development
Prerequisites: 265 or 365 or CSC 265.

SENG 472 Units: 1.5 Hours: 3-1
Software Process
Software process design, modeling, implementation, management, assessment and improvement as well as other non-process factors that affect software quality. ISO 9001, SEIs CMM. Group projects involving industry-relevant software process definition and assessment. Individual study of the research literature. ROI (Return on Investment) analysis.
Prerequisites: 265 or CSC 265.

SENG 474 Units: 1.5 Hours: 3-1
Data Mining
An introduction to data mining. Data preparation, model building, and data mining techniques such as clustering, decision trees and neural networks will be discussed and applied to case studies. Data-mining software tools will be reviewed and compared.
Prerequisites: 265.

SENG 480 Units: 1.5 Hours: 3-0
Topics in Software Engineering
The topics in this course depend primarily on the interests of the instructor. Entrance to the course will be restricted to third and fourth-year students who meet the prerequisites specified for the topic to be offered. Some topics may require laboratory work as well as lectures.
Note: Offered as SENG 480A, 480B, 480C, 480D. May be taken more than once for credit in different topics with permission of the Chair of the student’s Program Department.

SENG 490 Units: 1.5 or 3.0
Directed Studies
Note: Students must consult their Program Department before registering. May be taken more than once for credit in different topics with permission of the Chair of the student’s Program Department.

SENG 499 Units: 1.5 Hours: 0-0-6
Technical Project
The student is required to pursue an independent project under the supervision of a faculty member, to prepare a written report and present a seminar describing the work. Projects will normally focus on large software systems, and collaboration with an industrial sponsor is encouraged.
Prerequisites: Fourth-year standing in the Faculty.
SLAV 390  Units: 1.5 or 3.0
Directed Studies in a Slavic Language
May be offered as a reading or grammar course at any level, from introductory to advanced. The language may be Russian or another Slavic language. May also be offered as an introduction to teaching methodology in the Russian language.

Note: May be taken more than once for credit in a given language to a maximum of 6 units.
Prerequisites: Permission of the department.

SOCI

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 218 UVic Calendar) has been satisfied.

SOCI 100A  Units: 1.5  Hours: 3-0
Formerly: part of 100
Introduction to Sociology: Culture and Socialization
Introduces students to the discipline, beginning with an overview of sociological theory and methods. Substantive topics include culture, socialization, interaction in groups and organizations, deviance and crime, sexuality, and social stratification.

Note: Credit will be granted for only one of 100A, 100.

SOCI 100B  Units: 1.5  Hours: 3-0
Formerly: part of 100
Introduction to Sociology: Institutions and Social Change
An overview of sociological theory and methods, followed by discussion of types of stratification, issues of race and ethnicity, economic and political institutions, families, religion, education, health and medicine, population, urbanization, the environment, and social change.

Note: Credit will be granted for only one of 100B, 100; normally students will take 100A first, but 100A and 100B may be taken in either order, or concurrently.

SOCI 103  Units: 1.5  Hours: 3-0
Formerly: half of 200
Canadian Society
The origins, development, and structure of Canadian society analyzed in terms of the new Canadian political economy. Examples of questions which may be addressed are: What kind of society exists in Canada? How did it come to acquire its unique features? What role has immigration played in Canada’s development? What kinds of social inequality exist in Canada and why?

Note: Credit will be granted for only one of 103, 200.

SOCI 202  Units: 1.5  Hours: 3-0
Introduction to Social Problems
The focus of the course will be theories concerning social problems and/or an empirical examination of specific issues that have become the object of public debate and discussion, such as crime, violence, drug use, surveillance, terrorism, sadism, homelessness, and sex work.

Prerequisites: 100, or a minimum sessional GPA of 4.0.

SOCI 210  Units: 1.5  Hours: 3-0
Formerly: 308
History of Sociological Theory
Survey of major sociological theories and theorists from approximately 1850 to 1960.

Note: Credit will be granted for only one of 210, 209, 300, 308.

Prerequisites: 100.

SOCI 211  Units: 1.5  Hours: 3-0
Introduction to Sociological Research
Introduction to important concepts and strategies of social research, including conceptualization and measurement, research design, sampling, the collection and analysis of qualitative and quantitative data.

Notes: - Credit will be granted for only one of 211, 208, 375.
- Students with credit in BOTH 375A and 375B may not receive credit for 211.

Prerequisites: 100.

SOCI 215  Units: 1.5  Hours: 3-0
Introduction to Social Inequality
Introduction to major sociological research and theories on social inequality.

Prerequisites: 100.

SOCI 271  Units: 1.5  Hours: 3-1
Formerly: 371, 371A
Introduction to Statistical Analysis in Sociology
Descriptive statistics, probability distributions, statistical inference, including estimation and significance tests, and an introduction to bivariate analysis. Computer assisted analysis of sociological data.

Note: Credit will be granted for only one of 271, 371A, 371. (See Credit Limit, page 32)

SOCI 285  Units: 1.5  Hours: 3-0
Health over the Life Course
This course is designed to provide an introduction to the sociology of health from childhood to old age. It is a general survey of the area rather than an in-depth examination of any one aspect. This includes a variety of theoretical perspectives from micro, meso and macro approaches as well as topics such as the experience of being healthy and of having different illnesses; distributions of different diseases and conditions; health and illness beliefs and behaviours; structural influences on health and illness; inequalities in health and illness; the role of individual agency; self, informal and formal care; and health care policy, all using a life course lens.

SOCI 304  Units: 1.5, formerly 3  Hours: 3-0
The Individual and Society
An introduction to sociological perspectives on social psychology, emphasizing the importance of social structure in accounting for such topics as social cognition, the self, social interaction, and collective behaviour. Students will have the opportunity to experience directly, in a series of research exercises, the diverse research methods used by social psychologists.

SOCI 305A  Units: 1.5  Hours: 3-0
Formerly: part of 305
Sociological Perspectives on Family Relationships
Exploration of theory and research on the dynamics of family relationships over family life-cycles. Topics include the formation of couple relationships; becoming a parent; parent-child relationships and their influence on children’s social and emotional development; and the ways in which families respond to tensions and conflict within relationships, focusing on the effects of separation and divorce.

Note: Credit will be granted for only one of 305A, 305B, 305A and 305B may be taken in either order.

SOCI 305B  Units: 1.5  Hours: 3-0
Formerly: part of 305
Families and Social Change
Complements 305A by studying the relationship between the family and society, looking at continuity and change in contemporary Canadian family forms in the context of other cultures and periods. Emphasizes how social, economic and demographic changes in Canadian society have reshaped family forms and practices over the past century; discusses current family trends and evaluates their social policy implications for the future.

Note: Credit will be granted for only one of 305B, 305, 305A and 305B may be taken in either order.

SOCI 306  Units: 1.5  Hours: 3-0
Formerly: part of 301
Deviance and Crime
Examines basic theories, evidence and social processes relating to the construction of deviance and crime.

Note: Credit will be granted for only one of 306, 301.

SOCI 307  Units: 1.5  Hours: 3-0
Formerly: part of 301
Regulation and Social Control
Examines law, mass media and the criminal justice system as institutions of regulation and social control.

Note: Credit will be granted for only one of 307, 301.

SOCI 309  Units: 1.5  Hours: 3-0
Modern Social Theory
Survey of substantive theoretical perspectives in sociology since mid-twentieth century, including the consolidation and contestation of multiple paradigms, their connections back to classical formulations, and the cultural and political currents with which they have been aligned.

Pre-or corequisites: 210 or 308.

SOCI 310  Units: 1.5  Hours: 3-0
Religion in Society
Selected theories and research on the relationship between religion and other areas of society. Topics may include: sects, cults and other religious organizations; gender and the social position of women; religion and political conflict; the issue of the rising or declining influence of religion in contemporary societies.

SOCI 311  Units: 1.5  Hours: 3-0
Ideology and Society
A discussion of the concept of ideology in various theoretical perspectives, such as Marxism, feminism, cultural studies, and post-modernism. Specific topics to be explored may include the role of ideology in the mass media, formal education, colonialism and post-colonialism, and everyday life.

SOCI 315  Units: 1.5, formerly 3  Hours: 3-0
Class, Status and Power
An overview of theory and research in the area of social inequality. Focus is on the sources and consequences of the various forms of inequality (e.g. political, social, economic) found in present day societies.

SOCI 316  Units: 1.5  Hours: 3-0
Social Movements
A study of social movements in the making of modernity and its ongoing transformations. Exploration of how movements arise and are maintained, of why certain kinds of movements emerge in specific contexts, and of what impact they have upon socio-political relations and cultural discourses, both globally and locally. Specific social movements such as feminism, ecology, gay and lesbian liberation, Aboriginal activism, the peace movement, labour, socialism, and religious fundamentalism will be examined.

SOCI 321  Units: 1.5  Hours: 3-0
Sociology of Work and Occupations
Explores central concepts in the sociology of work and occupations, followed by a historical overview of work in human societies, methods of training people for work, and the sociological study of the world of work. Also examines current employment patterns and trends, the nature of labour markets and jobs, the gendered arrangements of paid and unpaid work,
SOCI 322  Units: 1.5  Hours: 3-0  Formerly: part of 323 and 325
Sociology of Groups and Organizations
An overview of theories and research on groups and organizations from the discipline of sociology. Includes a survey of the classic studies on small groups and formal organizations, as well as discussion of ongoing issues in methodology and theory.
Note: Credit will be granted for only one of 322, 323, 325.

SOCI 326  Units: 1.5  Hours: 3-0  Formerly: half of 330
Social Networks
The major models, methods, and findings of network analysis. The following areas may be discussed: friendship, social influence and status, small groups, communication and diffusion of information, corporate and community organization, social and economic mobility, and computer analysis of network data.
Prerequisites: 211

SOCI 328  Units: 1.5  Hours: 3-0  Formerly: half of 330
Issues in the Sociology of Equity and Diversity
Studies of theory, research, and policy issues in equity and diversity.

SOCI 331  Units: 1.5  Hours: 3-0  Formerly: half of 330
Political Sociology
Study of the social bases (e.g. region, class, religion, ethnicity, language, culture) of political behaviour.
Note: Credit will be granted for only one of 331, 330.

SOCI 332  Units: 1.5  Hours: 3-0  Formerly: half of 330
Elites and Society
Study of institutional elites (e.g. business, labour, state, media, church, educational, military) and their roles in society.
Note: Credit will be granted for only one of 332, 330.

SOCI 333  Units: 1.5  Hours: 3-0
Racialization and Ethnicity
Using mainly Canadian examples, this course examines theories and research on racialization, racism, and ethnic identities with special emphasis on their relationship to social inequalities.

SOCI 343  Units: 1.5  Hours: 3-0  Formerly: part of 345
Population Dynamics
An introduction to demography, the scientific study of human populations. The core demographic variables - marriage, fertility, mortality, migration, population growth and age structure. Emphasis on interrelations among these variables, and on their social/behavioural causes. Practical exercises in demographic calculation using spreadsheets, including elementary population forecasting.
Note: Credit will be granted for only one of 343, 340.

SOCI 345  Units: 1.5  Hours: 3-0
Sociology of Mental Health
A critical overview of the problems of mental health and illness from a sociological perspective. Topics include the theoretical foundations of the sociology of mental health, the social conditions that influence mental well-being, the experience and social meaning of mental illness and its treatment, institutionalization and deinstitutionalization, and the social construction of mental disorders.

SOCI 355  Units: 1.5  Hours: 3-0
The Corporation and Society
The corporation as a basic institution in modern Western societies; its development in Canada and elsewhere; its impact on other institutions, including the family, education, the state and social class.

SOCI 356  Units: 1.5  Hours: 3-0  Formerly: part of 353
Sociology of Leisure
Conceptual problems in the identification of leisure. The production, consumption and distribution of leisure. The emergence of leisure defined lifestyles. The study of selected leisure activities.

SOCI 371B  Units: 1.5  Hours: 3-1  Formerly: 471, 372
Statistical Analysis in Sociology: II
An introduction to multivariate relationships, including multiple regression and correlation, analysis of variance and covariance and other topics of the general linear model. Computer-assisted analysis of sociological data.
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.
Prerequisites: 371A

SOCI 373  Units: 1.5  Hours: 3-0
Critical Research Strategies
Survey of strategies and techniques for conducting social research in the context of social justice initiatives. Approaches examined may include action research and participatory research, institutional ethnography, feminist research, genealogy, discourse analytic research, critical media studies, and applied research in various socio-political settings.
Prerequisites: 211

SOCI 374  Units: 1.5  Hours: 3-0  Formerly: half of 375, 375A
Qualitative Research Methods
Strategies of qualitative research design. Possible topics include: indepth interviews, narrative analysis, field work, evaluation, historical research, and textual analysis.
Note: Credit will be granted for only one of 374, 375, 375A
Prerequisites: 211

SOCI 376  Units: 1.5  Hours: 3-1  Formerly: half of 375, 375B
Quantitative Research Methods
Strategies of quantitative research design. Possible topics include: experimental designs, survey research, questionnaire construction and secondary data analysis.
Note: Credit will be granted for only one of 376, 375, 375B
Prerequisites: 211 and 271.

SOCI 381  Units: 1.5  Hours: 3-0
Sociology of Gender
An examination of the social import of gender in contemporary society. Includes evaluation of evidence of biological, psychological and social differences and similarities between males and females; definitions of masculinity and femininity; androgyny; gender power and socialization; implications of gender for achievements in education, income, and occupations; consideration of relevant sociological theory; and analysis of consequences of social changes affecting gender.

SOCI 382  Units: 1.5  Hours: 3-0
Human Sexuality
An examination of theories and practices of human sexual variance. Some varieties of sexuality studied may include heterosexuality, homosexuality, bisexuality, transgendered and transsexual sexuality. Theories to be explored may include aetiologies of sexual behaviours and interplay of genders with sexualities.

SOCI 385  Units: 1.5  Hours: 3-0
Sociology of Aging
A survey of sociological approaches to aging, including topics such as: cultural definitions of age, demographic trends and consequences; methodological problems in the study of aging; age stratification; retirement; death and dying.

SOCI 390  Units: 1.5  Hours: 3-0
Selected Problems in Sociology
Presentation of current interests of various faculty members.
Note: Students interested in this course should inquire at Registration when the course is to be offered and what the substantive presentation will involve. Students may enroll in this course in different areas for a maximum of 3 units.

SOCI 401  Units: 1.5  Hours: 3-0
Sociology of Law
The interrelationships of law and other social institutions, socio-economic origins and class interests of legal functionsaries, and law as social conflict are analyzed in Canadian and cross-cultural contexts.

SOCI 402  Units: 1.5  Hours: 3-0  Formerly: part of 300
Current Issues in Sociological Theory
Detailed study of particular recent developments or ongoing issues in sociological theory. Topics may vary from year to year to include particular theoretical orientations or issues in the discipline.
Notes: - Credit will be granted for only one of 402, 300.
- Students should consult with the department well in advance of registration to determine specific content.
Pre- or corequisites: 210 or 308

SOCI 404  Units: 1.5  Hours: 3-0
The Individual in a Social World
Current issues in sociological social psychology, involving detailed study of theories, methods, and findings on such topics as justice and social behaviour, class consciousness, social dilemmas, and emotion. Topics may vary from year to year; students should consult the instructor or departmental handbook about the content of the course.
Notes: - May not be repeated for credit.
- Students are strongly encouraged to take 304 before registering in this course.

SOCI 412  Units: 1.5  Hours: 3-0  Formerly: part of 300, 302
Sociological Explanations
Nature of explanations in sociological theory, combining an evaluation of different conceptions of the nature of science with an examination of important sociological theorists and frameworks.
Note: Credit will be granted for only one of 412, 300, 302.
Pre- or corequisites: 210 or 308

SOCI 418  Units: 1.5  Hours: 3-0
Social Change
An inquiry into the social structures, cultural practices, and political economic transitions associated with social change. Topics may vary but can include: globalization, modernity and postmodernity, the rise of post-industrial society and the dynamics of reform and revolution.

SOCI 419  Units: 1.5  Hours: 3-0  Formerly: Also ANTH 419
Modernization and Development
An examination of selected theories and research on development, underdevelopment, and dependence in
the modern world; examples will be taken from various parts of the world, including Canada.

Note: Not open to students with credit in ANTH 419 prior to the 2005-6 Winter Session.

**SOC 443** Units: 1.5 Hours: 3-0
Formerly: 342; 340
Population Problems and Policies
A review of contemporary population trends, their effects on human well-being, and social policy responses. Topics include: population growth, sustainable development, and the environment; population aging; marriage, cohabitation and divorce; new reproductive technology; population and gender; immigration; urbanization and human crowding.

Note: Credit will be granted for only one of 443, 340, 342

**SOC 445** Units: 1.5 Hours: 3-0
Sociology of Health and Illness
Seminar review of the field of sociology of health and illness, with a focus on the complex relationship between social factors (e.g., gender, race, ethnicity, aging, etc.) and the level of health found among different social groups. Begins with the origins of scientific medicine, and then analyzes disease and illness in present-day Canadian and other societies. Examines the role of physicians and other health care providers, and discusses issues shaping health care systems.

**SOC 450** Units: 1.5 Hours: 3-0
Sociology and Social Justice
An examination of sociology's relationship with social control, social reform and social activism, beginning with Comte and including various strands of critical and applied sociology. Much of the course focuses on recent developments and debates on sociology and social policy, sociology and social movements, and "public sociology." The course serves as a capstone for students pursuing the Social Justice and Social Change concentration, enabling them to integrate lessons they have learned from previous work.

**SOC 465** Units: 1.5 Hours: 3-0
Environmental Sociology
Exploration of how social relationships structure human interaction with the natural environment. May include the following: race, class and gender in environmental analysis; associations and interests located in current conceptualizations of environmental issues and solutions; institutional and non-institutional agency in environmental problems and responses.

**SOC 472** Units: 1.5 Hours: 3-1
Advanced Statistical Methods in Sociology
An introduction to linear statistical models and related methods with applications to sociological research. Computer-assisted analysis of sociological data.

Prerequisites: 371B or 471

**SOC 481** Units: 1.5 Hours: 3-0
Feminist Theory
Introduction to historical and contemporary trends in feminist theory which traces the development of individual theoretical perspectives and explores the ways in which these trends overlap and interact.

Prerequisites: 210 or 308 or WS 301

**SOC 488** Units: 1.5 Hours: 3-0
Sociology of Death and Dying
Sociological approaches to death and dying. Topics may include: demographic patterns of mortality; various definitions of death; dying in institutional and familial contexts; funerals and memorials; grief and mourning; legal, economic, and political aspects of death; euthanasia and suicide; murder, terrorism, war and disasters.

Note: Students are strongly encouraged to take 385 before registering in this course.

**SOC 490 Units: 1.0-3.0 Direct Studies**
This course may be submitted for an elective course in Sociology in the Fourth Year of the Honours Program with the permission of the department.

**SOC 499** Units: 3.0
Honours Seminar and Graduating Essay
Honours students are permitted to audit this seminar in the Third Year and are required to take the seminar in credit for the Fourth Year.

**SOCW** Social Work
School of Social Work
Faculty of Human and Social Development

**SOCW 200A** Units: 1.5 Hours: 3-0
An Introduction to Social Work Practice
This course will introduce students to the practice of social work, beginning with a critical examination of the ethics, values and historical development of the profession. Students will become familiar with several critical social theories that inform anti-oppressive social work practice. The relationship between private, public and public health policies 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 to 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.

Notes: - Credit will be granted for only one of 300, 323.
- Distance Education only.

**SOCW 301** Units: 1.5 Hours: 3-0
Research For Social Change
Grounded in critical theory, this course is premised on an understanding of knowledge as being socially constructed. Students will see themselves as active producers of knowledge and critical consumers of research. Students will develop competencies to design, implement, support and act upon research for social change, through a variety of methods.

Pre- or corequisites: SOCW 300 or 323

**SOCW 304** Units: 3.0
Social Work Practicum
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.

**SOCW 305** Units: 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 justice. Critical Social Theory and self-reflection form the basis by which students' ability to practise in an anti-oppressive way will be strengthened.

Note: Credit will be granted for only one of 323, 300.

**SOCW 318** Units: 3.0 Hours: 3-0
Research Strategies for Social Work Practice
This course explores critical, Indigenous and anti-oppressive strategies for social work 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 statistics.

Note: Not usually offered in summer session.

Pre- or corequisites: SOCW 300 or 323

**SOCW 323** Units: 4.5, formerly 6.0
Anti-Oppressive Social Work Knowledge and Practice
This course will provide students with an opportunity to develop frameworks that enable them to understand and engage in social work praxis (the relationship between ideology, knowledge and skills). This course will address marginalization, structural inequalities and social justice. Critical Social Theory and self-reflection form the basis by which students' ability to practice in an anti-oppressive way will be strengthened.

Note: Credit will be granted for only one of 323, 300.

**SOCW 350A** Units: 1.5 Hours: 1.5-1.5
Law and Social Services
This course provides theoretical 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 justice. Critical Social Theory and self-reflection form the basis by which students' ability to practise in an anti-oppressive way will be strengthened.

Note: Credit will be granted for only one of 350A, 350, CYC 350A. Open to third and fourth year HSU students with instructor's permission. Enrollment may be limited.

**SOCW 350B** Units: 1.5 Hours: 3-0
Legal Skills for Social Service Professionals
A skills-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, advo-
SOCW 451 Units: 1.5  Hours: 3-0
Indigenous Policy Issues in Social Work
This course builds on the structural theories and perspectives of social work practice introduced in SOCW 354. The focus will be on in-depth exploration and critical analysis of past and present policies of Canadian governments that affect the lives of Indigenous peoples. Contemporary responses and initiatives of Indigenous peoples through their own policies and practices will also be discussed.
Pre- or corequisites: SOCW 300 or 323.

SOCW 452 Units: 1.5  Hours: 3-0
Teaching and Learning for Social Change
What does it mean to think of social workers as educators for social justice? In this course students will develop a conceptual and experiential understanding of education, teaching and learning. Knowledge and power will be explored from multiple perspectives, including critical, Indigenous, and anti-oppressive perspectives. Opportunities for hands-on application will be an integral part of the course.
Pre- or corequisites: SOCW 300 or 323 or by permission of the instructor.

SOCW 460 Units: 1.5 or 3.0  Hours: 3-0
Special Topics in Social Work and Social Welfare
This is a variable content course that will deal with special issues in social welfare and approaches to social work practice. Restricted to students in the third or fourth year of study. May be taken more than once for credit to a maximum of three units.
Note: Offered as resources permit.
Pre- or corequisites: SOCW 300 or 323.

SOCW 465 Units: 1.5  Hours: 3.0
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.
Note: Credit will be granted for only one of SOCW 465, HSD 465.
Prerequisites: SOCW 200A and SOCW 200B.

SOCW 469 Units: 1.5  Hours: 3-0
Introduction to Disability Studies
A critical analysis of theory, policy and practice in the area of disability, focusing on issues affecting children, youth and adults with disabilities. Examination of current issues in human rights, ethics and attitudes toward disability, highlighting the skills and knowledge required for anti-ableist practice. Examination of approaches to the planning and delivery of services, emphasizing those that facilitate consumer choice and decision making.
Note: Credit will be granted for only one of SOCW 469, HSD 469.
Prerequisites: SOCW 200A and SOCW 200B.

SOCW 471 Units: 1.5  Hours: 3-0
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 addictions 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 208B, or permission of the instructor.

**SOCW 472 Units: 1.5 Hours: 3-0**

**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 Hours: 3-0**

**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 475 Units: 1.5 Hours: 3-0**

**Child Welfare Practice**

This course will provide students with an opportunity to explore all aspects of child welfare practice with a particular focus on balancing the issues of power and authority with helping approaches, identifying and resolving ethical dilemmas, and developing community-based approaches to serving families and children. Students will explore their own conceptual and philosophical orientation to child welfare practice.

**Prerequisites:** SOCW 300 or 323

**SOCW 476 Units: 1.5 Hours: 3-0**

**Family and Child Welfare Policy**

Critiques of family and child welfare policy and practice such as the feminist and 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 Hours: 3-0**

**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.

**Prerequisites:** SOCW 491

**SOCW 491 Units: 1.5 Hours: 3-0**

**Integration of Indigenous Approaches to Healing and Helping**

Students will continue to explore traditional and contemporary approaches to helping and healing in their communities that they began in 391. Indigenous elders, political leaders and human service workers will again play a central role in this course. Students will also be challenged to critically and holistically integrate these approaches into an examination, articulation and development of their own ethical perspectives.

**Note:** Limited to Indigenous students of North America or with permission of the Director.

**Prerequisites:** SOCW 391.

**Pre- or corequisites:** SOCW 300 or 323.

**SOCW 492 Units: 1.5 Hours: 3-0**

**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 394.

**Pre- or corequisites:** SOCW 300 or 323.

**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**

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.

**SPAN 100B Units: 1.5**

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 204A Units: 1.5**

Formerly: first half of 250

**Review of Grammar and Conversation I**

Intensive review of grammatical concepts and structures presented 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 250A, 249, 250. Students who intend to do Major or Honours work in Hispanic Studies should take this course in the second year; may also be taken as an elective.

**Prerequisites:** 100A and 100B; or 149; or Spanish 12, or permission of the department.

**SPAN 205B Units: 1.5**

Formerly: second half of 250

**Review of Grammar and Conversation II**

A continuation of 250A. Review of grammatical concepts and structures introduced in 100A and 100B as well as on the expansion and consolidation of skills acquired in 250A. Readings may be taken from significant Spanish and Spanish American authors. One hour a week will be devoted to conversation.

**Note:** Credit will be granted for only one of 250B, 249, 250. Students who intend to do Major or Honours work in Hispanic Studies should take this course in the second year. May also be taken as an elective.

**Prerequisites:** 250A.

**SPAN 255 Units: 1.5**

**Communicating in Spanish**

This optional companion course to 250A will focus on reading and speaking Spanish. Short literary and journalistic texts will be used for oral practice to develop reading skills, and also for brief written assignments and film and media reports.

**Note:** Must be taken in conjunction with 250A.

**Prerequisites:** 100A and 100B, or Spanish 12, or permission of the department.

**SPAN 260 Units: 1.5, formerly 3.0**

**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 265 Units: 1.5**

**Hours: 3-0**

**Introduction to Hispanic Literature**

 Taken in conjunction with 2640 as part of the Year Abroad Program. Includes a study of selections from major authors of Spanish America and Spain in the
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| **SPAN 280**  
Units: 4.5, formerly 6.0  
Hours: 6-0  
**Spanish Immersion**  
Taken in conjunction with 250A/B and/or 350A/B as part of the Year Abroad Program. Combines conversation with an introduction to the culture of Latin America.  
Note: Open to students with credit in 307.  
Prerequisites: 100A and 100B, or permission of the department. |
| **SPAN 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.  
Note: Credit will be granted for only one of 307, 280. Not open to students registered in or with credit in 280.  
Pre- or corequisites: 350A if 307 course work is done in Spanish; second-year standing if 307 course work is done in English. |
| **SPAN 340**  
Units: 3.0  
Hours: 6-0  
**Spanish Immersion Literature**  
This course, to be taken in conjunction with 350A/B, is the second part of the Year Abroad Program, and combines conversation with an introduction to the culture and literature of Spain and Latin America.  
Prerequisites: 280 |
| **SPAN 350A**  
Units: 1.5  
Hours: 3-0  
Formerly: first half of 350  
**Advanced Composition, Translation and Stylistics: I**  
Advancement of the student’s communication skills. Emphasis on the mastery of Spanish grammar and syntax through translation, composition, and readings.  
Note: Credit will be granted for only one of 350A, 350.  
Prerequisites: 250A and 250B, with a minimum average of B-, or advanced placement by the department.  
Pre- or corequisites: 350A if 306 course work is done in Spanish; second-year standing if 306 course work is done in English. |
| **SPAN 350B**  
Units: 1.5  
Hours: 3-0  
Formerly: second half of 350  
**Advanced Composition, Translation and Stylistics: II**  
A continuation of 350A, with continued emphasis on the mastery of Spanish grammar and syntax through translation, composition, and readings.  
Note: Credit will be granted for only one of 350B, 350.  
Prerequisites: 350A or permission of the department. |
| **SPAN 370**  
Units: 1.5  
Hours: 3-0  
**Survey of Spanish Literature from Origins to 1700**  
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 473B Units: 1.5 Hours: 3-0
Formerly: 473
Poetry of the Golden Age
Study of representative authors, themes and genres. Authors may include Garcilaso de la Vega, Santa Teresa, Fray Luis de León, San Juan de la Cruz, Góngora, and Quevedo.
Note: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 385, 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.

SPAN 473D Units: 1.5 Hours: 3-0
Formerly: 473
Selected works of Unamuno, Baroja, “Azorín,” and 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, 385, 380, 385 if 475 given in Spanish, second-year standing if 475 given in English.

SPAN 476A Units: 1.5 Hours: 3-0
Spanish Literature of the 19th Century
The development of the Romantic and Realist movements in Spanish drama, poetry and novel of the last century. Selected works of major authors such as Bécquer, Pardo Bazán, and Galdós will be studied in the context of the social and ideological climate of the period.
Pre- or corequisites: One of 370, 385, 380, 385.

SPAN 476B Units: 1.5 Hours: 3-0
Landscape of Desire: Visions of Self and Country
Heroics, love, and death in Renaissance and Golden Age Spain. This study of poetry as the mirror of culture will focus on the major poets. Special reference will be made to poets who also practised another art, profession, or belonged to the Church.
Pre- or corequisites: One of 370, 385, 380, 385 if 475 given in Spanish, second-year standing if 475 given in English.

SPAN 476C Units: 1.5 Hours: 3-0
Literature of Renewal: Prose and Poetry of Spanish Fin De Siglo
Selected works of Unamuno, Baroja, “Azorín,” and the poet Antonio Machado will be studied in the context of the social and intellectual crisis precipitated by the events of 1898.
Pre- or corequisites: One of 370, 385, 380, 385.

SPAN 476D 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, 385, 380, 385.

SPAN 478A Units: 1.5 Hours: 3-0
Formerly: 412
20th Century Drama and Poetry
A study of the drama and poetry of modern Spain, covering the works of such writers as Juan Ramón Jiménez, García Lorca, Pedro Salinas and Alfonso Sastre.
Note: Credit will be granted for only one of 478B, 412.
Pre- or corequisites: One of 370, 385, 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 the national and/or regional context.
Notes: - Credit will be granted for only one of 484B, 481, PORT 481 without permission of the department.
- May be repeated for credit in different topics.
Prerequisites: Second-year standing.

SPAN 484C Units: 1.5 Hours: 3-0
Colonial Spanish America 1492-1767
Spanish America from the Conquest to the Bourbon reforms. Special focus on territorial expansion, indigenous resistance and accommodation, the establishment of the viceroyalties, social diversity, racial intermingling, racism, and cultural hybridity.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 484D Units: 1.5 Hours: 3-0
From Colony to Republic: Spanish America, 1767-1867
Spanish America from the expulsion of the Jesuits to the reestablishment of a republic in Mexico. Special attention to the causes of independence as well as the struggle between liberals and conservatives in the newly formed nations.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 485A Units: 1.5 Hours: 3-1
Spanish Film
A selection of major accomplishments in Spanish-language film, from the experimental cinema of Bunuel to post-Franco director Almodóvar. May be given in Spanish or English.
Notes: - Credit will be granted for only one of 490B.
Pre-requisites: One of 370, 375, 380, 385.

SPAN 485B Units: 1.5 Hours: 3-1
Latin American Film
A selection of major accomplishments in Spanish-language film in Latin America. Course content will vary to include recent trends in Mexico, Argentina, Cuba and other Latin American countries. May be given in Spanish or English.
Notes: - Credit will be granted for only one of 490B.
Pre-requisites: One of 370, 375, 380, 385.

SPAN 486 Units: 1.5 Hours: 3-0
Special Topics in Hispanic American Literature
Variable content course which will focus attention on themes, literary and cultural trends, countries or authors.
Notes: - Credit will be granted for only one of 490A.
Pre-requisites: One of 370, 375, 380, 385.

SPAN 490B Units: 1.5 Hours: 3-0
Translation Theory and Practice
A review of basic linguistic and cultural patterns and the problems of translation; emphasis will be laid on the acquisition of practical experience in translating materials drawn from a large variety of fields.
Notes: - Credit will be granted for only one of 490B, 426.
Prerequisites: 350B.

SPAN 490C Units: 1.5 Hours: 3-0
Advanced Written Spanish
Practice in composition, translation and stylistic analysis. Attention will be given to both the formal and informal use of language.
Prerequisites: 350B.

SPAN 495 Units: 1.5 or 3.0 Formerly: 430
Directed Reading Course
A specified reading project for fourth-year students to be determined by the student, the instructor, and the Chair of the department; written assignments will be required.
Note: Credit will be granted for only one of 495, 430. May be taken more than once in different topics. For Honours and Major students.

SPAN 499 Units: 1.5 Honours Graduating Essay
Honours students will write a graduating essay of 7,500 - 10,000 words, in Spanish and on an approved topic, under the direction of a member of the department. The essay must conform to acceptable standards of style and format, and be submitted before the end of Second Term classes.

STAT
Statistics Department of Mathematics and Statistics Faculty of Science

STAT 250 Units: 1.5 Hours: 3-0
Statistics for Business
Descriptive statistics; graphics; modelling and statistical inference for comparing samples from two populations; simple and multiple regression, time series models and contingency tables; introduction to designed experiments. Examples will be taken from business applications. Students will be expected to analyze data using computing facilities.
Notes: - Credit will be granted for only one of 252, 250, 254, 255, 260. See Credit Limit page 32.
- Intended for Business students.
Prerequisites: MATH 151 or 122.

STAT 251 Units: 1.5 Hours: 3-0
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, Poison, uniform, normal, gamma and exponential distributions; discrete and continuous joint distributions, independent random variables, expectation of functions of random vectors, covariance, random samples and sampling distributions, central limit theorem; point and interval estimation; hypothesis testing; linear regression and correlation.
Notes: - Credit will be granted for only one of 254, 250, 252, 255, 260. See Credit Limit, page 32.
- Intended primarily for students in Biochemistry, Microbiology, Biology, Environmental Studies combined with a Science discipline, Kinesiology, and Combined Computer Science and Health Information Science.
Prerequisites: 1.5 units of MATH courses numbered 100 or higher.

STAT 256 Units: 1.5 Hours: 3-1-0
Statistics for Life Sciences: I
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.

STAT 260 Units: 1.5 Hours: 3-0
Introduction to Probability and Statistics: I
Descriptive statistics; elementary probability theory; random variables, discrete and continuous probability distributions, expectation, joint, marginal and conditional distributions; linear functions of random variables; random sampling and sampling distributions; point and interval estimation; classical hypothesis testing and significance testing. The mathematical foundations of statistical inference will be introduced and illustrated with examples from a variety of disciplines.
Note: Credit will be granted for only one of 260, 250, 252, 254, 255. See Credit Limit page 32.
Pre- or corequisites: MATH 101 or 103 or 140.

STAT 261 Units: 1.5 Hours: 3-1-0
Introduction to Probability and Statistics: II
Estimation and hypothesis testing; normal sampling distribution theory; analysis of variance and the design of experiments; regression and correlation; analysis of categorical data; distribution-free procedures. The mathematical foundations of statistical inference will be introduced and illustrated with examples from a variety of disciplines.
Note: Credit will be granted for only one of 261, 251, 256.

STAT 350 Units: 1.5 Hours: 3-0
Mathematical Statistics: I
Discrete and continuous probability models, random variables and their distributions, mathematical expectation, moment generating functions, sums of random variables, limit theory, and sampling distributions. Emphasis on the probability theory needed for 450.
Prerequisites: MATH 200 or 205 and one of 251, 256, 261.

STAT 353 Units: 1.5 Hours: 3-0
Applied Regression Analysis
An outline of linear regression theory with applications.
Prerequisites: One of 261 or 265, and one of MATH 233A or MATH 133, or permission of the instructor.

STAT 354 Units: 1.5 Hours: 3-0
Sampling Techniques
Principal steps in planning and conducting a sample survey. Sampling techniques including stratification, systematic sampling and multistage sampling. Practi- cal 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
Formerly: 351
Mathematical Statistics: II
Brief introduction to decision theory, point and interval estimation, hypothesis testing; regression and correlation, analysis of variance. Emphasis on the mathematics of statistics.
Note: Credit will be granted for only one of 450, 351.
Prerequisites: 350.

STAT 453 Units: 1.5 Hours: 3-0
The Design and Analysis of Experiments
An introduction to the principles of experimental design and the techniques of analysis of variance. A discussion of experimental error, randomization, replication, and local control. Analysis of variance is developed for single factor and multifactor experiments. The use of concomitant observations. Multiple comparisons and orthogonal contrasts.
Prerequisites: One of 251, 256, 261; and 353 or some experience or familiarity with experimentation.

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.
Note: Students with credit for 454 require permission of the department.
Prerequisites: 350, 353; or 350 and ECON 386 and a declared program in the Financial Mathematics and Economics program.

STAT 459 Units: 1.5 Hours: 3-0
Survival Analysis
Analysis of time-to-failure data; censoring; survival, hazard rate and mean residual life functions; non-parametric estimation and comparisons of survival functions; covariates; parametric models; semi-parametric (Cox) regression model; time-dependent covariates.
Note: Students with credit for 454 require permission of the department.
Prerequisites: 350, 353 and 450 or permission of the instructor.

THEA 101 Units: 3.0 Hours: 3-0
An Introduction to Theatre
A practical and theoretical introduction to play analysis, to dramatic criticism, to theatrical form, and to the principles of stage production. Attendance at live performances is required.
Note: Credit will be granted for only one of 101, 100. Not open to Theatre Majors.

THEA 102 Units: 1.5 Hours: 3-0
Theatre Appreciation: From Page to Stage
A course designed to enhance understanding and appreciation of today’s theatre. Assignments include watching plays on video and attendance at live theatre performances.
Note: Credit will be granted for only one of 102, 100. Not open to Theatre Majors.

THEA 105 Units: 3.0 Hours: 1-3
An Introduction to Stagecraft and Technical Practice
The intensive study and application of the principles of scenery and costume construction, stage lighting, and theatre organization and practice. Practical assignments will include the preparation and crewing of
### COURSE LISTINGS

**THEA 210**
**Units:** 1.5  
**Hours:** 3-0  
**Theatre From French Classicism to the End of the 19th Century**  
A survey of western theatre history from Corneille to the Victorians. Introduction to library research methods in theatre history.  
**Note:** Credit will be granted for only one of 210, 200.  
**Prerequisites:** 112 or permission of the department.  
**Corequisites:** 205.

**THEA 211**
**Units:** 1.5  
**Hours:** 3-0  
**Modern Theatre**  
A continuation of Theatre 210 from the late 19th century to the present day.  
**Note:** Credit will be granted for only one of 211, 200.  
**Prerequisites:** 210 or permission of the department.  
**Corequisites:** 205.

**THEA 218**
**Units:** 1.5  
**Hours:** 0-4.5-0  
**Acting: I (for Theatre Students Who Are Non-Acting Specialists)**  
Work in characterization and scene study designed for Theatre students who are pursuing programs other than the Acting Specialist Option.  
**Note:** Not open for credit to students with credit in 220 or 221. Enrollment limited.  
**Prerequisites:** 105, 112, 120 and permission of the department.  
**Corequisites:** 205 and 210.

**THEA 219**
**Units:** 1.5  
**Hours:** 0-4.5  
**Acting: II (for Theatre Students Who Are Non-Acting Specialists)**  
A continuation of Theatre 218. Work in characterization and scene study designed for Theatre students who are pursuing programs other than the Acting Specialist Option.  
**Note:** Not open for credit to students with credit in 220 or 221. Enrollment limited.  
**Prerequisites:** 218; permission of the department.  
**Corequisites:** 205 and 210.

**THEA 221**
**Units:** 1.5  
**Hours:** 0-4.5  
**Acting: I**  
Work in characterization and scene study.  
**Note:** Credit will be granted for only one of 221, 220. Enrollment limited.  
**Prerequisites:** 105, 112, 120; audition and/or interview; permission of the department.  
**Corequisites:** 205, 210, 223 or 225.

**THEA 222**
**Units:** 1.5  
**Hours:** 0-4.5-0  
**Acting: II**  
A continuation of Theatre 221. Work in characterization and scene study.  
**Note:** Credit will be granted for only one of 222, 220. Enrollment limited.  
**Prerequisites:** 221; audition and/or interview; permission of the department.  
**Corequisites:** 205, 211, 223 or 225.

**THEA 223**
**Units:** 1.5  
**Hours:** 0-4.5-0  
**Introduction to Voice**  
Basic development of the voice to prepare for speech on the stage.  
**Note:** Enrollment limited.  
**Prerequisites:** 105, 112, 120; audition and/or interview; permission of the department.  
**Corequisites:** 205, 210 or 211, 221 or 222.

**THEA 225**
**Units:** 1.5  
**Hours:** 0-4.5-0  
**Introduction to Stage Movement**  
Development of a basic movement vocabulary for the stage.  
**Note:** Credit will be granted for only one of 225, 260. Enrollment limited.

**THEA 229**
**Units:** 1.5  
**Theatre Performance**  
Supervised performance in Department productions.  
**Note:** Credit will be granted for no more than 4.5 units of any combination of 229, 329, 429. Of those 4.5 units, only 1.5 units of 229 will normally be given.  
**Prerequisites:** Permission of the department.

**THEA 235**
**Units:** 3.0  
**Hours:** 3-0  
**Introduction to Applied Theatre**  
A broad interpretative 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  
**Introduction to Design: I**  
Developing a graphic vocabulary in the free hand idiom for the Theatre Designer.  
**Note:** Credit will be granted for only one of 251, 240.  
**Prerequisites:** Permission of the department.

**THEA 252**
**Units:** 1.5  
**Hours:** 1-3  
**Introduction to Design: II**  
Development of drawing skills in the mechanical idiom. Drafting of ground plans, sections, elevations, orthographics, and isometrics. Mechanical perspective drawing will be explored.  
**Note:** Credit will be granted for only one of 252, 240.  
**Prerequisites:** Permission of the department.

**THEA 261**
**Units:** 1.5  
**Hours:** 4-0  
**Introduction to Costume Design**  
An introduction to the design principles, drawing techniques, and materials of costume design for the stage and other media.  
**Prerequisites:** Permission of the department.

**THEA 299**
**Units:** 1.5 or 3.0  
**Theatre Laboratory**  
Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.  
**Note:** May be taken more than once for credit 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 to a maximum of 6.0 units of credit.  
**Prerequisites:** 205 and permission of the department.

**THEA 309A**
**Units:** 1.5  
**Hours:** 4-0  
**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, 309.

**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.

**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.  
**Notes:**  
- Students may take this course for credit more than once to a maximum of 4.5 units of credit.  
- Students in all Faculties other than Fine Arts may take this course only once.  
**Prerequisites:** 211 or permission of 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.  
**Notes:**  
- Students may take this course for credit more than once to a maximum of 4.5 units of credit.  
- Students in Humanities and Social Sciences may take this course only once.  
**Prerequisites:** 211 or permission of 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.

**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.  
**Note:** 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  
**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 to a maximum of 4.5 credits.  
**Prerequisites:** 211 or permission of department.

**THEA 315**
**Units:** 1.5  
**Hours:** 3-0  
**Studies in Medieval Theatre**  
Theatre of the Middle Ages.  
**Note:** Credit will be granted for only one of 315 or 307. 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 to a maximum of 4.5 units of credit.  
**Prerequisites:** 211 or permission of the department.
THEA 316 Units: 1.5 Hours: 3-0
Studies in Baroque, Rococo and Neoclassical Theatre
Theatre in the 17th and 18th centuries.
Note: Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units of credit.
Prerequisites: 211 or permission of the department.

THEA 317 Units: 1.5 Hours: 3-0
Studies in 19th Century Theatre
Theatre in the 19th century.
Note: Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units of credit.
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 to a maximum of 4.5 units of credit.
Prerequisites: 211 or permission of the department.

THEA 319 Units: 1.5 Hours: 3-0
Studies in Renaissance Theatre
The Renaissance in the theatre of Italy, France and England.
Note: Credit will be granted for only one of 319, 308. Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units of credit.
Prerequisites: 211 or permission of the department.

THEA 321 Units: 1.5 Hours: 0-4.5
Acting: III
The study of acting as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 321, 320.
Prerequisites: 205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.
Corequisites: 323 and 325.

THEA 322 Units: 1.5 Hours: 0-4.5
Acting: IV
A continuation of 321. The study of acting as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 321, 320.
Prerequisites: 321; audition and/or interview; permission of the department.
Corequisites: 324 and 326.

THEA 323 Units: 1.5 Hours: 0-4.5
Speech in the Theatre: I
Work in voice and speech as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 323, 350.
Prerequisites: 205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.
Corequisites: 321 and 325.

THEA 324 Units: 1.5 Hours: 0-4.5
Speech in the Theatre: II
A continuation of 323. Work in voice and speech as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 324, 350.
Prerequisites: 323; audition and/or interview; permission of the department.
Corequisites: 322 and 326.

THEA 325 Units: 1.5 Hours: 0-4.5-0
Stage Movement: I
Intermediate stage movement.
Note: Credit will be granted for only one of 325, 360.
Prerequisites: 205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.
Corequisites: 321 and 323.

THEA 326 Units: 1.5 Hours: 0-4.5-0
Stage Movement: II
A continuation of 325. Intermediate stage movement.
Note: Credit will be granted for only one of 326, 360.
Prerequisites: 325; audition and/or interview; permission of the department.
Corequisites: 322 and 324.

THEA 327 Units: 1.5 Hours: 3-0
The Art of Movement
A practical course designed for non-Acting Majors who wish to learn about the art of movement. 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 Hours: 1-2
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 to a maximum of 3.0 units of credit.
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 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.

THEA 348 Units: 1.5 Hours: 3-0
Lighting For the Theatre: I
Lighting design; its theory and practice.
Note: Credit will be granted for only one of 348, 342.
Prerequisites: 105 and permission of the department.

THEA 349 Units: 1.5 Hours: 3-0
Lighting For the Theatre: II
A continuation of 348. Lighting design; its theory and practice.
Note: Credit will be granted for only one of 349, 342.
Prerequisites: 348 and permission of the department.

THEA 351 Units: 1.5 Hours: 2-2
Introduction to Scenic Design
Fundamentals of three dimensional design communication and aesthetics. Model making and other graphic techniques for planning, analyzing and describing plastic space for the stage.
Note: Credit will be granted for only one of 351, 340.
Prerequisites: 205, 210, 211, 251, 252 and permission of the department.

THEA 352 Units: 1.5 Hours: 0-4
Scenic Design
Paper projects in the design of stage settings.
Note: Credit will be granted for only one of 352, 340.
Prerequisites: 351 and permission of the department.

THEA 353 Units: 1.5 or 3.0 Hours: 0-3
Assisting the Scenic Designer
Assisting the scenic designer of a mainstage production.
Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 351, 352 and permission of the department.

THEA 354 Units: 1.5 or 3.0 Hours: 0-3
Assisting the Lighting Designer
Assisting the lighting designer of a mainstage production.
Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 348, 349 and permission of the department.

THEA 355 Units: 1.5 Hours: 3-0
Design Aesthetics: I
An introduction to the language of creativity and visual expression. A study of elements of design and how we apply them in the theatre. The class will consist of theoretical discussion, historical analysis and practical design assignments.
Note: This course is not intended for students choosing the Specialist Options in Design or of Production and Management.
Prerequisites: Permission of the department.

THEA 356 Units: 1.5 Hours: 3-0
Design Aesthetics: II
Further explorations in the use, creative interpretation, and communication of stage design through theory and practical projects.
Prerequisites: 355 and permission of the department.

THEA 361 Units: 1.5 Hours: 4-0
Costume Design
The further study and development of the art, craft and practice needed in the design of costumes.
Prerequisites: 261 and permission of the department.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units:</th>
<th>Hours:</th>
<th>Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 362</td>
<td>1.5</td>
<td>3-0</td>
<td>Costume History: I</td>
<td>A survey of costume and fashion from ancient times through the 17th century. Historical analysis of garments with emphasis on cultural, artistic and psychological aspects.</td>
</tr>
<tr>
<td>THEA 363</td>
<td>1.5</td>
<td>3-0</td>
<td>Costume History: II</td>
<td>A survey of costume and fashion in the 18th, 19th and 20th centuries. Historical analysis and a detailed study of how clothing/costume signals and defines culture.</td>
</tr>
</tbody>
</table>
| THEA 365    | 1.5 or 3.0 | 4-0 | Assisting the Costume Designer | Assisting the costume designer of a major production. 
   **Note:** May be taken more than once for credit to a maximum of 6 units. 
   **Pre- or corequisites:** 361 and permission of the department. |
| THEA 370    | 1.5    | 0-3    | Musical Theatre Workshop: Singing | Singing for the musical stage. Included will be work in vocal technique, presentation, and interpretation. The course will examine both solo and choral work. 
   **Note:** Enrollment limited to 25 students per section. 
   **Prerequisites:** Permission of the department. |
| THEA 390    | 1.5 or 3.0 | 3-0 | Directed Studies in Theatre History | May be taken more than once for credit in different topics to a maximum of 6 units. Students in Humanities, Social Sciences and Science may take elective credit only one of THEA 390, 391, 392, 393, 394. 
   **Prerequisites:** 210, 211; permission of the department. |
| THEA 391    | 1.5 or 3.0 | 3-0 | Directed Studies in the History of Drama | May be taken more than once for credit in different topics to a maximum of 6 units. Students in Humanities, Social Sciences and Science may take elective credit only one of THEA 390, 391, 392, 393, 394. 
   **Prerequisites:** 210, 211; permission of the department. |
| THEA 392    | 1.5 or 3.0 | 3-0 | Directed Studies in Theories of Acting | May be taken more than once for credit in different topics to a maximum of 6 units. Students in Humanities, Social Sciences and Science may take elective credit only one of THEA 390, 391, 392, 393, 394. 
   **Prerequisites:** 210, 211, 332 and permission of the department. |
| THEA 393    | 1.5 or 3.0 | 3-0 | Directed Studies in Theories of Directing | May be taken more than once in different topics to a maximum of 6 units. Students in Humanities, Social Sciences and Science may take elective credit only one of THEA 390, 391, 392, 393, 394. 
   **Prerequisites:** 210, 211, 332 and permission of the department. |
| THEA 394    | 1.5 or 3.0 | 3-0 | Directed Studies in Applied Theatre | Supervised research in Applied Theatre culminating in the production of a specific project either written or practical. 
   **Note:** May be taken more than once for credit in different topics to a maximum of 6 units. Students in Humanities, Social Sciences and Science may take elective credit only one of THEA 390, 391, 392, 393, 394. 
   **Prerequisites:** Permission of the department. |
| THEA 395    | 1.5 or 3.0 | 3-0 | Directed Studies in Production and/or Management | May be taken more than once for credit in different topics to a maximum of 6 units. 
   **Prerequisites:** 205 and permission of the department. |
| THEA 396    | 1.5 or 3.0 | 3-0 | Directed Studies in Scene Design | May be taken more than once for credit in different topics to a maximum of 6 units. 
   **Prerequisites:** 392 and permission of the department. |
| THEA 397    | 1.5 or 3.0 | 3-0 | Directed Studies in Costume Design | May be taken more than once for credit in different topics to a maximum of 6 units. 
   **Prerequisites:** 362, 363, 364 and permission of the department. |
| THEA 398    | 1.5 or 3.0 | 3-0 | Directed Studies in Lighting Design | May be taken more than once for credit in different topics to a maximum of 6 units. 
   **Prerequisites:** 348, 349 and permission of the department. |
| THEA 399    | 1.5 or 3.0 | 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 405    | 1.5 or 3.0 | 4.5-0 | 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 to a maximum of 6.0 units of credit. 
   **Prerequisites:** 305 and permission of the department. |
| THEA 410    | 1.5    | 3-0    | Seminar in Theatre History: III | Intensive study of a specific period or genre. 
   **Notes:** Students may take this course for credit more than once to a maximum of 4.5 units of credit. 
   **Prerequisites:** 421, 423, audition and/or interview; permission of the department. |
| THEA 411    | 1.5    | 3-0    | Seminar in Theatre History: IV | Intensive study of a specific period or genre. 
   **Notes:** Students may take this course for credit more than once to a maximum of 4.5 units of credit. 
   **Prerequisites:** 421, 423, audition and/or interview; permission of the department. |
| THEA 421    | 1.5    | 0-4.5  | Acting: V | Advanced work in acting. 
   **Note:** Credit will be granted for only one of 421, 420. 
   **Prerequisites:** 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the department. 
   **Corequisites:** 423 and 425. |
| THEA 422    | 1.5    | 0-4.5  | Acting: VI | A continuation of 421. Advanced work in special challenges in acting. 
   **Note:** Credit will be granted for only one of 422, 420. 
   **Prerequisites:** 421; audition and/or interview; permission of the department. 
   **Corequisites:** 424 and 426. |
| THEA 423    | 1.5    | 0-4.5  | Speech in the Theatre: III | Advanced work in voice production and speech for the stage. 
   **Note:** Credit will be granted for only one of 423, 450. 
   **Prerequisites:** 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the department. 
   **Corequisites:** 423 and 425. |
| THEA 424    | 1.5    | 0-4.5  | Speech in the Theatre: IV | A continuation of 423. Advanced work in voice production and speech for the stage. 
   **Note:** Credit will be granted for only one of 424, 450. 
   **Prerequisites:** 423; audition and/or interview; permission of the department. 
   **Corequisites:** 424 and 426. |
| THEA 425    | 1.5    | 0-4.5-0| Stage Movement: III | Advanced techniques and improvisation in stage movement. 
   **Note:** Credit will be granted for only one of 425, 460. 
   **Prerequisites:** 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the department. 
   **Corequisites:** 421 and 423. |
| THEA 426    | 1.5    | 0-4.5-0| Stage Movement: IV | A continuation of 425. Advanced technique and improvisation in stage movement. 
   **Note:** Credit will be granted for only one of 426, 460. 
   **Prerequisites:** 425; audition and/or interview; permission of the department. 
   **Corequisites:** 422 and 424. |
| THEA 429    | 1.5    | 3-0    | 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 to a maximum of 3.0 units of credit. 
   **Prerequisites:** Permission of the department. 
   **Grading:** COM, N, or F. |
| THEA 431    | 1.5    | 3-0    | Directing: III | Advanced work in stage direction. 
   **Note:** Credit will be granted for only one of 431, 430. 
   **Prerequisites:** 332 and permission of the department. |
| THEA 432    | 1.5 or 3.0 | 3-0 | Directing: IV | A continuation of 431. 
   **Note:** Credit will be granted for only one of 432, 430. 
   **Prerequisites:** 431 and permission of the department. |

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**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 to a maximum of 4.5 units of credit.
THEA 435 Units: 1.5 or 3.0 Hours: 3-0
Applied Theatre: II
Advanced study of the theory and practice of Applied Theatre.
Prerequisites: 332, 335 and 355 or permission of the department.

THEA 453 Units: 1.5 or 3.0 Hours: 0-3
Scenic Design For Production
Design for Department productions.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 351, 352 and permission of the department.

THEA 454 Units: 1.5 or 3.0 Hours: 0-3
Lighting Design for Production
Design for Department productions.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 348, 349 and permission of the department.

THEA 455 Units: 1.5 or 3.0 Hours: 0-3
Scenic Design For Production
Design for Department productions.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 351, 352 and permission of the department.

THEA 456 Units: 1.5 or 3.0 Hours: 0-4
Scenic Design For Production Supervised design and production in the execution of costumes for theatre productions. Students will work with directors on design concepts, and carry out research. They will then prepare designs and see them through the construction process and onto the stage.
Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 360, 361, 362, 363, 364 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 100 Units: 3.0 Hours: 3-0
Introduction to Writing
Formerly: CW 100
An introduction to the theory, craft and business of writing. A study of writing in various genres and a study of films that show us their working methods and details of their lives. Students will meet guest authors who will read from their publications and discuss the writing process.
Note: This course is not a prerequisite for entry into any other writing course. Open to all students.

WRIT 102 Units: 3.0 Hours: 3-0
Introduction to Professional Non-Fiction
Formerly: WRIT 103, WRIT 104
This introductory course prepares students to enter the Department's 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, 103.
       - Students are reminded that this is a prerequisite course for the Professional Writing Minor in Journalism and Publishing.

WRIT 109 Units: 1.5 Hours: 3-0
The Writer's World in Books and Film
This lecture course, which is open to students in all faculties, explores a selection of authors through an analysis of their writing in various genres and a study of films that show us their working methods and details of their lives. Students will meet guest authors who will read from their publications and discuss the writing process.
Note: This course is not a prerequisite for entry into any other writing course. Open to all students.

WRIT 200 Units: 3.0 Hours: 3-0
The Theory and Practice of Literary Creation
A lecture course surveying the nature of the creative process.
Note: May be repeated once with different content and with permission of the Department.
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.
Note: Credit will be granted for only one of 201, CW 201. Class limit 15 students.
Prerequisites: A minimum of B in 100.

WRIT 202 Units: 3.0 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.
## COURSE LISTINGS

**WRIT 305**  
Units: 1.5  
Hours: 0-3  
Formerly: CW 305A/B  
Drama Workshop  
A workshop seminar in which the students are instructed and guided in the writing of drama for stage, radio, film and television.  
**Note:** May be repeated once. Class limit 15 students.  
**Prerequisites:** 203 or equivalent.

**WRIT 306**  
Units: 1.5  
Hours: 2-1  
Formerly: CW 306B, WRIT 306B  
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 307**  
Units: 1.5  
Hours: 3-0  
Formerly: CW 307  
Basic Forms and Techniques in Poetry  
A lecture course surveying the functions of specific poetic techniques in a representative group of poems. Aspects of poetics discussed will include prosody, sound patterns, diction and figurative language.  
**Note:** Credit will be granted for only one of 307, CW 307.  
**Prerequisites:** Second-year standing.

**WRIT 308**  
Units: 1.5  
Hours: 3-0  
Formerly: CW 308  
Advanced Forms and Techniques in Poetry  
A lecture course surveying formal structures in poetry in a representative group of poems. Topics discussed include poetic closure, the sonnet, sestina, villanelle and ghazal, and the influence of early twentieth-century poetic movements such as imagism on contemporary poetic forms.  
**Note:** Credit will be granted for only one of 308, CW 308.  
**Prerequisites:** Second-year standing.

**WRIT 309**  
Units: 1.5  
Hours: 3-0  
Formerly: CW 309  
Basic Forms and Techniques in Short Fiction  
A lecture course surveying the structural composition and the function of technique in a representative group of narrative prose works. Aspects of narrative discussed will include: theme, point of view, scene structure, role of narrator, metaphor, diction, plot and dialogue.  
**Note:** Credit will be granted for only one of 309, CW 309.  
**Prerequisites:** Second-year standing.

**WRIT 310**  
Units: 1.5  
Hours: 3-0  
Formerly: CW 310  
Basic Forms and Techniques in the Novel  
A lecture course surveying the structural composition and the function of techniques in a representative group of novels and novellas. Emphasis will be placed upon form and voice, as well as upon their relationship with such other elements of narrative as plot, character development, scene development and theme.  
**Note:** Credit will be granted for only one of 310, CW 310.  
**Prerequisites:** Second-year standing.

**WRIT 311**  
Units: 1.5  
Hours: 3-0  
Formerly: CW 311  
Structure in Stage Drama  
A lecture course surveying the structural characteristics of stage drama.  
**Note:** Credit will be granted for only one of 311, CW 311.

**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 313. 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  
Advanced Journalism  
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 6 Grade Point Value (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 toward a Major in Writing or toward a Professional Writing Minor, not both. Class limit 15 students.  
**Prerequisites:** 204; or with permission of the department.

**WRIT 320**  
Units: 1.5  
Hours: 3-0-1  
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 once with permission of the department.  
**Prerequisites:** Any of the second-year workshops: 201, 202, 203 or 204, although 203 is strongly recommended.

**WRIT 321**  
Units: 1.5  
Hours: 2-1  
Formerly: 317  
Applied Issues in Journalism  
Students will explore contemporary aspects and issues in journalism, including investigative reporting techniques, on-line editing strategies and ethical reporting.  
**Note:** Credit will be granted for only one of 321, 317 if 317 taken in 1998 or 1999 Winter only. Open only to Professional Writing and Harvey Southam Diploma students.  
**Prerequisites:** 3 units of 200-level Professional Writing courses.

**WRIT 329**  
Units: 1.5  
Hours: 3-0  
Contemporary 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  
Media and Culture  
A lecture course surveying theories and controversies in mass media and popular culture from a writer's perspective.  
**Note:** May be repeated once with different content and with permission of the Department.  
**Prerequisites:** Second-year standing.

**WRIT 335**  
Units: 1.5  
Hours: 3-0  
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  
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: 240  
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. Under the supervision of a full-time faculty member and with the approval of the Chair of the department for work which can not be completed as part of a regular course.
Note: Credit will be granted for only one of 391, CW 391. 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, documentary, 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
Advanced Poetry Workshop
A workshop in which the students are instructed in the writing of poetry.

Note: May be repeated once. Normally class size is limited.

Prerequisites: 3 units of 303 or equivalent.

WRIT 402 Units: 1.5 Hours: 0-3
Advanced Fiction Workshop
A workshop in which the students are instructed in the writing of fiction.

Note: May be repeated once. Normally class size is limited.

Prerequisites: 3 units of 304 or equivalent.

WRIT 403 Units: 1.5 Hours: 0-3
Advanced Drama Workshop
A workshop in which students are instructed in the writing for stage and screen.

Note: May be repeated once. Normally class size is limited.

Prerequisites: 3 units of 305 or equivalent.

WRIT 404 Units: 1.5 Hours: 0-3
Introduction to Photojournalism
This course introduces basic photography for newspapers and 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 students. Normally class size is limited.
- 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
Multi-Genre Workshop
A seminar and workshop concentrating on the prose poem, dramatic monologue, the personal essay and short-short fiction.

Prerequisites: 3 units from any 300-level workshop.

WRIT 406 Units: 1.5 Hours: 1-2
Writing for Children and Young Adults
This workshop/seminar course will familiarize students with writing for children and young adults.

Prerequisites: Third-year standing.

WRIT 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 with different content and 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 414 Units: 1.5 Hours: 0-3
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. Normally class size is limited.

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
Granted under special circumstances only.

Under the supervision of a full-time faculty member and with the approval of the Chair of the department for work which cannot be completed as part of a regular course.

Note: Credit will be granted for only one of 490, CW 490.

Prerequisites: 7.5 units of workshop credit, third or fourth-year standing, an A average in the area of specialization and permission of the department.

WS Women's Studies

Department of Women's Studies
Faculty of Humanities

WS 104 Units: 1.5 Hours: 3-0
Introduction to Women's Studies
Considers the way gender (i.e., our idea of what it is to be a “real” woman or man) is constructed across class, race/ethnicity, sexualities, (dis)ability, age and geographical location. Examines diverse spaces of human experience including popular culture, language and work. Also focuses on ways in which feminist activism has empowered individuals to fight for social justice.

Note: Not open to fourth-year students without permission of the department.

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 interdisciplinary feminist cultural and media studies. Although an introduction to reading popular culture, this course will work with feminist, anti-racist, anti-homophobia premises as well as with counter-ideological assumptions.

Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

WS 204 Units: 1.5 Hours: 3-0
Fast Feminisms: Toward a New Politics of Sexuality
Introduction to the themes, topics and debates in twentieth-century studies of gay, lesbian, bisexual, transgender and transsexual sexualities, Queer Theory and social constructionist methodologies.

Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

WS 205 Units: 1.5 Hours: 3-0
Women, Food and Culture
A feminist study of women and foodways - the beliefs and behaviours associated with the production, distribution, preparation and consumption of food. Topics may include: the symbolism and uses of food in particular cultural settings; connections between women and food in a globalized, North American food system; representations of gendered foodways in literature and film; health, food and disordered eating; the place of commodification 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 eco-
nomic re-structuring, poverty, militarization, human rights abuses, and the rise of rigid, masculinized ideas of national sovereignty.

**Note:** Credit will be granted for only one of 206, 312.

**Prerequisites:** One of 102, 103, 104, 110, or permission of the instructor.

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**WS 207**

**Units:** 1.5

**Hours:** 3-0

**Formerly:** 102

**Indigenous Women in Canada**

Examines the ways in which Indigenous women have experienced and resisted the process of colonization in the past and present.

**Note:** Credit will be granted for only one of 207, 102.

**Prerequisites:** One of 103, 104, 110, or permission of the instructor.

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**WS 219**

**Units:** 1.5

**Hours:** 3-0

**Topics in Women's Studies**

Variable content course on aspects of Women's Studies.

**Note:** May be taken more than once in different topics.

**Prerequisites:** One of 102, 103, 104, 110, or permission of the instructor.

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**WS 311**

**Units:** 1.5

**Hours:** 3-0

**Sex Work, Trafficking and Human Rights**

Within the context of the global economy, examines current debates about sex work as well as transnational migration and trafficking of women into various sites, including the sex industry. Two foci: class and the complexity of the global economy, race, class, gender and sexuality in the international division of labour, as well as policy and grassroots responses to these phenomena at the national and international levels.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor.

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**WS 314**

**Units:** 1.5

**Hours:** 3-0

**Women, Race and Empire**

Introduction to the complex and often problematic relationship between women, race, and colonialism. Examines issues such as the implication of race and sex in European imperialism, the problematic positioning of white women in empire and the possibility of creating a post-colonial space for feminism. Although the broad sweep of European imperial power will be acknowledged, there will be a special focus on British imperialism in India. Considers political, literary, and filmic perspectives.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor.

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**WS 315**

**Units:** 1.5

**Hours:** 3-0

**Gender and International Human Rights**

An interdisciplinary examination of the ways in which international human rights theories, organizations, laws, and practice are gendered, racialized, sexualized, and class based, and their effects on freedom, equality, and dignity in the international system. Examines 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.

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**WS 316**

**Units:** 1.5

**Hours:** 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, 210, 219; third-year standing, or permission of the instructor.

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**WS 319**

**Units:** 1.5

**Hours:** 3-0

**Topics in Economics, States and Global Issues**

Variable content course on aspects of economics, states and global issues as they pertain to women's lives.

**Note:** No limit to number of credits if taken in different topics.

**Prerequisites:** Second-year standing or permission of the instructor.

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**WS 322**

**Units:** 1.5

**Hours:** 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.

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**WS 323**

**Units:** 1.5

**Hours:** 3-0

**Topics in Women's Health**

Variable content course on aspects of health issues as they pertain to women's lives.

**Note:** May be taken more than once in different topics.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor.

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**WS 325**

**Units:** 1.5

**Hours:** 3-0

**Women in Contemporary India**

Explores the history of the Indian women's movement (with emphasis on women's participation in the Indian national liberation struggle) and contemporary issues that define Indian feminism. Cultural critique of the manner in which Indian women have been studied and represented in the West will form the context of such exploration.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor.

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**WS 326**

**Units:** 1.5

**Hours:** 3-0

**Gender, Nation and War**

Examines how the social construction of gender has influenced issues of nation. Focuses on two main issues. One, the relations between culturally endorsed concepts of masculinity and femininity, nation, and female participation in nationalist politics. Two, the manner in which the link between gender and nation has, in certain contexts, supported war and warhoria.

**Prerequisites:** Second-year standing or permission of the instructor.

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**WS 327**

**Units:** 1.5

**Hours:** 3-0

**Discerning Masculinities**

Introduces students to the new field(s) of masculinities studies through popular culture, film, fiction and theory.

**Prerequisites:** Second-year standing or permission of the instructor.

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**WS 328**

**Units:** 1.5

**Hours:** 3-0

**Thinking Whiteness**

Social construction of whiteness is an important 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.

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**WS 329**

**Units:** 1.5

**Hours:** 3-0

**Topics in Power, Identities and Difference**

Variable content course on aspects of power, identities and differences as they pertain to women's lives.

**Note:** No limit to number of credits if taken in different topics.

**Prerequisites:** Second-year standing or permission of the instructor.

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**WS 334**

**Units:** 1.5

**Hours:** 3-0

**What's Race Got To Do With It? Theories of Race, Racism and Racialization**

An exploration of feminist and non-feminist theories of race, racism and racialization in relation to other sources of structured social inequality. Approaches will include political, economic, cultural and psychoanalytic theories.

**Note:** Recommended preparation for 336, Anti-Racist Feminisms and Democratic Futures.

**Prerequisites:** Second-year standing or permission of the instructor.

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**WS 336**

**Units:** 1.5

**Hours:** 3-0

**Anti-Racist Feminisms and Democratic Futures**

Introduces students to emerging debates in the growing literature on anti-racist feminism. Examines key assumptions underlying feminism and feminist anti-racist discourses. Analyzes western feminism as theory and practice by situating it within a global and historical context. Beginning with an analysis of whiteness, binarisms, colonialisms and orientalisms, challenges students to consider the theory and practice needed for a feminist, anti-racist reimagining of democracy and democratic futures.

**Note:** Credit will be granted for only one of 336, 331

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor.

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**WS 337**

**Units:** 1.5

**Hours:** 3-0

**Theorizing the Contemporary Body**

Explores the ways various contemporary schools of thought have conceptualized the body and embodiment. Readings will interrogate a diverse range of 20th century “bodies,” from the psychoanalytical body to fragmented bodies in postmodernism; the sexualized body in Queer Theory; post-colonial bodies in nations; performative bodies; virtual bodies in new media as well as the transgendered and transsexual body.

**Prerequisites:** Second-year standing or permission of the instructor.

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**WS 338**

**Units:** 1.5

**Hours:** 3-0

**Transnational Feminist Theories**

Seminar examines the emerging field of transnational feminist thought by introducing students to feminist approaches to understanding transnationalisms. Uses an interdisciplinary approach to explore: global/local interactions, migration and territorialisaton, women’s activism and organizing, nationalisms and citizenship, hybrid subjects and subjectivity formation, transnational and postmodern cultural formations, and transnational political economies and globalization.

**Prerequisites:** Third-year standing or permission of the instructor.

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**WS 339**

**Units:** 1.5

**Hours:** 3-0

**Topics in Feminist Theories and Activism**

Variable content course on aspects of feminist theories and activism as they pertain to women’s lives.
**WS 340** Units: 1.5 Hours: 3-0
**Indigenous Cinema: De-Colonizing the Screen**
Intensive analysis of the work of Indigenous filmmakers with emphasis on Canada and the U.S. Topics include: de-colonizing the screen; issues of identity and representation; Indigenous women’s filmmaking; Indigenous filmmaking as both an art form and a tool for social change. Examines the development of Indigenous cinema in Canada with special emphasis on documentaries, and looks at new directions in Indigenous cinema including experimental works and drama.
**Prerequisites:** Second-year standing or permission of the instructor.

**WS 341** Units: 1.5 Hours: 3-0
**Narrated Lives: Indigenous Women’s Auto/Biographies**
Explores Indigenous women’s auto/biography as a creative form of expression that draws upon both the Indigenous oral tradition and the written tradition of Euro-American autobiography. Looks at a range of Indigenous women’s autobiographical texts created under a variety of circumstances, from life histories narrated by Indigenous women and ‘mediated’ by non-Native recorder-editors, to contemporary texts written by Native women themselves that challenge the boundaries of conventional autobiography.
**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the 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:** Any one of 202, 203, 204, 205, 206, 207, 210, 219 plus any three upper-level WS courses; 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 430** Units: 1.5 Hours: 3-0
**Theorizing Feminisms**
Examines debates on experience, knowledge and power within feminist theory and political strategy. Emphasis on critical thinking and issues central to the intellectual history of feminist knowledge production.
**Note:** Credit will be granted for only one of 330A or 430.
**Prerequisites:** Any one of 202, 203, 204, 205, 206, 207, 210, 219 plus any three upper-level WS courses; or permission of the instructor.

**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 139.
**Note:** Open only to Women’s Studies Major or Honours students. Admission by permission of department. Students must notify the department by April 30 in the previous academic year of their intention to register.
**Prerequisites:** Any one of 202, 203, 204, 205, 206, 207, 210, 219 plus any three upper-level WS courses; or permission of instructor.

**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
The following were the university’s principal officers and members of its governing bodies as of January 1, 2008.

Chancellor
Ronald Lou-Poy, CM, QC, BCom, 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
J. Howard Bruton, BA, ADN, MScN, PhD

Vice-President, 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, CM, QC, BCom, 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 deC Evans, BCom
Murray Farmer, BA (Chair)
Tony Gage BA, MBA, CFA
Robert Giroux, BA, MA, Hon LLB
Raymond Potti, BA, MA

Members Elected by the Faculty Members
Peter Driessen, BSc, PhD
Peter Liddell, MA, PhD

Members Elected by the Student Association
Andrew Bateman
Penny Beames

Members Elected by the Employees
Sarah Webb

Secretary
Julia Eastman, BA, MA, PhD, University Secretary

Senate
Ex Officio Members
Chancellor: Ronald Lou-Poy, CM, QC, BCom, LLB, Hon LLD
President and Vice-Chancellor: David H. Turpin, BSc, PhD, FRSC (Chair)
V.P. Academic & Provost: Jamie L. Cassels, QC, BA, LLB, LLM
V.P. Research: J. Howard Bruton, BA, ADN, MScN, PhD
Dean of Business: Ali Dastmalchian, BSc, MSc, PhD
Dean of Education: Ted Riecken, BA, Med, PhD
Dean of Engineering: Michael Miller, BSc, MSc, PhD
Acting Dean of Continuing Studies: Joy Davis, BA, MMath
Dean of Fine Arts: Sarah Blackstone, BA, MA, PhD
Dean of Graduate Studies: Aaron Devor, BA, MA, PhD

THE UNIVERSITY OF VICTORIA
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

Dean of Humanities: Andrew Rippin, BA, MA, PhD
Dean of HSD: Mary Ellen Parkis, BSN, MSc, PhD
Dean of Law: Andrew Petter, LLB, LLM
Dean of Science: Tom Pedersen, BSc, PhD
Dean of Social Sciences: Peter Keller, BA, MA, PhD (Vice Chair)
University Librarian: Marnie Swanson, BA, MLS

Members Elected by the Individual Faculties

Business
Jen Baggs, BA, MA, PhD
Anthony Goerzen, BA, PhD

Education
Robert Anthony, BA, MA, PhD
Mary Kennedy, BMus, MEd, PhD

Engineering
Afzal Suleman, BSc, MSc, PhD
Micaela Serra, BSc, MSc, PhD

Fine Arts
Susan Lewis Hammond, BA, BMus, MM, MFA, PhD
Jan Wood, BFA

Graduate Studies
John Dower, BSc, PhD
Pan Agathoklis, FEIC, PEng, DrScTechn

Human and Social Development
Jeannine Moreau, BSN, MN

Humanities
Annalee Lepp, BA, MA, PhD
Tim Haskett, BA, MA, PhD

Law
Andrew Harding, MA, LLM, PhD
Robert Howell, LLB, LLM

Science
Robert Burke, BSc, PhD
Adam Monahan, BSc, MSc, PhD

Social Sciences
Kenneth Stewart, BA, MA, MSc, PhD
Ronald Skelton, BSc, MA, PhD

Members Elected by the Faculty Members

Evelyn Cabeley, BA, MA, PhD
Ted Durie, BSc, MSc, PhD
Ellen Chapko, BA, PhD
Peter Driessen, BSc, PhD
Patricia Kostek, BSc, MMus
Lynda Gammon, BA, MFA
Reg Mitchell, BA, MA, PhD, FCIC
Geraldine Van Gan, BA, MSc, PhD
Sikata Banerjee, BA, MA, PhD
Gordon Fulton, BA, MA, PhD
Peter Stephenson, BA, MA, PhD
Kim Hart Wensley, BA, LLB

Members Elected by the Student Association

Full-time Students (Terms expire June 30, 2008)
Phil Abraham (ENGR)
Andrew Bateman (SCIE)
Penny Beames (HUMS)
Mark Benster (FINE)
Andrea Coulter (GRAD)
Jon Davis (SOSC)
Arel English (SOSC)
Jessica Page (SCIE)
Richard Park (SCIE)
George Robinson (FINE)
Debra Sheffield (FINE)

Roselynn Verwoord (EDUC)
Erica Virtue (SOSC)
Lyndsay Watson (LAW)
vacant (BUSI)
Jessica Evans (HUMA)

Members Elected by the Convocation
(Terms expire December 31, 2008)
Cheryl Borris, BMus, MA
Betty Clazie, BMus, BA, MA
Larry Cross, BEd
Andrew MacPherson, BSc, MD

Additional Members
Head, Division of Medical Sciences: Oscar Casiro, MD
Member Elected by the Professional Librarians: Inbarani Kehoe, BA, MLS

Secretary of Senate
Julia Eastman, BA, MA, PhD, University Secretary

By Invitation
Assoc. V.P. Academic: Jim Anglin, BA, MSW, PhD
Assoc. V.P. Academic Planning: Catherine Mateer, BA, MSc, PhD
Registrar: Lynda Wallace-Hulecki, BSc, Med

Assistant University Secretary: Nancy Pye, BSoc, LLB

FOUNDATION FOR THE UNIVERSITY OF VICTORIA

Members of the Board
Susan Mehinagic, CA, LLB (Chair)
Gayle Gorill, BBA, CA, CBV
Lisa Hill
John van Caylenborg, BA, LLB
Anne Wortmann

Officers
President: David H. Turpin, BSc, PhD, FRSC
Treasurer: Murray Griffith, BA, CMA
Secretary: Julia Eastman, BA, MA, PhD

UNIVERSITY OF VICTORIA FOUNDATION

Members of the Board
Susan Mehinagic, CA, LLB (Chair)
Lana Denoni
Gayle Gorill, BBA, CA, CBV (ex officio)
Lisa Hill
Valerie Kuehne, BSc, MEd, MA, PhD
Robert Miller, CA, BA
André Rachert, BA, MA, LLB
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, LLRCP
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 LLD (UVic), Hon LLD (Brit Col)


**University Regalia**

**Chancellor**
Gown: purple corded silk, trimmed with purple velvet and gold braid
Headdress: Tudor style in purple velvet with gold cord trim

**President**
Gown: royal blue corded silk, trimmed with blue velvet and gold braid
Headdress: Tudor style in blue velvet with gold cord trim

**Chancellor Emeritus**
Gown: purple corded silk, with gold velvet panels and trimmed with purple velvet strips edged with gold piping
Headdress: Tudor style in purple velvet with gold cord trim

**President Emeritus**
Gown: royal blue corded silk, with gold velvet panels and trimmed with blue velvet strips edged with red piping
Headdress: Tudor style in blue velvet with gold cord trim

**Board of Governors**

**Chair**
Gown: traditional (Canadian) bachelor’s style in black wool blend with front facings and sleeve linings in gold silk
Headdress: Black cloth mortarboard with black silk tassel or Tudor style in black velvet with gold cord

**Member**
Headdress and gown as above, but with front facings in black

---

**Honorary Doctorate of Laws (Hon LLD)**

Gown: Cambridge (Doctor of Music) pattern, scarlet wool broadcloth, trimmed with blue-purple silk taffeta
Hood: Aberdeen pattern, outside shell of scarlet wool broadcloth, lined with blue-purple silk taffeta
Headdress: Tudor style in black velvet with red cord trim

**Honorary Doctorate**
Gown: Cambridge (Doctor of Music) pattern, scarlet wool, front facings and sleeve lining of black silk taffeta
Hood: Aberdeen pattern, outside shell of black wool, lined with silk taffeta in a solid colour with a one inch band of black velvet on the outside edge
- HonDLitt: white
- HonDMus: pink
- HonDEd: blue
- HonDS: gold
- HonDEng: orange
- HonDSN: apricot
- HonDFA: green
Headdress: Tudor style in black velvet with red cord trim

**Bachelors**
Gown: traditional (Canadian) bachelor’s style, in black
Hood: Aberdeen pattern (BA, BSc, and BEd, without neckband and finished with two cord rosettes; all others with mitred neckpiece), outside shell of silk taffeta in a solid colour, lined with identical material. Faculty colours are as follows:
- BA: scarlet
- BFA: green
- BCom: burgundy
- BMus: pink
- BSc: gold
- BSN: apricot
- BEd: blue
- BSW: citron
- BEng: orange
- BSEng: pale yellow
- LLB: blue-purple
Headdress: standard black cloth mortarboard with black silk tassel

**Masters**
Gown: traditional (Canadian) Master’s style in black.
Hood: similar in design and colour to the respective bachelor’s hoods, but with mitred neckpiece and a narrow band of black velvet one inch from edge of hood on the outside only. Others are:
- MAsc: orange
- MP A: 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>2006/07</th>
<th>2007/08</th>
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<tbody>
<tr>
<td>Second Year</td>
<td>7</td>
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<tr>
<td>Third Year</td>
<td>209</td>
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<tr>
<td>Total in Faculty</td>
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<th>Faculty of Education</th>
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<tr>
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<td>45</td>
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<tr>
<td>Third Year</td>
<td>165</td>
<td>176</td>
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<tr>
<td>Fourth Year</td>
<td>191</td>
<td>196</td>
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<tr>
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<td>Total in Faculty</td>
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<td>226</td>
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<td>Fourth Year</td>
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<td>Total in Faculty</td>
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<th>Faculty of Human and Social Development</th>
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<td>Total in Faculty</td>
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<td>Second Year</td>
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<td>Third Year</td>
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<td>Fourth Year</td>
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<tr>
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<td>120</td>
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<tr>
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<tr>
<td>Total in Faculty</td>
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<tr>
<th>Faculty of Science</th>
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<td>Second Year</td>
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<td>499</td>
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<tr>
<td>Third Year</td>
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<td>487</td>
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<td>Fourth Year</td>
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<tr>
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<tr>
<td>Total in Faculty</td>
<td>2015</td>
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Faculty of Social Sciences

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<th>First Year</th>
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<td>771</td>
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<tr>
<td>Total in Faculty</td>
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Division of Medical Sciences

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<tr>
<td>Total in Division</td>
<td>68</td>
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<tr>
<td>Total full-time undergraduates</td>
<td>11046</td>
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<tr>
<td>Total part-time undergraduates</td>
<td>5915</td>
<td>5767</td>
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<tr>
<td>Total undergraduates</td>
<td>16961</td>
<td>16733</td>
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Faculty of Graduate Studies

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<th>Full-time</th>
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<td>Part-time</td>
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<td>325</td>
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<tr>
<td>Total</td>
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University Total

<table>
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<th>2006/07</th>
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</thead>
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<tr>
<td>19475</td>
<td>19193</td>
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Full-Time Undergraduate and Graduate Students of Non-BC Origin

<table>
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<tr>
<th>2006/07</th>
<th>2007/08</th>
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<tbody>
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<td>Alberta</td>
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</tr>
<tr>
<td>Manitoba</td>
<td>88</td>
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<tr>
<td>New Brunswick</td>
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<tr>
<td>Newfoundland</td>
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<td>Nova Scotia</td>
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<td>Ontario</td>
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<td>Prince Edward Island</td>
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<td>Quebec</td>
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<td>Saskatchewan</td>
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<td>Yukon</td>
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<tr>
<td>Other Countries</td>
<td>1098</td>
</tr>
<tr>
<td>Total</td>
<td>3471</td>
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Degrees Conferred in 2006/2007

<table>
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<th>2006/07</th>
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Degrees Granted at the Colleges 2007

Aurora College

| BSN | 10 |

Selkirk College

| BSN | 19 |

Source: University of Victoria Registration Statistics as of November 1, 2007
## Key Contacts at UVic

### EXECUTIVE AND ADMINISTRATIVE OFFICERS

- **President:** Dr. David H. Turpin, Director - 721-8654, 721-7002
- **Chancellor:** Dr. Ronald Lou-Poy - 721-6223, 721-8101
- **Chair, Board of Governors:** Mr. Murray Farmer - 721-6223, 721-8101
- **University Secretary and Secretary, Board of Governors and Senate:** Dr. Julia Eastman - 721-6223, 721-8101
- **Vice-President Academic and Provost:** Prof. Jamie Cassets - 721-7216, 721-7010
- **Vice-President Finance and Operations:** Ms. Gayle Gorrill - 721-6677, 721-7018
- **Vice-President Research:** Dr. J. Howard Brunt - 472-5477, 721-7973
- **Associate Vice-President Academic and Student Affairs:** Dr. Jim Anglin - 721-7216, 721-6421
- **Associate Vice-President Academic Planning:** Dr. Catherine Mateer - 721-7012
- **Associate Vice-President Legal Affairs:** Prof. Mary Anne Waldrum - 721-7216, 472-4611
- **Registrar and Executive Director of Student Enrolment:** Ms. Lynda Wallace-Hulecki - 721-6225, 472-4602
- **Director, Equity:** Ms. Linda Sproule-Jones - 721-8570, 721-8486
- **Director, Human Rights:** Ms. Cindy Player - 721-8570, 721-8488
- **Office of Indigenous Affairs:** Director, Fran Hunt-Jinnouchi - 472-4952, 721-6326
- **Acting Dean of Continuing Studies:** Ms. Joy Davis - 472-4358, 721-8456
- **University Librarian:** Ms. Margaret Swanson - 721-8215, 721-8211

### ACADEMIC ADVISING

- **Humanities, Science and Social Sciences:** Advising Centre: Dr. Timothy S. Haskett, Director - 472-5145, 721-7567
- **Faculty of Business:** - 721-7066, 472-4728
- **Faculty of Education Advising Centre:** - 721-7767, 721-7877
- **Continuing Studies in Education:** Roger Howden, Director - 721-6603, 721-6192
- **Faculty of Engineering:** BEng Programs - 472-5323, 721-8678
- **BEng Program:** 721-6023
- **CSc Advising:** Jane Guy - 472-5757
- **Fine Arts Advising Centre:** Mrs. Anne Heinl - 721-7748, 472-5165
- **Graduate Advising:** Refer to particular academic department
- **Faculty of Law:**
  - Ms. Janet Person, Undergraduate Admissions Officer - 721-6390, 721-8151
  - Ms. Claire Abbott, Undergraduate Special Projects Coordinator - 721-6390, 721-8166
  - Graduate Advising Director - 721-8913
  - Island Medical Program: Ms. Christine Wood - 472-5505, 472-5527
  - Nursing: Ms. Joan Gillie - 721-6231, 721-7961

### UNIVERSITY SERVICES

- **Accounting Services:** Mr. Murray Griffith, Executive Director - 721-6221, 721-7029
- **Alumni Services:** Mr. Don Jones, Director - 721-6265, 721-6000
- **University Archivist:** Ms. Lara Wilson - 721-8215, 472-4480
- **Athletics and Recreation:** Mr. Clint Hamilton, Director - 721-8956, 721-8409
- **Bookstore:** Mr. Jim Forbes, Director - 721-8553, 721-8310
- **Career Services:** Ms. Jennifer Margison, Manager - 721-6220, 721-8421
- **Child Care Services:** Mr. Jack Lalonde, Manager - 721-6591, 721-6656
- **Computer Help Desk:** Mr. David Street, Supervisor - 721-8778, 721-7687
- **Computer Store:** Mr. Kevin Burns, Supervisor - 721-8124, 721-8321
- **Computing and Systems Services:**
  - Mr. Mark Roman, Chief Information Officer - 721-8778, 721-7649
- **Computing Instructional Technology:** Mr. Lance Grant - 721-8778, 721-6399
- **Continuing Studies:** - 721-8774, 472-4747
- **Continuing Studies Online Help Desk:** - 721-8476
- **Co-operative Education Programs:** Ms. Norah McRae, Executive Director - 721-8996, 721-8811
- **Counselling Services:** Dr. Joseph A. Parsons, Manager - 472-4443, 721-8341
- **Development:** Ms. Birgit Castledine, Director - 721-8961, 721-8755
- **Distance Education Services:** - 721-8774, 721-8454
- **E-Learning Systems:** - 721-6598, 721-7671
- **Facilities Management:**
  - Mr. Gerald A. Robson, Executive Director - 721-8999, 721-7592
- **Family Centre:**
  - Prof. Barbara Whittington, Faculty Coordinator - 472-4669, 721-4062
- **Graduate Admissions and Records:** Ms. Angela Katanah, Director - 721-6225, 721-7975
- **Graduate Students’ Society:** - 721-6137, 472-4543
- **Health Services:** Dr. William H. Dyson, Director - 721-6224, 721-8492
- **Housing, Food and Conference Services:** Mr. Gavin Quiney, Director - 721-8930, 721-8395
- **Human Resources:**
  - Mr. Peter Sanderson, Associate Vice-President - 721-8094, 721-8031
- **Innovation and Development Corporation:**
  - Dr. Tim Walzak, President and CEO - 721-6497, 721-6500
- **Institutional Planning and Analysis:**
  - Mr. Tony Eder, Director - 721-7213, 721-8027
- **Interfaith Chaplains Services:** - 721-4443, 721-8338
- **Internal Audit:** Mr. Andrew Cartwright, Director - 721-8985, 721-7039
- **International Affairs Office:** Dr. Jim Anglin, Director - 721-6542, 472-4644
- **International and Exchange Student Services:**
  - Mr. Pierre Laliberté, Manager - 721-6470, 721-7037
- **Language Centre:**
  - Mr. Scott Gerrity, Coordinator - 721-8778, 721-8294
- **Learning and Teaching Centre:** Dr. Geraldine Van Gyn, Interim Director - 721-6494, 721-8571
- **Libraries:**
  - Ms. Margaret Swanson - 721-8215, 721-8211
  - Maltwood Art Museum and Gallery: Prof. Martin Segger, Director - 721-8997, 721-8298
  - Mr. Pierre Laliberté, Manager - 721-6470, 721-7037
- **Network Services:** Mr. Ken Howard - 721-8778, 721-7659
- **Occupational Health, Safety & Environment Department:** Mr. Richard Piskor, Director - 721-6359, 721-8971
- **Purchasing Services:** Mr. Ken S. Babich, Manager - 721-8327, 721-8326
- **Security Services:** Mr. Pete Zacour, Director - 721-6627, 721-6107
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<td>Ms. Laurie Keenan, Coordinator ........... 472-4443</td>
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<td>Student and Ancillary Services:</td>
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<td>Mr. David C. Cloke, Executive Director ........... 721-6610</td>
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<td>Ms. Lori Nold, Director ........... 721-8757</td>
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<td>Mr. Bruno Rocca, Director ........... 721-8109</td>
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<td>Ms. Martine Conway ........... 721-8357</td>
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<td>Mrs. Liliane Morgan, Administrative Clerk ........... 721-6225</td>
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<td>Ms. Susan Corner, Manager ........... 472-5440</td>
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<td>Ms. Lauren Charlton, Associate Registrar, Records and Registrarial Services ........... 721-6225</td>
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<td>Justin Kohlman, Director ........... 721-8951</td>
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### DEANS OF FACULTIES

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<tr>
<td>Dr. Ali Dastmalchian, Dean ........... 721-6613</td>
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<td>Dr. Maureen MacDonald, Dean ........... 472-4358</td>
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<td>Dr. Ted Rickens, Dean ........... 472-5063</td>
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<td>Dr. Gillian Roberts, Associate Dean Administration ........... 472-5063</td>
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<td>Dr. D. Michael Miller, Dean ........... 721-8676</td>
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<td>Dr. Fayez Gebali, Associate Dean (Undergraduate Programs) ........... 472-5323</td>
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<td>Dr. Afzal Suleman, Associate Dean (Research) ........... 721-6051</td>
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<td>Prof. Andrew Petter, QC, Dean ........... 472-4299</td>
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<td>Prof. Cheryl Crane, Associate Dean Administration and Research ........... 721-8146</td>
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<td>Prof. Kim Hart Wensley, Associate Dean Academic &amp; Student Relations ........... 721-8152</td>
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<td>Science:</td>
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<td>Dr. Helena Kadlec, Associate Dean ........... 472-4901</td>
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### DEPARTMENT CHAIRS AND DIRECTORS OF SCHOOLS/PROGRAMS

| Aboriginal Education: |
| Dr. Lorna Williams ........... 721-7767 |
| Anthropology: |
| TBA ........... 721-6215 |
| Biochemistry and Microbiology: |
| Dr. Robert Burke ........... 721-8855 |
| Biology: |
| Dr. William Hintz ........... 721-7120 |
| Business: |
| Dr. David McCutcheon, Director, BCom Program ........... 721-7066 |
| Chemistry: |
| Dr. Thomas M. Fyles ........... 721-7147 |
| Child and Youth Care: |
| Dr. Silbye Artz ........... 721-7218 |
| Computer Science: |
| TBA ........... 472-5708 |
| Curriculum and Instruction: |
| Dr. Robert J. Anthony ........... 472-4616 |
| Earth and Ocean Sciences: |
| Dr. Kathryn Gillis ........... 721-6200 |
| Economics: |
| TBA ........... 721-6214 |
| Educational Psychology and Leadership Studies: |
| Dr. John Walsh ........... 721-6190 |
| Electrical and Computer Engineering: |
| Dr. Nikitas Dimopoulos ........... 721-6052 |
| English: |
| Dr. Robert Miles ........... 721-6498 |
| Environmental Studies: |
| Dr. Eric Higgs ........... 721-7985 |
| Exercise Science, Physical and Health Education: |
| Dr. Doug Nichols ........... 721-6601 |
| Film Studies: |
| Dr. L. McLarty ........... 721-7941 |
| French: |
| Dr. Sada Niang ........... 721-8724 |
| Geography: |
| TBA ........... 721-6216 |
| Germanic and Slavic Studies: |
| Dr. Peter Golz ........... 721-7319 |
| Greek and Roman Studies: |
| Dr. Cedric A. Littlewood ........... 721-8515 |
| Health Information Science: |
| Dr. Andre Kushniruk ........... 472-4751 |
| Hispanic and Italian Studies: |
| Dr. Pablo Restrepo-Gautier ........... 721-6608 |
| History: |
| Dr. Thomas Saunders ........... 721-8772 |
| History in Art: |
| Dr. Catherine Harding ........... 721-7941 |
| Indigenous Governance: |
| Dr. Taiialale Alfred ........... 472-4724 |
| Law: |
| Prof. Jeremy Webber, Director, Graduate Programs ........... 721-8146 |
| Linguistics: |
| Dr. Leslie Saxon ........... 721-7423 |
| Mathematics and Statistics: |
| Dr. Gary MacGillivray ........... 721-8962 |
| Mechanical Engineering: |
| Dr. Zuo Min Dong ........... 721-6051 |
| Medical Sciences: |
| Dr. Oscar G. Casiro ........... 472-5505 |
| Medieval Studies: |
| Dr. Catherine Harding ........... 472-4748 |
| Music: |
| Dr. Gerald King ........... 721-6597 |
| Nursing: |
| Dr. Noreen Frisch ........... 721-6231 |
Pacific and Asian Studies:  
Dr. Cody Poulton  
721-7219  721-8707

Philosophy:  
Dr. James O. Young  
721-7511  721-7509

Physics and Astronomy:  
Dr. J. Michael Roney  
721-7715  721-7698

Political Science:  
Dr. Colin J. Bennett  
721-7485  721-7495

Professional Writing:  
Dr. Lynne Van Luven  
721-6602  721-7307

Psychology:  
Dr. Elizabeth Brimacombe  
721-8929  721-7522

Public Administration:  
Dr. Evert Lindquist  
721-6228  721-6275

Social Work:  
Dr. Deborah Begoray  
721-6217  721-7576

Sociology:  
Dr. Zheng Wu  
721-6602  721-7306

Software Engineering:  
Dr. Hausi Müller  
721-7292  721-7630

Studies in Policy and Practice:  
Dr. Susan Boyd  
721-7067  721-8051

Theatre:  
Professor Brian Richmond  
721-6596  721-8591

Visual Arts:  
Professor Allan Stichbury  
721-6595  721-6157

Women's Studies:  
Dr. Annalee Lepp  
721-7210  721-6157

Writing:  
Professor Lorna Crozier  
721-6602  721-7306

**DIRECTORS OF RESEARCH CENTRES AND INSTITUTES**  
Fax  Phone

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<tr>
<th>Centre and Institute</th>
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<tr>
<td>BC Institute for Co-operative Studies (BCCS):</td>
<td>472-4541</td>
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<tr>
<td>Dr. Ian MacPherson</td>
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<tr>
<td>Centre for Addictions Research (CFAR):</td>
<td>472-5321</td>
<td>472-5305</td>
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<td>Dr. T. Stockwell</td>
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<td>Centre for Advanced Materials and Related Technology (CAMTEC):</td>
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<td>Dr. Robin Hicks</td>
<td>721-7147</td>
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<td>Centre for Asia Pacific Initiatives (CAPI):</td>
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<tr>
<td>Dr. Richard King</td>
<td>721-3107</td>
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<td>Centre for Biomedical Research (CFBR):</td>
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<tr>
<td>Dr. Barbara Hawkins</td>
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<td>Centre for Global Studies (CFGS):</td>
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<tr>
<td>Dr. Gordon Smith</td>
<td>472-4830</td>
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<td>Centre for Health Promotion (CHPC):</td>
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<tr>
<td>Dr. Marcia Hills</td>
<td>472-4836</td>
<td>472-4102</td>
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<td>Centre for Studies in Religion and Society (CSRS):</td>
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<tr>
<td>Dr. Conrad Brunk</td>
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<td>Centre for Youth and Society (CFYS):</td>
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<tr>
<td>Dr. Bonnie Leadbeater</td>
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<td>Centre on Aging (COAG):</td>
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<tr>
<td>Dr. Elaine Gallagher</td>
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<td>Institute for Dispute Resolution (IFDR):</td>
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<tr>
<td>Prof. Maureen Maloney</td>
<td>721-6607</td>
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<td>Institute for Integrated Energy Systems (IESVic):</td>
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<tr>
<td>Dr. Peter Wild</td>
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<td>Laboratory for Automation, Communication, and Information Systems Research (LACIR):</td>
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<tr>
<td>Dr. Colin Bradley</td>
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**DIRECTORS OF OTHER CENTRES**  
Fax  Phone

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<tr>
<th>Centre and Institute</th>
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<td>Centre for Excellence in Teaching and Understanding Science:</td>
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<tr>
<td>Dr. David Blades</td>
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<td>English Language Centre:</td>
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<td>Jacqueline Prowse (Co-Director)</td>
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<td>Avril Taylor (Co-Director)</td>
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<td>Health and Learning Knowledge Centre:</td>
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<td>Robert Aucoin</td>
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