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

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

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

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

**How Do I Apply for Admission?**

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

Keep in mind that as well as completing an application form, you'll have to arrange to send official transcripts of your marks from secondary school and any post-secondary institutions you've attended, and pay application fees. You'll find more details about admission requirements starting on page 20.

**How Do I Choose What to Study?**

Your choice of courses will depend on your academic goal. Most programs at UVic lead to a degree, but there are also many diploma and certificate programs. You'll find a list of these on page 20.

If you're planning to begin a degree at UVic, you'll first have to qualify for admission to the faculty offering that degree. The faculties at UVic are: Business, Education, Engineering, Fine Arts, Human and Social Development, Humanities, Law, Science, Social Sciences and Graduate Studies. You'll find a list of the degrees each faculty offers on page 20. Each faculty's minimum admission requirements are listed in the table on page 22.

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

Each faculty and department entry in the Calendar includes information on the degree programs available and their course requirements. To learn more about particular courses, check the individual course descriptions in the second half of the Calendar. You'll find a list of the faculties and the courses they offer on page 222.

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<table>
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<th>Advising Services for Each Faculty</th>
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<td><strong>Faculty of Education</strong></td>
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<td><strong>Faculty of Engineering</strong></td>
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<td><strong>Faculty of Law</strong></td>
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<td><strong>Faculty of Science</strong></td>
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<tr>
<td><strong>Faculty of Social Sciences</strong></td>
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</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, then you will register online for courses through WebReg. You'll receive an admission package giving you detailed instructions on how to use WebReg once your application is accepted.

**HOW MUCH WILL IT COST?**

The answer depends on your faculty or program, how many courses you take, your transportation costs, and your living arrangements. Here are the typical costs for the 2005-2006 academic year for a student taking 15 units of courses.

- Tuition fees ............................. $4411
- Student society fees ......................... $136
- Athletics and recreation fee ............... $128
- UVSS health plan ........................... $120
- UVSS dental plan ............................ $118
- UPass bus pass .............................. $112
- Books and supplies, up to ................. $1000
- Board and room for 8 months
  - on-campus, single (average) ........... $5790
  - on-campus, double (average) ......... $5080
  - off-campus ................................ $5230-6230

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

**WHAT FINANCIAL HELP CAN I GET?**

For most students, a university education requires considerable financial planning. The Student Awards and Financial Aid Office is the place to get information and advice about funding your studies. Visit their website at <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 2006 New Student Orientation, please visit our website: <www.uvic.ca/orientation>.

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

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

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

Good luck with your studies. 
And again, welcome to UVic!
### 2006-2007 Academic Year Important Dates

In recognition of the fact that the University of Victoria is a diverse community, the Office of the University Secretary has compiled a list of religious festivals, which is available at the UVic website. Faculty and staff may wish to refer to this list in responding to requests from members of religious groups for variations in examination schedules due to religious observances.

#### Winter Session—First Term

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<td>4 Monday</td>
<td>Labour Day*</td>
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<tr>
<td>5 Tuesday</td>
<td>First-year and opening assembly for Faculty of Law</td>
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<tr>
<td>6 Wednesday</td>
<td>First-term classes begin for all faculties</td>
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<tr>
<td>14 Thursday</td>
<td>Last day for course changes in Faculty of Law</td>
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<tr>
<td>19 Tuesday</td>
<td>Last day for 100% reduction of tuition fees for first-term and full-year courses</td>
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<tr>
<td>22 Friday</td>
<td>Last day for adding courses that begin in the first term</td>
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<tr>
<td>30 Saturday</td>
<td>Last day for paying first-term fees without penalty</td>
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<td>6 Friday</td>
<td>Senate meets</td>
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<tr>
<td>9 Monday</td>
<td>Thanksgiving Day*</td>
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<tr>
<td>10 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>
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<td>27 Friday</td>
<td>Special Senate meeting (tentative)</td>
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<tr>
<td>31 Tuesday</td>
<td>Last day for withdrawing from first-term courses without penalty of failure</td>
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<th>November 2006</th>
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<td>3 Friday</td>
<td>Senate meets</td>
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<td>11 Saturday</td>
<td>Remembrance Day*</td>
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<td>13-15 Mon-Wed</td>
<td>Reading Break (except Law)*</td>
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<tr>
<td>14-15 Tue-Wed</td>
<td>Fall Convocation</td>
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<td>1 Friday</td>
<td>Deadline to apply to graduate for Spring convocation Last day of classes in first term, except Faculty of Human and Social Development** National Day of Remembrance and Action on Violence Against Women. Classes and exams cancelled 11:30-12:30.Senate meets</td>
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<tr>
<td>4 Monday</td>
<td>First-term examinations begin, except Faculty of Human and Social Development**</td>
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<tr>
<td>18 Monday</td>
<td>First-term examinations end for all faculties</td>
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<tr>
<td>25 Monday</td>
<td>Christmas Day*</td>
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<tr>
<td>26 Tuesday</td>
<td>Boxing Day*</td>
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<td>25 Dec-1 Jan</td>
<td>University closed</td>
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#### Winter Session—Second Term

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<td>1 Monday</td>
<td>New Year’s Day*</td>
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<td>3 Wednesday</td>
<td>Second-term classes begin in all faculties</td>
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<tr>
<td>11 Thursday</td>
<td>Last day for course changes in Faculty of Law</td>
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<tr>
<td>12 Friday</td>
<td>Senate meets</td>
<td></td>
</tr>
<tr>
<td>16 Tuesday</td>
<td>Last day for 100% reduction of second-term fees</td>
<td></td>
</tr>
<tr>
<td>19 Friday</td>
<td>Last day for adding courses that begin in the second term</td>
<td></td>
</tr>
<tr>
<td>31 Wednesday</td>
<td>Last day for paying second-term fees without penalty</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>February 2007</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Friday</td>
<td>Senate meets</td>
<td></td>
</tr>
<tr>
<td>6 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>
<td></td>
</tr>
<tr>
<td>19-23 Mon-Fri</td>
<td>Reading Break for all faculties.</td>
<td></td>
</tr>
<tr>
<td>28 Wednesday</td>
<td>Last day for withdrawing from full-year and second-term courses without penalty of failure</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>March 2007</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Friday</td>
<td>Senate meets</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>April 2007</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Thursday</td>
<td>Last day of classes for all faculties except Faculty of Human and Social Development**</td>
<td></td>
</tr>
<tr>
<td>6 Friday</td>
<td>Good Friday*</td>
<td></td>
</tr>
<tr>
<td>9 Monday</td>
<td>Easter Monday*</td>
<td></td>
</tr>
<tr>
<td>10 Tuesday</td>
<td>Examinations begin for all faculties except Faculty of Human and Social Development**</td>
<td></td>
</tr>
<tr>
<td>13 Friday</td>
<td>Senate meets</td>
<td></td>
</tr>
<tr>
<td>26 Thursday</td>
<td>Examinations end for all faculties. End of Winter Session</td>
<td></td>
</tr>
</tbody>
</table>

#### May-August 2007

See Summer Studies Calendar for complete dates

<table>
<thead>
<tr>
<th>May 2007</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Friday</td>
<td>Senate meets</td>
<td></td>
</tr>
<tr>
<td>7 Monday</td>
<td>May-August courses begin</td>
<td></td>
</tr>
<tr>
<td>10 Thursday</td>
<td>Last day for course changes (Faculty of Law only)</td>
<td></td>
</tr>
<tr>
<td>14 Monday</td>
<td>May and May-June courses begin</td>
<td></td>
</tr>
<tr>
<td>21 Monday</td>
<td>Victoria Day*</td>
<td></td>
</tr>
<tr>
<td>22 Tuesday</td>
<td>Special Senate meeting (tentative)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>June 2007</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8 Tues–Fri</td>
<td>Spring Convocation</td>
<td></td>
</tr>
<tr>
<td>6 Wednesday</td>
<td>May courses end</td>
<td></td>
</tr>
<tr>
<td>7 Thursday</td>
<td>June courses begin</td>
<td></td>
</tr>
<tr>
<td>29 Friday</td>
<td>May-June and June courses end</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>July 2007</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Monday</td>
<td>Canada Day* Deadline to apply to graduate for Fall convocation 2-3 Mon-Tue Reading Break, “K” sections only</td>
<td></td>
</tr>
<tr>
<td>4 Wednesday</td>
<td>July and July-August courses begin</td>
<td></td>
</tr>
<tr>
<td>26 Thursday</td>
<td>July courses end</td>
<td></td>
</tr>
<tr>
<td>27 Friday</td>
<td>August courses begin</td>
<td></td>
</tr>
<tr>
<td>27, 30, 31</td>
<td>Supplemental and deferred examinations for Winter Session 2006-2007 (except in BEng programs)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>August 2007</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Friday</td>
<td>May-August classes end, including Faculty of Law</td>
<td></td>
</tr>
<tr>
<td>6 Monday</td>
<td>British Columbia Day*</td>
<td></td>
</tr>
<tr>
<td>7 Tuesday</td>
<td>May-August examinations begin, including Faculty of Law</td>
<td></td>
</tr>
<tr>
<td>14 Tuesday</td>
<td>Examinations end, Faculty of Law only</td>
<td></td>
</tr>
<tr>
<td>17 Friday</td>
<td>May-August examinations end, except Faculty of Law</td>
<td></td>
</tr>
<tr>
<td>20 Monday</td>
<td>July-Aug, and Aug. courses end, except Faculty of Law</td>
<td></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.

#### Summer Studies

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

The University reserves the right to cancel courses when enrollment is not sufficient. For information or a Summer Studies Calendar, contact: Administrative Clerk, Summer Studies Office of the Administrative Registrar University Centre Phone: (250) 721-8471; Fax: (250) 721-6225 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 43.

Co-operative Education
A program of education which integrates academic study with work experience. See page 44.

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

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

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

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

Discipline
A subject of study within a department.

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

General
A program which requires 9 units in that discipline at the 300 or 400 level.

Graduate Student
A student who has received a bachelor's degree or equivalent and who is enrolled in a program leading to a master's or doctoral degree.

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

Letter Grade
Any of the letters used in the grading system (see page 36).

Lower-Level Courses
Courses numbered from 100 to 299.

Major
The emphasis in a degree program or a program which involves specialization in a discipline and requires 15 or more units in that discipline at the 300 or 400 level.

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

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

Plagiarism
A form of cheating by means of the unacknowledged, literal reproduction of ideas and material of other persons in the guise of new and original work. See Policy on Academic Integrity, page 32.

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

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

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

Registration
The process of formally enrolling in courses.

Regular Student
A student who is registered as a candidate for a University of Victoria degree, or in credit courses leading to a University of Victoria diploma or certificate.
# 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>July 1 (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-Prov., U.S., including International American/Canadian curriculum schools)</td>
<td>September</td>
<td>February 28</td>
<td>April 30 (For all documents other than final grades.)</td>
</tr>
<tr>
<td><strong>INTERNATIONAL APPLICANTS</strong> (Official in-progress transcripts are required at time of application)</td>
<td></td>
<td></td>
<td></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>September</td>
<td>April 30</td>
<td>May 31 (all programs)</td>
</tr>
<tr>
<td></td>
<td>January</td>
<td>October 15</td>
<td>November 1 (all programs)</td>
</tr>
<tr>
<td></td>
<td>May or July</td>
<td>January 31</td>
<td>February 28</td>
</tr>
<tr>
<td><strong>BUSINESS</strong> (Official in-progress transcripts are required at time of application)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Domestic and International students</td>
<td>September</td>
<td>February 28</td>
<td>March 15</td>
</tr>
<tr>
<td>International students only</td>
<td>January</td>
<td>August 31</td>
<td>September 30</td>
</tr>
<tr>
<td><strong>EDUCATION</strong> (Official in-progress transcripts are required at time of application)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary: Post-Degree Professional Programs</td>
<td>Regular Options</td>
<td>July</td>
<td>December 31</td>
</tr>
<tr>
<td></td>
<td>Internship Option</td>
<td>May</td>
<td>December 31</td>
</tr>
<tr>
<td></td>
<td>Five-Year BEd (Art, Music, PE)</td>
<td>September</td>
<td>Jan 31 (with transcripts)</td>
</tr>
<tr>
<td>Elementary: Regular Option &amp; Post Degree Professional Program</td>
<td>September</td>
<td>Jan 31 (with transcripts)</td>
<td>May 31</td>
</tr>
<tr>
<td>School of Physical 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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSc (Computer Science)</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
</tr>
<tr>
<td></td>
<td>January</td>
<td>October 31</td>
<td>November 30</td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>March 31</td>
<td>April 30</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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History in Art</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
</tr>
<tr>
<td></td>
<td>January</td>
<td>October 31</td>
<td>November 30</td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>March 31</td>
<td>April 30</td>
</tr>
<tr>
<td>Music*</td>
<td>September</td>
<td>March 31</td>
<td>May 31</td>
</tr>
<tr>
<td>Theatre*</td>
<td>September</td>
<td>February 28</td>
<td>May 31</td>
</tr>
<tr>
<td>Visual Arts*</td>
<td>September</td>
<td>March 31</td>
<td>May 31</td>
</tr>
<tr>
<td>Writing, including Harvey Southam Diploma in Writing and Editing</td>
<td>September</td>
<td>March 31</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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child and Youth Care*</td>
<td>September</td>
<td>February 28</td>
<td>April 1</td>
</tr>
<tr>
<td>Pre-Child and Youth Care (distance only)*</td>
<td>September</td>
<td>February 28</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td>January</td>
<td>June 15</td>
<td>August 15</td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>November 1</td>
<td>January 1</td>
</tr>
<tr>
<td>Health Information Science*</td>
<td>September</td>
<td>February 28</td>
<td>July 1</td>
</tr>
<tr>
<td>Nursing*</td>
<td>September</td>
<td>March 31</td>
<td>May 15</td>
</tr>
<tr>
<td></td>
<td>January</td>
<td>September 30</td>
<td>November 15</td>
</tr>
<tr>
<td>Social Work*</td>
<td>September</td>
<td>January 31</td>
<td>January 31</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></td>
<td>January</td>
<td>October 31</td>
<td>November 30</td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>March 31</td>
<td>April 30</td>
</tr>
<tr>
<td></td>
<td>July</td>
<td>April 30</td>
<td>May 31</td>
</tr>
<tr>
<td>Public Sector Management, Local Government Management Diploma, Professional Specialization Certificates*</td>
<td>September</td>
<td>May 31</td>
<td>July 15</td>
</tr>
<tr>
<td></td>
<td>January</td>
<td>October 15</td>
<td>November 15</td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>February 15</td>
<td>April 1</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></td>
<td>January</td>
<td>October 31</td>
<td>November 30</td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>March 31</td>
<td>April 30</td>
</tr>
<tr>
<td></td>
<td>July</td>
<td>April 30</td>
<td>May 31</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>
<tr>
<td>* These programs require supplemental materials; please contact the faculty/department directly.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
General Information

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

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

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

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

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

• Regular student: A student admitted to credit courses as a candidate for a degree, diploma, or certificate.
• Special student: A student admitted to credit courses but not a candidate for a degree, diploma, or certificate.

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

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

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

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

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

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

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

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

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

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


Schedule of Classes (Timetable)
The schedule of undergraduate classes for the Winter Session is available from the WebTime Table (WebTT), which is accessible at the Office of the Administrative Registrar website <registrar.uvic.ca>.

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

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

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 Observed
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 religious holy days is available at the following website: <www.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. It also addresses personal harassment, sometimes called workplace harassment. Each is defined below, and the procedures for redress are applicable to all.

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

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

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

**Harassment** means either sexual harassment or personal harassment.

**Sexual harassment** means unwelcome sexual advances, requests for sexual favours or other verbal or physical conduct of a sexual nature when:

- submission to such conduct is made either explicitly or implicitly a term or condition of employment or of educational progress; or
- submission to or rejection of such conduct is used as the basis for employment or academic decisions affecting that employee or student; or
- such conduct has the effect or purpose of unreasonably interfering with an employee’s work performance or a student’s academic performance or creating an intimidating, hostile, or offensive working or educational environment. Sexual harassment may consist of behaviour by men towards women or other men, or behaviour by women towards men or other women.

**Personal harassment** means abusive, unfair, or demeaning treatment of a person or group of persons that is known or ought reasonably to be known to be unwelcome and unwanted when:

- such treatment abuses the power one person holds over another or misuses authority; or
- such treatment has the effect or purpose of seriously threatening or intimidating a person, and such treatment has the effect or purpose of unreasonably interfering with a person’s or a group of persons’ employment or educational status or performance, or creating an intimidating, hostile or offensive work or educational environment.

**Harassment** is not limited to treatment that is based on race, colour, ancestry, place of origin, political belief, religion, marital status, family status, physical or mental disability, sex, sexual orientation, age or a criminal conviction that is unrelated to employment or intended employment.

**Student Discipline**

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

**Academic Services**

**Academic Advising**

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

**Computing and Systems Services**

Computing and Systems Services (CASS) provides computing and networking support to UVic students’ learning and research needs via microcomputer, Unix and high-performance computing facilities. Students may use CASS-supported PC and Macintosh workstations in our four laboratory complexes (in CLE, HSD, REC). There, students will also find printing facilities, extensive technical assistance and basic instruction for e-mail, conferencing, e-learning, Microsoft Word, PowerPoint, Excel, Windows, etc.

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

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

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

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

To provide online access, CASS operates the campus backbone network, a number of local area networks connected to it, a growing wireless network and connections to the Internet, BCNET and Ca*net. A modem pool provides dial-up access to University services and the Internet; high speed access to our services is available via Shaw cable, Telus ADSL, and other service providers.

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

**Computer Help Desk**

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

**Computer Store**

Clearihue C143
Phone: 721-8321
Web: <cstore.uvic.ca>
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.
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 circulated on campus free of charge.
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.

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

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

Recreation Facilities
Use of the facilities and participation in the programs of Athletics and Recreation is open to students and to faculty and staff who have acquired a RecPlus membership card. Family memberships for faculty, staff and students are also available. The campus has several playing fields, including a double-wide artificial turf, Centennial Stadium (4500 seats), tennis courts and miles of jogging trails through the woods and along Cadboro Bay. A sailing compound, the Simpson Property and the Elk Lake Rowing Centre are also available. The 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, 8:30-5:00
(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. Between early April and mid-September and from early December to mid-January, 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 graduates.

The Bookstore offers a wide selection of contemporary UVic crested clothing and giftware, school and stationery supplies and our gift section is famous for its variety and excellent prices.

Finnerty Café
Campus Services Building
Hours: Mon-Fri 7:30-7:00
Sat-Sun: 11:00-5:00
Phone: 472-4594

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

Career Services
Campus Services Building
Hours: Mon-Fri 8:30-4:30
Phone: (250) 721-8421
Web: <www.careerservices.uvic.ca>

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

Services Offered
- individual consultations and group sessions on career decision-making, résumé preparation, interview skills and work search strategies
- online postings for part-time, summer, career and on-campus opportunities
- career resource library
- career fairs, career forums and employer information sessions
- assistance to recent graduates through our Applied Career Transitions project and other services
- registration in the casual job registries
- use of computers for work search purposes
- use of computers for work search purposes
- use of computers for work search purposes
- 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 memorial services. The Chapel is located beside parking lot #6. For booking enquiries, please call or visit our website.

Child Care Services
Complex A, B, C
Hours: Mon-Fri (hours vary)
Phone: 721-8500
Web: <www.stas.uvic.ca/daycare/>

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

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

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

Counselling Services offers free, confidential counselling to students who have personal, career, learning or educational concerns. For current offerings, please visit the Counselling Services website.

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

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

Thesis/Dissertation Completion: Counsellors are available to help graduate students succeed with their thesis and dissertation projects through daily goal setting, performance management and group meetings.

University Learning Skills Course for New Students: This special version of the Learning Skills Course is offered in August. It helps new and mature students cope with the transition to university learning. Contact the Division of Continuing Studies for dates and times.

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2006-07 UVIC CALENDAR

2006-07 UVIC CALENDAR

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

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

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

- Learning Skills Course: This non-credit course is offered throughout the year. It is designed to help students develop better techniques for reading, listening, notetaking, organizing and learning material, and writing essays and exams.
- Study Groups: On request, Counselling Services will arrange a regular meeting place on campus for a Study Group and/or show students how to use group study to enhance learning.
- Workshops: During the Fall and Spring semesters, free workshops are offered on topics such as Time Management, Reading Efficiency, Exam Writing, Note Making, Essay Writing and Class Participation/Public Speaking.
- Thesis/Dissertation Completion: Counsellors are available to help graduate students succeed with their thesis and dissertation projects through daily goal setting, performance management and group meetings.

University Learning Skills Course for New Students: This special version of the Learning Skills Course is offered in August. It helps new and mature students cope with the transition to university learning. Contact the Division of Continuing Studies for dates and times.

Counselling for Personal Issues
Professional counsellors provide a confidential atmosphere in which students can explore any topic or situation and discuss any concerns they may have. Some of the personal problems that students bring to Counselling Services are shyness, lack of self confidence, difficulty communicating with others 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

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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.

Physiotherapy Clinic

Gordon Head Complex
Phone: 472-4057

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

Academic Concessions Due to Illness

Academic concession forms are provided for:
- deferred final exams
- reduction of course load
- withdrawal from the university

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

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

Also, see Academic Concessions, page 35.

Illness During Examinations

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

Housing

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

On-Campus Accommodation

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

Body Image

Career Exploration/Planning

Depression Management

Gay, Lesbian, Bisexual Group

Mature Students’ Support Group

Men’s Group

Personal Growth

Self-esteem

Surviving Relationship Breakup

See our website for current group offerings

International Student Counselling

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

Advanced Educational Testing/Computer-Based Testing Centre

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

Peer Helping

Room B805 Student Union Building
Hours: Mon Fri 8:30-4:30
Phone: 721-8343
Web: <www.coun.uvic.ca/peer>

Peer helpers are trained, supervised volunteers who offer confidential support to other students. They participate in a variety of outreach programs. Contact the Peer Helpers either at the Drop-In Centre located in SUB B805, or through the Peer Helping Coordinator at Counselling Services.

Family Centre

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

The Family Centre serves the families of UVic students living on and off campus. Convenitely 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: <hfs.campus.uvic.ca/food>

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

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

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

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

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

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

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

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

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

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 mainframe computer hook-ups are available. Washrooms are centrally located on each floor. Cable television is provided in each floor lounge. Pay phones and coin-operated laundry facilities are also available.
- Residence Housing is community oriented. A variety of programs are offered which encompass academic, personal, recreational and social development.
- A board package must be taken with Residence Housing. The minimum board package is a "starter" meal plan, designed to provide a light eater with two meals per day.

Cluster Housing
- Cluster Housing provides accommodation for 492 students in 132 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.
- Cable television, telephone and mainframe computer hook-ups are available.
- Cluster Housing is completely self-contained; no board package is required.
- These units are for students of second-year standing and above.

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

Applying for Campus Housing
Students apply for campus housing through the UVic Housing website. The electronic application form for entry in September 2006 is active on the Housing website. To apply, a student must have a UVic Student ID number.

New Year One students entering the University directly from high school are guaranteed an offer of on-campus accommodation up to June 30, 2006 provided they have:
- submitted an application to Housing
- paid the $20.00 Housing application fee
- been admitted to the University
- accepted the offer of admittance to UVic and paid the acceptance deposit of $200.00

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

Wait List
Once all rooms have been assigned, a wait list is created. As vacancies occur, assignments are made from this list. It is the applicant's responsibility to inform Housing Services of any change of address. Students must contact the Housing Office in late August in order to remain on the wait list.

Payment Procedure for Residence and Cluster Housing

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

Payment Due Dates
The remaining accommodation payments are due by the following dates:
- August 1 . . . . . . . balance of first-term fees
- November 1 . . . . $500 second-term deposit
- January 15 . . . . balance of second-term fees

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

Payment Procedure for Family Housing
To confirm acceptance of a family housing unit, students must sign a tenancy agreement, pay a damage deposit ($250) and provide a post-dated cheque for the first month's rent.

Rent is due on the last day of each month. Rental rates for the various types of accommodation will be confirmed at the time an offer of accommodation is made.

Moving In
Residence and cluster housing assignments are available from September 3, 2006. Accommodation before September 3 may be available under special circumstances. Written approval must be obtained from the Housing Office. Approved early arrivals are charged $25 per night for room only. In addition, early arrivals must accept a special contract to cover the early arrival period. Students who are unable to move in by the first day of classes must notify Housing Services in writing before that date or their housing assignment will be cancelled.

Summer Housing
Residence accommodation is available throughout the summer months (May-August) for students, families and visitors. Reservations are recommended for this "bed and breakfast" service. Contact Housing at (250) 721-8395 for rates and further details.

Accommodation for Parents and Visitors to the University
A limited number of full-service hotel-style suites are available throughout the year in Craigdarroch House. Contact the Housing Office at (250) 721-8395 for further details.

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

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

Interfaith Chaplains Service is a campus resource for UVic students interested in spiritual learning, practice, service and community. The Service is predicated on the conviction that active spirituality strengthens the student experience and contributes to wellness. We draw upon the resources of diverse spiritual traditions and foster a strong network of relationships that includes participation from Bahá’í, Buddhist, Christian, First Nations, Hindu, Jewish, Muslim, Sikh, Wiccan 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

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.

**Student Exchange Programs**

UVic has more than 100 active exchange programs in over 30 countries. Some exchanges are available to all students at the University; others are limited to students in particular programs.

Students interested in going on an exchange can check to see if their department and/or faculty has any exchange agreements. Students from some undergraduate faculties are also eligible to apply for an exchange through the International Exchange and Student (IESS) Office. Most IESS exchange partner universities offer courses in the areas of humanities, social sciences and science. To qualify for an exchange through the IESS Office, a student must be enrolled at UVic, must have completed at least one term, and must have a minimum cumulative GPA of at least 4.0. Important deadlines, application procedures for exchange including eligibility requirements are available at <www.iess.uvic.ca>. Students should also refer to Credits in Established International Exchange Programs, page 32 for more information on credit recognition from international exchange programs.

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

**RESOURCE CENTRE FOR STUDENTS WITH A DISABILITY**

Campus Services Building  
Hours: Mon-Fri 8:00-4:00  
Phone: 472-4947  
Web: <www.rcsd.uvic.ca>  
E-mail: inforcsd@uvic.ca

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

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

In order to ensure accommodation and support are in place, students with a disability should officially register with an adviser at the RCSD as soon as they have registered for classes. Students should be prepared to document their disability to the University if they have special class or examination needs.

**Student Affairs**

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

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

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

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

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

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

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

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

- UVSS Resource Centre—Students' Society Board offices; get information and pick up day-planners/handbooks and Studentsaver
- Food services: Health Food Bar, International Grill, Bean There coffee shop, Munchie Bar
- Felicia'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
- Peoples Pharmacy that also houses a Canada Post outlet
- On the Fringe Hair Design
- Travel Cuts
- Dr. Frank Van Gyn, Dentist

Also located in the SUB are the following important services:

**Native Students' Union**

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

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: access@uvss.uvic.ca

Access UVic! is the Advocacy Group of students with disabilities. We are a cross disability alliance working to represent the best interests of disabled students at the University of Victoria. Our commitment is to the removal of barriers to the full participation of students with disabilities in all aspects of university life. Access UVic actively promote the rights and dignity of all disabled people in society. To learn more, all interested students are invited to call or drop by our Disability Advocacy Centre on the main floor of the SUB.

**Students of Colour Collective**

Student Union Building B020  
Phone: (250) 472-4697  
E-mail: socc@uvss.uvic.ca
All students of colour are invited to become active in the Students and Women of Colour Collective. The constituency group represents all self-defined students of colour within the UVic community and is committed to the elimination of racial discrimination, anti-racist education and activism on campus while also providing support and resources. All students are welcome to drop by the office and find out how they can get involved.

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

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

**Ombudsperson**
Student Union Building B205  
Phone: (250) 721-8357  
E-mail: 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

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

**The Martlet**
Student Union Building B011  
Phone: (250) 721-8360  
E-mail: martlet@uvic.ca  
Web: <www.martlet.ca>

The Martlet is UVic’s student newspaper, 10,000 copies of which are available every Thursday on campus. The Martlet is written by students and is editorially and financially independent. Students interested in volunteering are invited to visit or call the Martlet Office.

**Vancouver Island Public Interest Research Group (VIP IRG)**
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, as well as operating a Research Internship Program that links student researchers to community groups with research needs. There are also a number of volunteer-driven, issue-based working groups working out of VIPIRG at any given time. Students interested in being part of any of these committees, or with ideas for one, are invited to visit or call the VIPIRG office.

**Graduate Students’ Society — Canadian Federation of Students Local 89**
Room 102 Grad Centre  
Phone: 472-4543  
E-mail: gsscomm@uvic.ca  
Web: <gss.uvic.ca>

All graduate students at the University of Victoria are members of the Graduate Students’ Society, which exists to represent the interests of the 2,200 plus graduate students and to address issues in the larger community that concern students. As active members of the Canadian Federation of Students (CFS Local 89), graduate students have a voice in the largest national student organization. The CFS works to build a high-quality system of post-secondary education that is accessible to all by lobbying, conducting research, mobilizing members and organizing campaigns.

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

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

**Canadian Forces University Training Plans**

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

The Reserve Entry Training Plan (RETP) is similar, but applicants attend Canadian Forces Military Colleges, paying their own tuition. Current tuition fees are approximately $5000 a year, but students are offered summer employment with the military to assist them in meeting tuition fees. RETP graduates have an obligation (moral)
to serve on a part-time basis with the Canadian Forces Primary Reserve if there is a unit available in their geographical area.

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 Ambassador 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:
• a grad welcome program
• an alumni benefits card (access to campus services and business discounts)
• affinity programs (group rates on home and life insurance, Mastercard, travel, etc.)
• the UVic OLC Network™ (mentor program, business card exchange and more)
• career services and programs
• Distinguished Alumni Awards
The UVic Alumni Association is incorporated under the Society Act of British Columbia and governed by an elected board of directors. The association encourages all alumni, regardless of location, to stay connected to their Alumni Association, to attend events, to volunteer, and to support their university. For more information on programs and volunteer opportunities, contact the Alumni Services Office.

Aboriginal Student Services

Aboriginal Liaison Officer
The Aboriginal Liaison Officer acts as the University’s major contact on academic and cultural matters with Aboriginal students, as well as with the wider Aboriginal community, particularly First Nations sponsors. Internal liaison activities include advice on academic programs to enhance participation and completion rates. The office is located in Sedgewick C188 (721-6326) adjacent to the Aboriginal Liaison Office Reading Room in C186 (e-mail: wmwhite@uvic.ca).
The office will assist students on academic, cultural and funding matters particularly related to First Nations sponsorship. A listing of various awards and bursaries is maintained and updated annually. The office will assist with the promotion and co-ordination of special events related to Aboriginal culture and traditions. The office maintains a contemporary resource reading room containing First Nations and provincial and federal government publications.

ABORIGINAL COUNSELING AND SUPPORT
Other counsellors serving Aboriginal students include:
• Aboriginal Counsellor (472-5119)
• Aboriginal Education Adviser and Coordinator, Faculty of Education (721-7853)
• Aboriginal Student Adviser, Faculty of Human and Social Development (721-6274)
• Director, Academic and Cultural Support Program, Faculty of Law (721-8185)

Native Student Union
The Native Student Union works towards empowering students to benefit from the technical and academic learning available at UVic while maintaining strong cultural and spiritual ties with other First Nations students involved in higher education. Activities include regular meetings, as well as social and cultural events.
The Native Student Union (472-4394) is located in the basement of the Student Union Building, B020.

Office of International Affairs
James P. Anglin, BA (Carleton), MSW (Brit. Col.), PhD (Leicester), Professor and Director
Sabine Schuerholz-Lehr, BA (BC Open University), MBA (University of London), Assistant Director
Heather Walsh, BA (Trent), Project Coordinator
The Office of International Affairs (OIA) represents the University internationally and facilitates and oversees UVic’s international activities and programs. It is also responsible for strategic planning at the University level in relation to all dimensions of internationalization, including the following: the curriculum; student services; student, faculty and staff mobility; and research and development projects. UVic seeks to be a Canadian leader in international education through implementing its commitment to creating a culturally diverse and student-centered community on campus and providing a wide range of international and cross-cultural experiential learning opportunities.
The OIA works closely with the President, Vice-Presidents, Deans, Chairs, academic and research units, the Offices of Research, External Relations, Admissions and Records, Graduate Studies, Student and Ancillary Services, International and Exchange Services, and related University departments to ensure a coordinated and proactive approach to international initiatives, both on and off campus.
The Office also liaises with external agencies—provincially, nationally and internationally—in order to link the University effectively with international developments and, where appropriate, directly initiate or participate in international initiatives.
Modest funds are available as seed money and matching grants to assist UVic students, staff and faculty with travel to participate in international activities.
The OIA also supports the negotiation of formal agreements with appropriate post-secondary institutions outside Canada and monitors the effectiveness of existing agreements. Agreements can focus on student, staff and faculty exchanges, on cooperation in developing curricula and distributed learning approaches, and on research and development collaborations.
The Assistant Director also serves as the International Liaison Officer (ILO) for the Canadian International Development Agency (CIDA) and other federal government departments, and facilitates funding proposals by faculty members to selected agencies supporting international research and development projects.
In addition to welcoming visitors from around the world, the OIA sponsors lectures, symposia and conferences pertaining to international issues. The Office website <oia.uvic.ca> is the prime communication vehicle for information about UVic’s international activities. It provides up-to-date information on international grant opportunities for students and faculty, information on international conferences in Canada and in other parts of the world on relevant topics, links to international research interests and areas of expertise of UVic faculty members, and other pertinent information on international programs and activities.
Undergraduate Information

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

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

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

Faculty of Education
- Bachelor of Education
- Bachelor of Arts
- Bachelor of Science
- Bachelor of Spanish
- 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 Art
- Master of Arts
- Master of Fine Arts
- Master of Music
- Doctor of Philosophy

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

Faculty of Human and Social Development
- Bachelor of Arts
- Bachelor of Science
- Bachelor of Science in Nursing
- Bachelor of Social Work
- Master of Arts
- Master of Nursing
- Master of Public Administration
- Master of Social Work

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

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

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

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

Diploma Programs
- Applied Linguistics
- Business Administration
- Canadian Studies
- Cultural Resource Management
- Fine Arts
- French Language
- Harvey Southam Diploma in Writing and Editing
- Humanities
- Intercultural Education and Training
- Local Government Management
- Public Sector Management
- Restoration of Natural Systems
- Teacher Librarianship

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

Professional Specialization Certificates
- Collections Management
- Cultural Sector Leadership
- Heritage Conservation Planning
- International Intellectual Property Law
- Local Government Management
- Performance Management
- Public Policy
- Public Services Management
- School Management and Leadership
- Teaching English as a Foreign Language
- Voluntary and Non-profit Sector Management

* See Division of Continuing Studies, page 214.
** See School of Public Administration, page 124.

Island Medical Program
- See Division of Medical Sciences, page 216.

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 admission requirements.

University’s Right to Limit Enrollment
The University does not guarantee that students who meet the minimum published 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 on page 22, 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 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 forwarded from the institution to Undergraduate Admissions.

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

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

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

Normally, grounds for appeal are limited to:
- significant physical affliction or psychological distress documented by a physician or other health care professional;
- evidence of serious misadvice or errors of administration by authorized University personnel, with evidence that the applicant’s studies were adversely affected;
- documented significant distress, or documented significant responsibility as a caregiver, as a result of an immediate member of the family suffering from a serious trauma or illness;
- Dissatisfaction with University regulations, or disagreements concerning the evaluation of admission eligibility (for example, calculation of Grade Point Average, evaluation of English proficiency) or failure to meet published deadlines that will not be considered grounds for appeal.

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

A student who has a marginal record upon admission to the University 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, 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 none of the subtest results below 60;
- University of Victoria University Admission Preparation Course (UAPC) with a score of 80% or higher;
- a score of Level 6 on the B.C. Language Proficiency Index (LPI);
- a score of 4 or higher (out of 5) on the Advanced Placement Exam in English Language and Composition;
- a score of 4 or higher on IB Higher Level English;
- Tests taken more than two years prior to application will not be considered.

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

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

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

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
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<tbody>
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<td><strong>Business</strong></td>
</tr>
<tr>
<td><strong>Education (including School of Physical Education)</strong></td>
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<tr>
<td><strong>Engineering</strong></td>
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<tr>
<td>Bachelor of Engineering</td>
</tr>
<tr>
<td>Bachelor of Software Engineering</td>
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<tr>
<td>Admission Cut-off</td>
</tr>
<tr>
<td>September 2005: 78%</td>
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<tr>
<td><strong>Computer Science</strong></td>
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<tr>
<td>Admission Cut-off</td>
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<tr>
<td>September 2005: 75%</td>
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<tr>
<td><strong>Fine Arts</strong></td>
</tr>
<tr>
<td>Admission Cut-off</td>
</tr>
<tr>
<td>September 2005:</td>
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<tr>
<td>- History in Art: 76%</td>
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<tr>
<td>- Writing: 84%</td>
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<tr>
<td>- Music, Theatre, Visual Arts: min 67%</td>
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<tr>
<td><strong>Human and Social Development</strong></td>
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<tr>
<td>(Health Information Science)</td>
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<tr>
<td>Admission Cut-off</td>
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<tr>
<td>September 2005: 75%</td>
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<tr>
<td><strong>Humanities</strong></td>
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<tr>
<td>Admission Cut-off</td>
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<tr>
<td>September 2005: 76%</td>
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<tr>
<td><strong>Law</strong></td>
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<tr>
<td><strong>Science</strong></td>
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<tr>
<td>Admission Cut-off</td>
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<tr>
<td>September 2005: 76%</td>
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<tr>
<td><strong>Social Sciences</strong></td>
</tr>
</tbody>
</table>

1. Graduation from a secondary school as prescribed by the British Columbia Ministry of Education (or equivalent).
2. The actual average required for Winter Session 2006-2007 may be higher than the minimum published average and may differ from the cut-offs shown above due to limits on enrollment.
faculty and department descriptions or Undergraduate Admissions for their regulations.

Applicants from Secondary School

1. British Columbia/Yukon

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

Students must have written provincial examinations in any subject they present for admission, if a provincial examination was available in the year in which they took the subject. Only one approved grade 12 course that did not require a provincial examination may be used for admission (e.g., Comparative Civilization 12, an approved locally developed course, or an approved AP or IB course).

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.

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

Approved Academic 12 Courses

- Applied Digital Communication 12
- Arabic 12
- BC First Nations Studies 12
- Biology 12
- Calculus 12
- Chemistry 12
- Comparative Civilizations 12
- Computer Programming 12
- English 12
- English Literature 12
- Farsi 12
- Français 12
- French 12
- Geography 12
- Geology 12
- Geometry 12
- German 12
- Heiltsuk 12
- History 12
- ICT: Applied Digital Communications 12
- ICT: Computer Programming 12
- Information Technology 12
- Italian 12
- Japanese 12
- Korean 12
- Latin 12
- Mandarin 12
- Nsilxcen (Okanagan Language) 12
- Physics 12
- Principles of Mathematics 12
- Punjabi 12
- Russian 12
- Secwepmctsin 12
- Shashishalhem 12
- Sim’al’gaxhi Nisga’a 12
- Sm’al’gax 12
- Spanish 12
- Upper S’at’aimcets 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
- Theatre Performance 12: Directing and Script Development
- Theatre Production 12

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

2. Expanded Qualifications

Each academic year, many more admission applications are received than can be accepted. Academic performance is the main criterion for admission and is used exclusively in the majority of cases.

However, the University recognizes that some candidates have other attributes that demonstrate an ability to succeed at university. To be considered for admission under this policy, applicants must complete the personal information profile for the faculty to which they are applying.

This admission category is available for the academic year 2006/07, in the Faculties of Humanities, Social Sciences, 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>.
UNDERGRADUATE INFORMATION

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, page 23.

4. Ontario
Applicants from Ontario who entered Grade 11 in September 2001 or later must have completed the Ontario Secondary School Diploma (OSSD), including a minimum of six grade 12 university or university/college courses (U/M) with an overall average of at least 67%, calculated on University English 12 and five additional university or university/college courses. Transfer credit will not be awarded for the university or university/college courses. Applicants require qualifications equivalent to those shown in the table for students from BC secondary schools.

Applicants from Ontario must have completed the Ontario Secondary School Diploma (OSSD), including a minimum of six Ontario Academic Courses (or grade 13 courses) with an overall average of at least 67% calculated on OAC English and five additional OACs. Transfer credit will not be awarded for the OACs. 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, page 23.

5. Quebec
Applicants must have completed one year of an approved program at a CEGEP with an overall grade average of at least 80. No transfer credit will be granted for courses used to qualify for admission to Year 1. Completion of grade 11 (Secondary 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 585 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 28 points. For transfer credit, see page 25.

8. Special Admission of Distinguished BC Secondary School Students
Distinguished BC senior secondary school students may apply for conditional admission to the University before they graduate if they meet the following criteria:
1. The student is recommended for admission by the secondary school principal.
2. The student has normally completed grade 10 and is maintaining a minimum 80% average in all academic subjects and a minimum 90% average in the field of study the student plans to undertake at the University. If the student is not currently able to take courses needed to prepare for the planned field of study, the school principal must make a special recommendation, in writing, stating the student’s particular aptitudes.
3. The University department(s) concerned support(s) the student’s application, which requires a personal interview with the department Chair(s).
4. The student is completing the full range of grade 11 and grade 12 courses required to gain normal admission to the University. If the student is currently in grade 10, then a list of expected grade 11 and 12 courses is required.
5. 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.
6. The University will grant credit towards a degree for courses successfully completed when the student is authorized to register in a degree program.

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

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

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

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

Enquiries regarding application deadlines, fees, course syllabus, sample examinations with solutions and related matters should be directed to:
Math Challenge 151
Department of Mathematics
Simon Fraser University

5. Quebec
Applicants must have completed one year of an approved program at a CEGEP with an overall grade average of at least 80. No transfer credit will be granted for courses used to qualify for admission to Year 1. Completion of grade 11 (Secondary V) is not sufficient for admission. 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, page 23.

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Enquiries regarding application deadlines, fees, course syllabus, sample examinations with solutions and related matters should be directed to:
Math Challenge 151
Department of Mathematics
Simon Fraser University

Burnaby BC V5A 1S6
Telephone: (604) 291-3332
Fax: (604) 291-4947

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

11. Applicants with College Board Advanced Placement Credits
Applicants who have passed the Advanced Placement examination in 1989 or later in selected subjects, with a grade of 4 or 5, will receive transfer credit. Refer to the BC Transfer Guide at <www.sbctransfersguide.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 has joined Queen’s University, Dalhousie University, the University of Toronto, the University of Western Ontario and McGill University to offer 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 <registrar.uvic.ca/undergrad/admissions/cts/ctusap.html>.

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

OTHER APPLICANT CATEGORIES
Special Access
The University of Victoria is interested in extending university-level learning opportunities to
residents of British Columbia who may not qualify under the regular categories of admission.

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

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

An applicant for admission under the Special Category must meet at least one of the following criteria:

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

The Senate Committee on Admission, Reregistration and Transfer selects candidates for admission in the Special category based on the criteria.

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

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

First Nations, Métis and Inuit

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

Applications from Aboriginal peoples of Canada who do not qualify under the other categories of admission will be considered on an individual basis by the Senate Committee on Admission, Reregistration and Transfer. The committee will consider each applicant's:

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

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

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

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.

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### Documentation Required for Admission

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current BC Secondary School Students</td>
<td>Applicants should apply by February 28 for early admission and designate UVic by completing the Post-Secondary Institution Choices form at their secondary school as a receiving institution for interim and final grades. The Ministry will send interim grades to the University in May, and final grades in August. The University will send a letter of permission to the student's home institution, indicating the session to which the permission applies. Applicants must arrange for course syllabi to be sent to Undergraduate Admissions showing all courses taken and confirming graduation, sent from the school at which the courses were taken.</td>
</tr>
<tr>
<td>Current Secondary School Students from Other Parts of Canada and the United States</td>
<td>Applicants should apply by February 28 for early admission and have their secondary school forward two official transcripts to Undergraduate Admissions showing all courses taken and confirming graduation. Applicants from Ontario are advised to apply via the Ontario Universities’ Application Centre and will not have to send transcripts from their schools.</td>
</tr>
<tr>
<td>All Secondary School Graduates</td>
<td>Applicants must have two official copies of their final transcripts, showing all courses taken and confirming graduation, sent from the secondary school or issuing institution to Undergraduate Admissions.</td>
</tr>
<tr>
<td>Expanded Qualifications</td>
<td>To be considered for admission under the Expanded Qualifications category, applicants must complete the personal information profile for the faculty to which they are applying. See Expanded Qualifications. Information concerning documentation is available on the website at &lt;registrar.uvic.ca&gt;.</td>
</tr>
<tr>
<td>Transfer Students</td>
<td>Applicants must have two official final transcripts of both secondary education and post-secondary education sent from the issuing institutions to Undergraduate Admissions.</td>
</tr>
<tr>
<td>International Transfer Students</td>
<td>In addition to official final transcripts as indicated above, applicants must arrange for course syllabi/outlines to be sent to Undergraduate Admissions.</td>
</tr>
<tr>
<td>Visiting Students</td>
<td>Visiting students must submit a Letter of Permission from their home institution, indicating the session to which the permission applies and, if possible, the courses to be taken. Visiting students must submit a new letter of permission prior to further registration.</td>
</tr>
<tr>
<td>Degree Holders</td>
<td>Applicants must have two official final transcripts of all post-secondary work, including proof of conferral of the degree, sent by the issuing institution to Undergraduate Admissions.</td>
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</tbody>
</table>
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 Admissions Liaison Officer regarding regulations specific to the School (see Minimum Degree Requirements, page 123.)

TRANSFER CREDIT

Transfer credit from BC community 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.

NOTE: TRANSFER APPICANTS TO THE FACULTY OF SCIENCE

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

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

NOTE: TRANSFER APPICANTS TO HEALTH INFORMATION SCIENCE

In addition to the requirements set out below, transfer applicants to Health Information Science must:

- meet the Year 1 requirements for admission to Health Information Science directly from secondary school, or
- have transfer credit for at least 12 units of courses, with a minimum overall average of B-

UNIVERSITIES AND COLLEGES

Applicants require successful completion of at least 12 units of transferable courses with a minimum overall average equivalent to C at UVic; the average is calculated from the grades for the most recent 12 units of university-level courses taken and includes repeated and failed courses. Applicants with less than 12 transferable units must have a minimum GPA of C on any post-secondary record, and meet the minimum requirements for admission to Year 1 (see page 22).

ASSOCIATE OF ARTS OR SCIENCE DEGREE FROM A BC POST-SECONDARY INSTITUTION

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

INSTITUTES OF TECHNOLOGY

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

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

ONTARIO COLLEGES OF APPLIED ARTS AND TECHNOLOGY (CAAT)

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

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

Applicants who have completed a three-year diploma program, with a minimum cumulative average of B, are eligible for consideration. Normally, up to 15.0 units of credit is granted upon admission.

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

CEGEPS

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

CANADIAN BIBLE COLLEGES

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

INTERNATIONAL BACCALAUREATE CREDITS

Applicants who have been granted admission based on the International Baccalaureate Diploma are normally eligible for 15 units (one academic year) of transfer credit. The diploma must contain at least three subjects at the Higher Level and three subjects at the Standard Level.

Subjects completed with a score less than 4* are not eligible for transfer credit.

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

*Some subjects require a higher grade; refer to the BC Transfer Guide <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 area of study or academic emphasis of the second degree must be distinct from that of the first degree.

Students who expect to apply courses towards a second degree should check with the Dean or advising centre of the faculty at least two months before graduating from their first degree program to confirm that they will be able to include these courses in their second degree program. Students can apply for admission to a second bachelor's degree by the usual procedure for admission or reregistration, as appropriate. Students currently enrolled in their first bachelor's degree program should make application to the Dean of the appropriate faculty.

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

VISITING STUDENTS

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

The Letter of Permission must be sent directly by the home institution to Undergraduate Admissions. The letter must include the session for which permission is given and the specific courses to be taken. Transcripts may be required as determined by Undergraduate Admissions. Visiting students whose first language is not English must meet the requirements on page 21.

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/specific faculty and department requirements and the transferability of courses.

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

For a comprehensive listing of country-specific International Admission Requirements, please visit: registrar.uvic.ca >.

Argentina: Bachillerato Especializado in an academic program

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

Bahrain: Tawjihataka/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;

Bolivia: Bachillerato

Brazil: Certificado de Ensino Médio/Concurso Vestibular (University Entrance Exam)

Chile: Licencia de Educación Media + Prueba de Aptitud Académica (PAA)

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

Colombia: First-year standing in a recognized university or excellent results on secondary school graduation qualifications

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

Denmark: Studenterskemat/Hjore Forberedelseseksamen

Ecuador: Bachillerato

France: Baccalauréat de l’Enseignement du Second Degré

Germany: Abitur/Reifezeugnis/Zeugnis der Allgemein Hochschulreife


Hong Kong: Hong Kong Advanced Level Examination/Higher Certificate (HKALE) withstanding in at least five subjects 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 CICSE)/Higher Secondary School Certificate (awarded by State boards)

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

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

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

Iran: Diploma Metevanetash/National High School Diploma and pre-university certificate

Iraq: Sixth Form Baccalauréat (Adadiyah)

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

Italy: Diploma di Esame di Stato

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

Jordan: Tawjihata (General Secondary Education Certificate)

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 Kondu Hakkbyo Choeupsang (Academic Upper Secondary School Certificate). College Scholaristic Aptitude Test may be required

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

Malaysia: Sijil Tinggi Persekolahkan Malaysia (STPM); MICSS Unified Examination Certificate (UEC); see also United Kingdom and Commonwealth

Mexico: Bachillerato

Nepal: Higher Secondary Certificate

Netherlands: VWO (Voorbereidend Wetenschappelijk Onderwijs) Certificate

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

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 Artnum

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 Srednem Obrazovanii/Attestat o Srednem (polnom) Oboshchem Obrazovanii after 1991, with very good results overall in appropriate subjects.

Saudi Arabia: Tawjihihata (General Secondary Education Certificate)

Scotland: Scottish Certificate of Education at the Higher Level (4 subjects); see also United Kingdom and Commonwealth

Singapore: Singapore/Cambridge G.C.E. Ordinary and Advanced Level Examinations; see also United Kingdom and Commonwealth

South Africa: Senior Certificate with matriculation endorsement. Minimum of five subjects,
Returning Students Reregistration

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

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

Continuing Students

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

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

Other Returning Students

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

Students who have registered at another university or college since attending UVic are required to state the names of all post-secondary educational institutions attended (including withdrawals, incomplete and failed studies) and to submit official transcripts of their academic records at these institutions by the due date shown on page 8. Failure to disclose attendance or to submit a transcript in a timely manner will result in a penalty (see official transcript). 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 37.

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

Reeregistration Following Required Withdrawal

Students who have been required to withdraw from UVic in the past because of unsatisfactory progress or standing and who wish to be considered for reregistration must submit an Application for Reregistration. Students who are required to withdraw or denied reregistration will not be permitted to register until they have met the conditions outlined in Minimum Sessional Grade Point Average and Academic Standing, page 37. Students who have not met the conditions for reregistration but who do not meet the criteria to appeal (see Appealing Admission/Reregistration Decisions, page 21) may submit a letter of appeal to the Senate Committee on Admission, Reregistration and Transfer. Grounds for appeal to the Committee are limited. Letters should be sent to the Senate Committee on Admission, Reregistration and Transfer, c/o Records Officer, Undergraduate Records. The Committee’s decision regarding the student’s application is subject to review by the Senate Committee on Appeals only on the grounds of specific procedural error (see Appealing Admission/Reregistration Decisions, page 21).

Students Writing Deferred Examinations

If the results of deferred examinations affect the standing of a student, an Authorization to Reregister may be withheld until grades are available, depending upon the student’s academic status.

Appealing Reregistration Decisions

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

Undergraduate Registration

Information on how to register and 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 an e-mail or printed Authorization to Reregister, will be informed about the procedures for registration.
- Letters of Admission or Authorizations to Reregister are valid only for the term and session to which they apply.
- Students who are required to withdraw or denied 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 37, 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

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 more than seven years ago must consult the appropriate departments to ensure they do not duplicate courses that now have a different number.

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

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

**Adding and Dropping Courses**
The regulations for adding and dropping courses are stated in the appropriate Registration Guide or at <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 38.)

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

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

A student must have completed, or be registered in, at least 6 units of course work at Uvic to be eligible for a Letter of Permission to take courses elsewhere. Note: Transfer credit is assigned upon receipt of an official transcript from the institution visited; no letter grades are recognized or assigned.

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

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

**Registration in Graduate Courses by Undergraduates**
See the Uvic Graduate Calendar for information.

**UNDERGRADUATE ENGLISH REQUIREMENT**
All undergraduate students, including diploma, certificate and unclassified students, must complete 1.5 units of first-year English (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 any provincial Grade 12 English examination or Grade 12 U English (Ontario) or in OAC English within the three years prior to admission.

**2006-07 UVIC CALENDAR**
- a score of Level 6 on the Language Proficiency Index (LPI)
- a score of 4 or higher (out of 5) 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 34, 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>

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

**Placement following the LPI**

- LPI Level 1 or 2
- LPI Level 3
- LPI Level 4
- LPI Level 5
- LPI Level 6

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

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

Placement in English 099

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

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

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

Deadline for Completing the English Requirement

Students who are NOT exempt from the English requirement must register in 1.5 units of English before completing 30 units of credit. Students who fail to complete the requirement before completing 30 units of credit must meet the requirement in the next session they attend. Students who were initially placed in LING 099 or ENGL 099 must complete the required 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 Supplement to this Calendar.

Preparing for Future Studies Outside UVic

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

The University offers first-year courses in Humanities, Science and Social Sciences that will prepare students to enter the first year of Forestry, and the second year of Agriculture, Physical Education or Pharmacy at certain other universities. Students can also prepare for studies elsewhere in Medicine, Dentistry, Architecture, and other professions.

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

### Professional Studies Suggested Preparation

<table>
<thead>
<tr>
<th>Field</th>
<th>First-year studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>Biology, Chemistry, English, Mathematics, Physics or Economics</td>
</tr>
<tr>
<td>Applied Science</td>
<td>Chemistry, Computer Science, English, Mathematics, Physics</td>
</tr>
<tr>
<td>Architecture</td>
<td>Art, English, History in Art, Mathematics, Physics, Social Sciences</td>
</tr>
<tr>
<td>Chiropractic</td>
<td>Biology, Chemistry, Human Anatomy, Human Physiology, Mathematics (recommended), Physics (recommended), Psychology</td>
</tr>
<tr>
<td>Commerce And Business Admin</td>
<td>Economics, English, Mathematics, Computer Science, Biology, Chemistry, English, Human Anatomy, Human Physiology, Mathematics, Physics, Biochemistry</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Biology, Chemistry, English, Human Anatomy, Human Physiology, Mathematics, Physics, Biochemistry</td>
</tr>
<tr>
<td>Family and Nutritional Sciences</td>
<td>Biology, Chemistry, English, Human Anatomy, Human Physiology, Mathematics (Human Nutrition, Dietetics), Physics (Human Nutrition), Social Science (Family Sciences, Home Economics, Dietetics)</td>
</tr>
<tr>
<td>Forestry Biology</td>
<td>Chemistry, English, Mathematics, Physics</td>
</tr>
<tr>
<td>Medicine</td>
<td>Biology, Chemistry, English, Human Anatomy</td>
</tr>
</tbody>
</table>
Students who are absent because of illness, an accident or family affliction should report to their instructors on their return to classes.

**COURSE LOAD**

**Minimum Course Load**

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

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

**Maximum Course Load**

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

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

**Final Year Studies**

Normally, a student should complete the final 15 units of courses at the University of Victoria. A student may, however, take the final year of study at another university, subject to the regulations mentioned under Graduation, page 38, and with the prior consent of the Dean of the faculty concerned.

Students who are unclassified or have non-degree status may not challenge a course.

**Credit by Course Challenge**

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

Course challenge is not offered by all departments. Where it is offered, the following regulations apply:

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.

A student who receives credit in a course at one level may not challenge its prerequisite in the same subject.

A specific course may be challenged only once.

The result of the course challenge examination or assessment will be entered on the student's academic record. Whether credit for a 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.

Final Year Studies

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.

**Undergraduate Academic Regulations**

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

**ATTENDANCE**

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

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

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

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

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

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.
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 must 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. The transcript will also indicate that the student attended the University. A student who fails to do so will normally be refused permission to register again in the required course.

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

A student who fails any course in a program that may lead to graduation, a diploma or certificate, the student, with the approval of the faculty, may elect to be governed by the new regulations.

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 24). The program allows UVic students to study abroad while receiving credit toward their UVic program. Upper-year students may choose from a number of interdisciplinary programs, including Fine Arts, Languages, Humanities, Social Sciences, Business and Law.

All current UVic students are eligible to apply to CUSAP up to 15 students may be selected from UVic each year. Applications must be received by the following dates:
- March 1 for Spring 2006 (May-June)
- March 12 for Summer 2006 (June-July)
- June 7 for September 2006
- October 15 for January 2007
- February 28, 2007 for Spring 2007 (May-June)

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

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

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

REPEATING COURSES
This regulation applies to students in all courses except Law, Bachelor of Engineering and Bachelor of Software Engineering courses.

A student who fails a required course must repeat the course or complete an acceptable substitute within the next two sessions. A student attending the University 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, the original grade remains on the student's record during the session in which it is taken.

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 satisfies that the new program requirements will extend the length of time (number of terms) that the student requires to complete her or his current program within the faculty.
4. An academic unit has no obligation to provide access to courses necessary to satisfy previous program requirements or to provide transitional programs for more than five years after the date of the program change.
5. Where a student believes that a program requirement change has unfairly prejudiced her or him due to special circumstances, and that these regulations do not apply to the student's situation, the student may request the Chair or 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.

1. In some faculties (particularly Education), accreditation requirements may not permit a change in regulations midway through a student's program.
2. The change to five years reflects the number of years some faculties allow to complete their degree program.
3. Because it is impossible to foresee all situations in which unfairness may arise (for example, a student transferring in with advanced standing from a program affiliated with a UVic program), this general regulation will allow for special circumstances.

Policy on Academic Integrity
Academic integrity requires commitment to the values of honesty, trust, fairness, respect, and responsibility. It is expected that students, faculty members and staff at the University of Victoria, as members of an intellectual community, will adhere to these ethical values in all activities related to learning, teaching, research and service. Any action that contravenes this standard, including misrepresentation, falsification or deception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community. The following policies and procedures are designed to ensure that the University's standards are upheld in a fair and transparent fashion.
In this regulation, "work" is defined as including the following: written material, laboratory and computer work, musical or art works, oral reports, audiovisual or taped presentations, lesson plans and material in any medium submitted to an instructor for grading purposes. Violations of academic integrity covered by this policy can take a number of forms, including the following:

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

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

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

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

**Falsifying Materials Subject to Academic Evaluation**
Falsifying materials subject to academic evaluation includes, but is not limited to:
- fraudulently manipulating laboratory processes, electronic data or research data in order to achieve desired results
- using work prepared by someone else (e.g., commercially prepared essays) and submitting it as one's own
- citing a source from which material was not obtained
- using a quoted reference from a non-original source while implying reference to the original source
- submitting false records, information or data, in writing or orally

**Cheating on Assignments, Tests and Examinations**
Cheating includes, but is not limited to:
- copying the answers or other work of another person
- sharing information or answers when doing take-home assignments, tests and examinations except where the instructor has authorized collaborative work
- having in an examination or test any materials or equipment other than those authorized by the examiners
- impersonating a candidate on an examination or test, or being assigned the results of such impersonation

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Cheating on Exams**
Any instance of impersonation of a candidate during an exam should result in a grade of F for the course for the student being impersonated, and disciplinary probation for the impersonator (if he or she is a student). Isolated instances of copying the work of another student during an exam should result in a grade of zero for the exam. Systematic copying of the work of another student (or any other person with access to the exam questions) should result in a grade of F for the course.

Any instance of bringing unauthorized material (e.g., crib sheets, written notes on body or clothing) into an exam should result in a
grade 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 a substantial part of the assignment should result in a grade of F for the course.

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

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

b) Instances of plagiarism or falsification of materials that affect a major part of the student's thesis should result in a 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 37.)

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

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

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

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

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

- Final examinations, other than language orals or laboratory examinations, will be administered during formal examination periods.
- Tests counting for more than 15% of the final grade may not be administered:
  - in any regular 13-week term, during the last two weeks of classes or in the period between the last day of classes and the first day of examinations
  - in any Summer Studies course, during the three class days preceding the last day of the course.

Neither the department nor the instructor, even with the apparent consent of the class, may set aside this regulation.

- An instructor may not schedule any test that conflicts with the students' other courses or any examination that conflicts with the students' other examinations in the official examination timetable.

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

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

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

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

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

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

**Laboratory Work**

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

**Term Assignments and Debarment from Examinations**

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

**ACADEMIC CONCESSIONS**

A student who is affected by illness, accident or family affliction should immediately consult with Counselling Services, University Health Services or another health professional. In such cases, the student may apply for an academic concession. Applications must be accompanied by supporting documentation in all cases. An academic concession may be:

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

Students may request, directly from the course instructor, deferral or substitution of a mid-term test/examination or of other work which is due during the term. Arrangements to complete such missed or late work must be made between the student and the instructor. If the request for deferral or substitution of term work is denied, the student may appeal as described under Appeals, page 39. If the due date for the deferred work is beyond the end of the term, the student must submit a Request for Academic Concession to Undergraduate Records (see Deferred Status, below).

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

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

Students who complete all course requirements, including writing the final examination, are not eligible for an academic concession. Exceptions may only be considered by the Dean (or designate) of the student's faculty if there is supporting documentation that the student was not medically or otherwise fit to make a decision on whether or not to write the examination. A Request for Academic Concession must be submitted to Undergraduate Records as soon as possible after the examination and before the results of the examination are known.

**EXAMINATIONS**

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

**Regulations Governing Administration of University Examinations**

- Candidates may not enter the examination room until invited to do so by the invigilator in charge.
- Candidates may not enter the examination room after the expiration of one half hour, nor leave during the first half hour of an examination.
- Candidates may not use any books or papers other than those provided by the invigilators or authorized by the instructor in charge of the course.
- Candidates may not communicate in any way with each other. Candidates are not permitted to ask questions of the invigilator, except in cases of supposed errors in the papers.
- A candidate who believes there is an error in a paper should report it immediately to the invigilator and, after the examination, report the error in writing to Undergraduate Records. If there are other reasons for complaint, the candidate should communicate with that office within 24 hours.
- Candidates may not leave the examination room without first delivering their examination booklets to the invigilator.
- Candidates are advised not to write extraneous material in examination booklets.
- Candidates who wish to speak to the invigilator should raise their hand or rise in their place.
- Candidates may be called upon by an invigilator to produce a UVic Identity Card.
- Candidates leaving or entering examination rooms should do so quietly in order not to disturb others. Having left the examination room, candidates are asked not to gather in adjacent corridors, lest they disturb candidates who are still writing.
- Candidates who fall ill during an examination should report at once to the invigilator.

**Deferred Status**

- A student who becomes ill during an examination or misses an examination because of illness, an accident or family affliction may be eligible for a deferred examination.
- A student may also apply for deferred status to complete required term work.
- A student must apply for Deferred (DEF) status or Aegrotat (AEG) status by completing a Request for Academic Concession to Undergraduate Records normally within ten working days of the end of the examination period. Supporting documentation must accompany the request.
- Undergraduate Records will ask the instructor concerned to consider the request. If deferred status is not granted, the instructor will submit a final grade. In cases where the instructor does not give a deferred examination but assigns a final grade based on an assessment of the student's performance on the course work, the grade will appear on the student's record with the notation AEG (see Grading, page 36).
- If deferred status is granted, any required course work (including exams) must be completed by the end of the following term.
- Courses ending in December must be completed by April.
- Courses ending in April must be completed by August.
- Summer Studies courses must be completed by December.
- Deferred status may be extended beyond the above deadlines only in exceptional circumstances and only with the written permission of the Dean (or designate) of the student's faculty.
- For courses that finish in December and are prerequisite to courses starting in January, deferred final examinations are normally held by the end of the first two weeks in January. For courses that finish in December and are also offered in the second term, deferred final examinations are normally given in April, and for courses that finish in April, deferred final examinations scheduled by Undergraduate Records are normally held the last three (3) working days of July. Students will be notified by e-mail of the date of their deferred examination by Undergraduate Records.
- If the deferred examination is not to be handled through the department, arrangements will be made through Undergraduate Records. Undergraduate Records will send an e-mail regarding deferred examinations, with a link to the deferred examination application. The student must fill out the application and return it to Undergraduate Records, accompanied by the necessary fees, by the end of the third week in June. Also, the application to write a deferred exam is accessible at <registrar.uvic.ca/undergrad/records/forms/forms.html>.

**2006-07 UVIC CALENDAR**

- Candidates who fall ill or suffer an accident or family affliction before an examination should report the circumstances immediately to Undergraduate Records and submit a Request for Academic Concession.
- In cases of extreme misconduct, invigilators are empowered to expel candidates from an examination room. Under such circumstances, candidates may be required to withdraw from the University following an investigation of circumstances surrounding the misconduct.
UNDERGRADUATE INFORMATION

- Deferred examinations organized through Undergraduate Records may be written at the University as well as at various centres inside and outside British Columbia (locations are normally restricted to universities or colleges).
- The fee for each off-campus deferred exam is $60.00. There is no fee for deferred exams written on-campus.
- Students in the BEng program should consult their faculty regulations with respect to the timing of deferred exams.
- Instructors and departments also may schedule deferred final examinations by direct arrangement with the student. Students should contact the department(s) concerned regarding the status of their deferral(s).
- Upon approval of deferred standing (DEF), students in their graduating year must contact the Records Officer for their faculty (c/o Undergraduate Records) immediately to discuss the timing of the final grade(s) submission in relation to the dates of Faculty degree approval and their graduation eligibility.
- 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 36. Students are allowed to purchase a photocopy of their own final examination answer papers and, unless withheld by the instructor, access to the final examination questions.

Undergraduate Supplemental Examinations

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

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

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

- Students may apply to write a supplemental examination in a course only if they have written a final examination and have received a final grade of E in the course.
- Students taking 15 or more units in the Winter Session will be granted supplemental examinations only if they have passed at least 12 units of courses in that session. The maximum number of units of supplemental examinations allowed is normally 3. However, the Dean of the student’s faculty may authorize supplemental examinations in an additional 3 units if the student will complete a degree by passing all the supplemental examinations granted.
- Students enrolled in Summer Studies courses or taking fewer than 15 units in the Winter Session may be granted supplemental examinations for no more than 3 units; each case will be judged on the basis of the student’s overall standing by the Dean of the student’s faculty.
- A student in the final year of a degree program who obtains a failing grade in a supplemental examination may be granted a second such examination, at the discretion of the Dean of the student's faculty, if a passing grade in the second examination will complete the student’s degree requirements.
- A student who obtains a grade of E in a course completed in December may, if eligible, either repeat the course in the second term if it is offered or write a supplemental examination in late July.
- Any passing grade obtained on a supplemental examination will be shown in the student's academic record with a grade point value of 1, corresponding to a D, and will be taken into account in determining the student’s graduating average and standing at graduation, but will not affect the student’s sessional Grade Point Average.
- Supplemental examinations cover only the course work covered by written final examinations. If there was no written final examination in the course, or if a passing grade in a supplemental examination will not yield an overall passing grade in the course, a supplemental examination will not be granted.
- 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 June.
- 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 normally restricted to universities or colleges).
- The fee for each supplemental examination is $50 on campus and $60 off campus.

Grading

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

Numerical Scores

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

Release of Grades

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

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

Students’ grades are available at the Undergraduate Records WebView website: <registrar.uvic.ca>.

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

Review of an Assigned Grade

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

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

Before applying for a formal review of a grade as outlined below, students should make every effort to discuss and/or submit a written appeal about the assigned grade with the instructor (see individual faculty procedures).

If the instructor or Chair/Director does not agree to a review of the grade, then a formal request for review of a grade, including the grade review fee of $25, may be submitted to Undergraduate Records, normally within 21 days of the release of grades.

Students must keep all written work returned to them by the instructor during the term and make any work available that forms part of the grade to be reviewed. Undergraduate Records will make available completed final examinations when necessary.
Students considering a review request should prepare for the examination in case a change in grade is not available before the time of the supplemental examination.

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

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.

THE GRADING SYSTEM

Undergraduate Grading

<table>
<thead>
<tr>
<th>Passing Grades</th>
<th>Grade Point Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>9</td>
<td>Exceptional, outstanding and excellent performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.</td>
</tr>
<tr>
<td>A</td>
<td>8</td>
<td>Very good, good and solid performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.</td>
</tr>
<tr>
<td>A-</td>
<td>7</td>
<td>Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of the subject matter.</td>
</tr>
<tr>
<td>B+</td>
<td>6</td>
<td>Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.</td>
</tr>
<tr>
<td>B</td>
<td>5</td>
<td>Conditional supplemental.</td>
</tr>
<tr>
<td>B-</td>
<td>4</td>
<td>Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.</td>
</tr>
<tr>
<td>C+</td>
<td>3</td>
<td>Did not write examination or complete course requirements by the end of term or session; no supplemental.</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>N/A Did not write examination or complete course requirements by the end of term or session; no supplemental.</td>
</tr>
</tbody>
</table>

Failing Grades

<table>
<thead>
<tr>
<th>Grade Point Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>Aegrotat. Transcript notation accompanying a letter grade, assigned where documented illness or similar affliction affected the student's performance or prevented completion of all course work.</td>
</tr>
<tr>
<td>F</td>
<td>Aegrotat. Transcript notation accompanying a letter grade, assigned where documented illness or similar affliction affected the student’s performance or prevented completion of all course work.</td>
</tr>
<tr>
<td>N</td>
<td>Used only when deferred status has been granted. Used only when deferred status has been granted because of illness, an accident or family affliction. See Deferred Status, page 33.</td>
</tr>
</tbody>
</table>

Temporary Grades

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

Requirements for Review

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

Grades for Term Work

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

TRANSCRIPT OF ACADEMIC RECORD

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

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

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

STANDING

Sessional Grade Point Average

The sessional Grade Point Average is based on all courses completed in a session which have a unit value. Courses bearing the grade COM are not included in the calculation of the Grade Point Average.

(A Grade Point Average is found by multiplying the grade point value of each final grade by the number of units, totalling the grade points for all the grades, and dividing the total Grade Points by the total number of units.)

Cumulative Grade Point Average

The cumulative Grade Point Average, which normally appears at the end of a transcript, is based on all courses (other than COM-designated courses) taken or challenged at the University for which grades have been assigned (including F and N). If a student takes courses beyond a first undergraduate degree, or transfers to the LLB program, a further cumulative Grade Point Average will be calculated excluding those courses completed prior to the granting of the first degree or entry to the LLB program.

Minimum Sessional Grade Point Average and Academic Standing

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

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

University Probationary Status

Students registered in 4.5 units or more whose sessional Grade Point Average is 1.00 to 1.99 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.
Undergraduate Records will notify students that they have been placed on probation through the addition of a notation to their academic record. Students on probation should contact the appropriate Advising Centre or Counselling Services for assistance, or take the Learning Skills Course or other workshops offered by Counselling Services. Students who are on academic probation and who achieve a sessional Grade Point Average of 2.0 or above at UVic will clear their probation status at the end of the session, except as noted below.

Students registered in less than 4.5 units in a session whose Grade Point Average is less than 1.0 (or equivalent if a UVic student takes courses elsewhere for credit towards a UVic program) will be placed on probation for the next session attended rather than being required to withdraw. Under these circumstances, a student who is placed on probation and who then obtains a Grade Point Average of 2.0 or greater in the next session will not be taken off probation automatically. The Dean of the faculty concerned will review the student's record. The student will be informed of the Dean's decision. Depending upon a student's performance during the period of probation, the Dean may at any time either remove the student from probation for the remainder of the session or, acting on a decision of the faculty, require that the student withdraw from the University (see Withdrawal, below).

Students who are on probation, or whose standing is withheld, in their most recent session because of deferred status, are not eligible for 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, was determined to be above the minimum by the faculty concerned, the student will be authorized. The projected Grade Point Average is calculated at the end of the session when the deferred standing is assigned. The projected Grade Point Average does not appear on a student's academic record.

**Requirement to Withdraw from the University**

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

Students registered in 4.5 units or more in a session whose Grade Point Average is less than 1.0 (or equivalent if a UVic student takes courses elsewhere for credit towards a UVic program) will be required to withdraw, normally for one academic year. If a student has started Summer Studies courses before receiving notice of unsatisfactory standing in Winter Session, registration for those courses 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 Transfer, stating why they should be considered for reregistration.

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

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

**Accumulation of Failing Grades**

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

**Withdrawal**

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

**Withdrawal for Unsatisfactory Progress**

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

**Voluntary Withdrawal**

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

Note: A sessional Grade Point Average and academic standing are assigned at the end of the session and are based on final grades awarded (including N grades) in the session or term attended. Please see the calendar entry Minimum Sessional Grade Point Average and Academic Standing, page 37, for information regarding minimum sessional Grade Point Average standards.

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

**Graduation Application for Graduation**

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

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

**Minimum Degree Requirements for Graduation**

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

- to 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 in 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 123)
- 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 in 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 123)
- 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:

1. The course instructor;
2. The Chair of the department;
3. The Dean of the faculty;
4. The Senate.

In addition, the student may wish to consult the UVSS Ombudsperson (see page 16). A student seeking a formal review of an assigned grade should consult the regulations on page 36.

**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 it has been tendered at the original hearing there is a substantial probability that it may have affected the outcome.

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

8. Annual Report to Senate

a) The Chair of the Committee shall make an annual report to Senate in May containing the following information:

(i) the number of appeals that have been heard and decided since the last report to Senate;

(ii) a summary of each appeal that has been decided, prepared in a manner that is not likely to disclose the identity of the Appellant, the Respondent or individual instructors, and that includes:

- the decision, act or treatment that was the subject of the appeal,
- the grounds or reasons for the appeal,
- the remedy or relief sought by the Appellant,
- the disposition of the appeal by the Hearing Panel; and

(iii) the number of appeals that are pending where no decision has been rendered.

b) If the Hearing Panel or the Committee has found any University regulation or procedure that appears to need revision, the annual report of the Standing Committee on Appeals may recommend appropriate action.

Petitions

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

Undergraduate Tuition and Other Fees

Students, parents and sponsors are advised that the following tuition fees have been approved by the Board of Governors for the 2006-2007 academic year. Please note, however, that ancillary fees may still change.

General Regulations

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

Student Responsibilities

- Students become responsible for their course or program fees upon registration. These fees may be adjusted only if a student officially drops courses, withdraws, cancels registration or changes status.

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

- Students selected 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 31.

Fee Accounts

The fees for a term comprise:

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

Statements of account are not mailed to students. Students may view their account balances at <registrar.uvic.ca> after selecting WebView. Students adding or dropping courses should allow 24 hours for accounts to be updated.

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

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

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

Payment Due Dates

Fees are due by the following dates:

<table>
<thead>
<tr>
<th>Term</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>First term</td>
<td>September 30</td>
</tr>
<tr>
<td>Second term</td>
<td>January 31</td>
</tr>
</tbody>
</table>

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

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

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

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

Making Payments

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

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

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

University of Victoria
Accounting Services
Box 3040 STN CSC
Victoria BC V8W 3N7

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

Tuition receipts (T2202As) are issued in February. Tuition receipts are mailed to students by the end of February. The notices for adding courses on campus at that date. Notices for adding courses on campus at that date. Notices for year courses:

For first-term courses and the first half of full-year courses, deposits are not refundable.

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

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

Duration | 100% reduction | 50% reduction
---|---|---
1-5 days | N/A | N/A
6-14 | first 1 day | N/A
15-31 | first 5 days | N/A
32-62 | first 7 days | next 7 days
63 or more | first 14 days | next 21 days

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.

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.

Students should ensure that their student number and the session (e.g., 2006W) are written on the face of their cheque.

Overdue accounts

A service charge of 1.5%, annualized at 19.6% (minimum $2.00), is added to accounts not paid by their due date, at each month end.

Students with overdue tuition or other accounts may be denied services, including: registration; the addition of courses through web registration; the use of libraries and athletic and recreation facilities; access to classes and examinations; and receipt of loans, awards, grades, transcripts, degrees and documents certifying enrollment or registration 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 19: 100%
- October 10: 50%

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

On or before:
- January 16: 100%
- February 6: 50%
FEES FOR UNDERGRADUATE PROGRAMS

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

Acceptance Deposit
Undergraduate students admitted for the first time to take credit courses must pay an acceptance deposit of $200.00 to Accounting Services 24 hours before gaining access to the web registration system. This deposit is payable regardless of any loan, scholarship or sponsorship arrangements. It is applied to the student's fee account, but is forfeited if the student withdraws. If the deposit payment is returned NSF, the student's registration will be cancelled.

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

Undergraduate Tuition (except Faculties of Law, Business and Engineering)
Per credit unit
- Domestic ...........................................$294.10
- International ....................................$951.60
Course challenge: per credit unit
- Domestic ...........................................$147.05
- International ....................................$475.80
Co-op program, per work term
- Domestic ...........................................$612.00
- International ....................................$201.39
- International, 0.5 credit unit ...........................$386.50
- International, 1.5 credit units ...........................$1020.00
- International, 3.0 credit units ...........................$1965.58-2934.87
Cultural Resource Management Program
HA 488 and HA 489 (1.5 credit units) .....................................$550.00
1. May be waived for students who have completed a non-credit diploma program and paid equivalent credit program fees; students should apply to Continuing Studies.

LaW Tuition
Full time, per term
- Domestic ...........................................$3860.50
- International ....................................$10266.70
Part time, per credit unit
- Domestic .............................................$514.50
- International ....................................$1368.90
Co-op program, per work term
- Domestic ...........................................$575.90
- International ....................................$1928.90
Other fees:
- Application fee .....................................$50.00
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

Business Tuition
0.5 credit units
- Domestic ............................................$201.39
- International .....................................$617.87
1.5 credit units
- Domestic ............................................$604.18
- International .....................................$1853.60
2.0 credit units
- Domestic ............................................$805.57
- International .....................................$2471.47
3.0 credit units
- Domestic ............................................$1208.35
- International .....................................$3707.21

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 ............................................$489.15
- International .....................................$1541.30
ELEC 395, ENGR 446 (1.0 credit unit)
- Domestic ............................................$323.47
- International .....................................$1046.83
CSC 390 (6.0-7.5 credit units)
- Domestic ............................................$1913.52-2391.90
- International .....................................$5859.09-7323.85
ENGR 390 (6.0-9.0 credit units)
- Domestic .............................................$1965.58-2934.87
- International .....................................$6165.18-9247.78

UVic Students’ Society Student Extended Health and Dental Plans
The UVSS provides a mandatory extended health plan for undergraduate students, which was approved by student referendum in 1999. The U-Pass fee is $56.00 per term. U-Pass gives students unlimited access to all Greater Victoria BC Transit buses and HandyDart services at all times and on all days.

The following students only are exempt from the U-Pass plan:
- students who are registered solely in distance education programs
- students with a BC Bus Pass
- students with mobility disabilities which prevent them from using BC Transit or HandyDart services
- students taking both Camosun College and UVic courses

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

Other Undergraduate Fees
UVic Students’ Society Student Extended Health and Dental Plans
The UVSS provides a mandatory bus pass plan for all undergraduate and graduate students. U-Pass was approved by student referendum in 1999.

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

The following students only are exempt from the U-Pass plan:
- students who are registered solely in distance education programs
- students with a BC Bus Pass
- students with mobility disabilities which prevent them from using BC Transit or HandyDart services
- students taking both Camosun College and UVic courses

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

Other Undergraduate Fees
UVic Students’ Society fees:
- Students taking on-campus courses, per term:
  - activity fees .....................................$52.02
  - building fund ....................................$13.00
  - Athletics and Recreation fees 1 .....................$68.00
  - Education Students’ Association 2 .................$7.50
  - Engineering Students’ Society 3 .....................$30.00
  - Commerce Students’ Society 4 .....................$25.00
  - U-Pass, per term .....................................$56.00

Students applying to graduate:
- Graduation fee .....................................$30.00
- UVic Students’ Society graduating class fee ...........$10.00
- UVSS Extended Health 5 .........................$120.00
- UVSS Dental ......................................$118.20

1. Students registered in less than 4.5 units pay half this amount.
2. Students may request a refund of the EdSA fee by applying to the EdSA Executive during the first two weeks of classes of each term.
3. Students may request a refund of the ESS fee in November and March by applying directly to the appropriate professional development union.
4. Premium for students taking 3 or more units of on-campus courses. See UVSS Extended Health and Dental Plans, above, for more information.

FEES FOR INTERNATIONAL STUDENTS
International students (those not holding Canadian citizenship or permanent residency at the beginning of the session) are required to pay

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

More information about the plan is available at the SUB Info Booth (721-8355).
international tuition fees for undergraduate and graduate programs and courses. Fees will be adjusted to regular rates for students who show official documentation of citizenship or permanent residence status before the deadline for dropping courses for each session (October 31 and February 28).

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

FEES FOR AUDITORS
Audit fees per credit unit:
- Under age 65
  - Domestic ........................................ $146.90
  - International ................................... $472.40
- Age 65 or over
  - Undergraduate ................................. $49.80
  - Graduate ...................................... $83.85

MISCELLANEOUS FEES
Undergraduate application fee
- if all transcripts come from institutions in BC/Yukon ................ $40.00
- if any transcripts come from institutions outside Canada but outside BC/Yukon .......................... $60.00
- if any transcripts come from institutions outside Canada ............ $100.00
Document evaluation ................................ $40.00
Late application/registration ................................ $35.00
Application to reregister ................................ $15.00
Returned cheque .................................... $15.00
Supplemental examination, per paper
  - on campus ..................................... $50.00
  - off campus ................................... $60.00
Transcripts, per copy ................................ $10.00*
Transcripts (priority), per copy .......................... $17.00*
Education Deduction and Tuition Certificate replacement 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 ..................... $50.00
  - certified copy ................................ $15.00
Document fee - per copy ................................ $3.00*
Final grade review fee (refundable if grade review successful) ........................ $25.00
Application for second degree or for change of degree status .......... $8.00
Degree completion letter ................................ $8.00*
Degree completion letter (priority) ....................... $15.00*
Letters of Permission to undertake studies elsewhere, per application, per institution ............................................. $10.00*
* Includes Goods & Services Tax (GST)

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

Financial aid in the form of bursaries, grants, loans and work-study positions is available to students based on financial need. Detailed information on financial aid awards and application procedures is available through the Student Awards and Financial Aid website at <registrar.uvic.ca/safa>.

GENERAL REGULATIONS:
- Except where a donor directs otherwise, the proceeds of awards issued by or through the University are applied towards a student’s total fees for the academic year. If the financial aid a student receives exceeds this amount, the balance will be paid to the student. Proceeds from government loans and work study positions are paid directly to the student.
- An award of financial aid may be withheld or cancelled if there is a lack of suitable candidates or a donor withdraws the award, or if the student receiving the award withdraws from UVic or fails to meet the terms and conditions of the award.
- If for any reason the original recipient becomes ineligible for an award, the funds may be reassigned to other students.
- Unless otherwise noted, all financial aid available through the University is limited to Canadian citizens and permanent residents.

Undergraduate Bursaries
Bursaries are non-repayable awards based on financial need and reasonable academic standing, as determined by the Senate Committee on Awards. Bursaries are available both for students entering UVic and for undergraduates already attending the University. Bursary applications are available to print from the Student Awards and Financial Aid website: <registrar.uvic.ca/safa>.

- Entrance bursaries awarded by UVic require application by October 15, unless otherwise indicated in the award description. Entrance bursaries for students planning to study at UVic are also available through the University of British Columbia and other external organizations.
- Bursaries for undergraduates attending UVic require application by October 15. A number of bursaries are awarded on the recommendation of Student Awards and Financial Aid and/or the student’s academic unit. Students should contact their faculty, school or department for information on nomination procedures.
  - To be eligible for a bursary, students must maintain registration in a minimum of 60% of a full course load (4.5 units or more) for credit in each term for which they receive a bursary. Students with a permanent disability must maintain registration in a minimum of 40% of a full course load (3.0 units or more) for credit in each term to qualify for bursary assistance.

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

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

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

2006-07 UVIC CALENDAR

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 take a full year’s program. This is defined as 3 or 4 units of credit work, of which 13 units must be graded.
- Students in the BEd (Elementary) program enrolled in Year 4 will be eligible for awards based on completion of 15 units of course work, of which 10.5 units are graded using the standard nine-point scale.
- The standing of students who are registered in more than 15 units of courses will be determined on the basis of the grades of the best 15 units of courses.
- Students with a disability, including those who are on a reduced course load, are eligible to be considered for scholarships. Students must identify themselves to the Student Awards and Finan-
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
- Faculty of Engineering
- Faculty of Fine Arts
- Faculty of Humanities
- Faculty of Law
- Faculty of Science
- Faculty of Sociology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology
- School of Physical Education: Recreation and Health Education, Kinesiology

**ADMISSION**

Admission and graduation requirements for Co-operative Education Programs are determined by the individual departments. Consult the calendar entries in these areas for further information. Students must apply to the appropriate department for admission to the Co-op Program. In general, co-op students are required to achieve an above-average academic standing, and to demonstrate the motivation and potential to pursue a professional career.

**WORK TERMS**

As an integral component of Co-operative Education Programs, students are employed for a number of work terms, which are arranged and evaluated by the individual departments. Co-op program coordinators must review all potential Co-op positions and evaluate their suitability for work term credit. Coordinators may determine some positions as unsuitable.

Work terms, normally of four months’ duration (13 weeks minimum), begin in January, May, and September. Work terms generally alternate with full-time academic terms on campus, and provide productive and paid, full-time work experience that is related to the student’s program of studies and individual interests. In special circumstances, approval may be granted for a work term to be undertaken on a more flexible schedule, as long as it does not exceed eight months and the total time worked is equivalent to a four-month term of full-time work. Normally, students are expected to end their program on an academic term.

In limited situations, students may be admitted on a provisional basis into a co-operative education program pending formal admission into the related academic program; such students may, with special authorization by the Executive Director, Co-operative Education, on the recommendation of the academic director responsible for admission to the academic program, undertake a first Co-op work term.

In such cases, the Co-op work term will be recorded on the student’s transcript as COOP 001 and the program as COOP, and, if successfully completed, will be accepted as one of the required work terms for the student’s Co-op program. Students registered for work terms are considered to be enrolled in a full-time course of studies.

2.0 units of academic credit are awarded for each approved work term successfully completed according to the requirements of the various faculties and their co-op programs. These credits may only be applied to completion of the work term requirement of an approved co-op program. These work term credits may not be applied towards the graduation requirements for any degree or program except in fulfillment of the co-op work term requirement as noted above.

**Work Term Preparation**

Co-op students are expected to complete successfully a program of seminars and workshops (typically one hour per week), prior to undertaking their first work term. This program is designed to prepare students for the work term. The following topics will be covered: Co-op program objectives/expectations, job seeking skills, transferring skills to the workplace, learning objectives, job performance progress and evaluation. Students should consult with their co-ordinator for program schedule information. This program is a corequisite for students participating in the placement process prior to their first work term.

A web-based preparation program is available to co-op students at <www.coop.uvic.ca>.
Work Term Credit By Challenge

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

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

General Regulations: Undergraduate Co-op

1. Students must register for each work term by completing the Work Term Registration form, which is provided by the Co-op Coordinator and which is normally completed when the student accepts an offer of employment for the work term and must be completed prior to start date. Students must be registered for the entire duration of the work term employment and, once registered, are not permitted to withdraw from the work placement without penalty of failure, unless specific written permission has been granted by the department/Coordinator. 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, page 40.
6. In the undergraduate programs, students are required to complete satisfactorily the number of work terms within 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 credit providing all other work term requirements are met.
10. The transferability of work terms from other institutions which offer Co-op programs is determined by individual Co-op departments on the merits of each completed work term. The number of work terms accepted for transfer or combined transfer and challenge must be not more than 50% of the total number required for completion of the Co-op Program.
11. Students who are taking double or combined major degrees, or a major and the Professional Writing Minor (where each area offers a Co-op program) may, if eligible, enroll in and undertake work terms in both Co-op programs. Students who complete at least two work terms in each area will have the combined nature of their program noted as part of the Co-op designation on their official records.
12. To graduate from a Co-operative Education Program, students must complete satisfactorily the minimum number of work terms and maintain the academic standing required by individual departments. Students who elect to graduate before the completion of a work term will not have that work term count toward their degree program; if this is a required work term, they will not graduate with the Co-op designation.
13. Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university level credit courses without the permission of the appropriate department. Work term students who wish to enroll in a course should contact their Co-op Coordinator.
14. Students enrolled in Co-op programs may be allowed to complete a 3 unit course commencing in September over a 16 or 20 month period, provided the department concerned consents. Students must obtain written permission from the department involved when registering in the course. In such cases, a temporary grade of CIC (Co-op Interrupted Course) will be entered into the student's December transcript. The CIC grade is used only when a 3 unit course is interrupted by a work term. Unless there is formal withdrawal from the course, the temporary CIC grade will be changed to N (a failing grade) if the course is not completed within 20 months.

Student Appeal Procedures

1. Students who are not satisfied with the decision of the Co-op coordinator should attempt to resolve their concerns at the Co-op program level.
2. If a student is not satisfied with a decision at the program level, the student may appeal the decision in writing to the Dean of the relevant faculty and the Executive Director of Co-operative Education, with a copy to the Co-op coordinator who made the decision or ruling being appealed. The Co-op Coordinator may file a written response to the appeal to the Dean and the Executive Director, with a copy to the appellant. The Dean and the Executive Director will consider the appeal.
3. The Dean and the Executive Director may request additional written submissions from the student and the coordinator. The Dean and the Executive Director may invite the student and the coordinator to make oral submissions. The Dean and the Executive Director may request additional written submissions from the student and the coordinator. The Dean and the Executive Director shall communicate their decision in writing to the student and the coordinator in a reasonable time.
4. If the student is not satisfied with this decision, the student may appeal to the Senate Committee on Appeals. This appeal process is governed by the Regulations on Appeals, page 39. Decisions of the Senate Committee on Appeals are final and may not be appealed to the Senate. In cases that do not fall under the jurisdiction of the Senate Committee on Appeals, the decision of the Dean and the Executive Director of Co-operative Education is final.
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 Washington), Assistant Professor
Dale Beckman, BSc (Alberta), MBA (Western Ontario), PhD (Michigan State), Professor Emeritus
David A. Boug, BA (Laur), MBA, PhD (U of Toronto), Professor
Ralph W. Huebemann, BA (Laur), MBA, PhD (Harvard), Professor Emeritus
Ignace Ng, BA, MA, PhD (SFU), Professor
Craig Pinder, BA (UBC), MA (Minnesota), PhD (Cornell), Associate Professor
Roger N. Wolff, BSc, MBA (Alta), DBA (Indiana), Professor
Mark Colgate, BSc, PhD (U of Ulster), Associate Professor, Champion Hospitality Service Management Program, Associate Dean
Timothy Craig, BA (Wabash Col), MA (Indiana), MIM (AGSIM), PhD (U of Washington), Associate Professor
A.R. Elangovan, BCom (Madras), MBA (St Mary’s), PhD (U of Toronto), Associate Professor, Director of International Programs
Carmen Galang, BSc, MA (U of Philippines), PhD (U of Illinois), Associate Professor
Rebecca Grant, BS (Union College), MBA (McGill), PhD (W Ont), Associate Professor
Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Associate Professor, Lansdowne Professor, Champion International Business Program
David McCutcheon, BEng (RMC of Can), MBA, PhD (W Ont), Associate Professor, Director of Undergraduate Programs
Sang H. Nam, BBA (Seoul), MBA (Bowling Green St), PhD (Oregon), Associate Professor
J. Brock Smith, BCom (Brit Col), PhD (W Ont), Associate Professor
Stephen S. Tax, BCom (Man), MBA, PhD (Ariz State), Associate Professor
Monika Winn, MA (Tuebingen), MBA, PhD (Calif, Irvine), Associate Professor
Hao Zhang, BCom (People’s U of China), MBA, PhD (Concordia), Associate Professor
Jen Baggs, BA (U of Alberta), MA, PhD (UBC), Assistant Professor
Michael J. Fern, BS (U of Oregon), PhD (U of North Carolina), Assistant Professor
Basma Majerbi, BCom (HEC), DESS (ISG), MSc (HEC), PhD (McGill), Assistant Professor
Ana Maria Peredo, BS (Inca Garcilazado de la Vega University of Peru), MA, PhD (Calgary), Assistant Professor
Boyd Cohen, BS (Miami Univ, MA (South Carolina), PhD (Colorado), Assistant Professor
Anthony Goerzen, BBA (Wilfrid Laurier), PhD (W Ont), Associate Professor, Director of Graduate Programs
Linda Hui Shi, BFinance (Zhongshan U), PhD (Michigan State U), Assistant Professor

Christopher Graham, BA (Queens), MBA (W Ont), CGA, Senior Instructor, Champion of Management

Visiting, Adjunct and Limited Term Appointments
William J. Buckwold, MBA (W Ont), CA, Professor (2001-2011)
Robin Dyke, BA (UBC), MBA (SFU), Adjunct Professor (2003-2006)
Chris Janssen, BA, MBA (U of Goteborg), PhD (Cornell), Adjunct Professor (2005-2008)
Mansour Javidan, BSc, 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)
Vic Lotto, BA (Political Science), Management Training Program (Diploma), Foreign Service Officer (Retired), Adjunct Professor (2003-2006)
Richard Mimick, BSBA (Creighton U), MBA (U of Nebraska), Adjunct Professor (2003-2006)
Martin Murenbeeld, BSc, MSc (Alta), PhD (U of California), Adjunct Professor (2003-2006)
Don Rowlatt, BCom (Saskatchewan), MA, PhD (Princeton), Professor (1999-2009)
Kenneth Wm. Thornicroft, LLLB (UBC), PhD (Case Western Reserve), Professor (2003-2009)

Centre and Program Managers
Mark Colgate, BSc, PhD (U of Ulster), Associate Professor, Champion Hospitality Service Management Program
A.R. Elangovan, BCom (Madras), MBA (St Mary’s), PhD (U of Toronto), Associate Professor, Director of International Programs
Christopher Graham, BA (Queens), MBA (Western Ontario), CGA, Senior Instructor, Champion of Management
Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Associate Professor, Lansdowne Professor, Champion International Business Program
David McCutcheon, BEng (RMC of Can), MBA, PhD (W Ont), Associate Professor, Director of Undergraduate Programs
Norah McRae, BA, MBA (Alberta), Manager, Business Co-op and Career Centre

General Information

PROGRAMS OFFERED

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

The BCom program provides students with a broad education in business, together with exposure to the liberal arts and the option of concentration in one of the following areas: International Business Management, Entrepreneurship or Hospitality Management. The opportunity to pursue a degree in General Management without concentration in any particular area is also available. The Bachelor of Commerce program normally consists of four academic terms and three cooperative education work terms. The first cooperative education work term is required as part of the admissions requirements of the program, while the other two will take place as part of the regular program sequencing in the third and fourth year of study. The Faculty of Business requires 30.0 units of Pre-Commerce course work prior to admission and offers third- and fourth-year undergraduate courses.

Limitation of Enrollment

Applicants should be aware that admission to the Bachelor of Commerce Program is highly competitive and subject to limited enrollment. Meeting minimum requirements is not a guarantee of admission.

Joint Programs

Mechanical and Electrical Engineering (Management Option)

This program is offered by the Mechanical and Electrical Engineering Department in the Faculty of Engineering. Program details are found on page 78 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 85 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 cooperation with the Faculty of Business. For program details, refer to the Calendar entry for the Department of Economics, page 195.

Business Minor

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

ACADEMIC ADVICE

Information about admission to the Faculty of Business is available through UVic Admission Services. Students with questions about programs and courses should inquire at the Business Student Services Office, Room 283, Business and Economics Building.

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

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

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

Entry to the Bachelor of Commerce program is in September only for each year. Normally, about 240 students are admitted to the BCom program every year.

The structure of the program requires that students have completed 30 units of Pre-Commerce course work, including the required courses listed below before they will be permitted to register in the Bachelor of Commerce core courses.

In certain cases, applicants will be considered for admission with no fewer than 27 units of credit. Students should be aware that they will be required to complete a total of 60 units of course work to obtain a UVic degree, including 30 units of Pre-Commerce course work. Any outstanding Pre-Commerce course work must be completed prior to commencing the BCom program.

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

Current and Returning UVic Students

Current and returning UVic students who are not admitted to the BCom program will normally, if eligible, be authorized for study in their previous Faculty. New applicants to UVic who are not admitted to the program and who wish to be considered for any other faculty should contact Admissions or Records Services.

Admission from BC Community Colleges

Applicants from BC community colleges must first be admitted to UVic. Students must have a minimum of 12 units of transferable credit to be considered for admission to UVic. Transfer credit should address the admission requirements as described under the pre-admission section entitled First Year College or University Students (Canadian or Landied Immigrant) or the section entitled Direct Admission. Students attending any commerce, management or business administration degree program will be considered along with all other applicants and must have completed the requirements for admission as outlined below.

Any student with fewer than 30 units of credit should apply to the Faculty of Humanities or to the Faculty of Social Sciences and then apply to the Faculty of Business the following year. Those applicants who have at least 22.5 units of credit completed and 7.5 units of credit in progress by the application deadline and who meet the Pre-Commerce course requirements are eligible to apply for direct admission to the BCom program. Transfer credit will be assessed only after a student has made formal application for admission. Students from other institutions may wish to contact the Faculty for informal assistance and recommendations. Transfer credit will be limited to 4.5 units of Commerce credit for the purposes of calculating the cumulative Pre-Commerce Grade Point Average. Students transferring from BC community colleges or university colleges should consult the BC Transfer Credit Guide at <www.bccat.bc.ca> for assistance in determining the transferability of courses.

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

Admission from Other Universities

Applicants from other universities must first be admitted to UVic. Students must have a minimum of 12 units of transferable credit to be considered for admission to UVic. Transfer credit should address the admission requirements as described under the pre-admission section entitled First Year College or University Students (Canadian or Landied Immigrant) or the section entitled Direct Admission. Students attending any commerce, management or business administration degree program will be considered along with all other applicants and must have completed the requirements for admission as outlined below.

Any student with fewer than 30 units of credit should apply to the Faculty of Humanities or to the Faculty of Social Sciences and then apply to the Faculty of Business the following year. Those applicants who have at least 22.5 units of credit completed and 7.5 units of credit in progress by the application deadline and who meet the Pre-Commerce course requirements are eligible to apply for direct admission to the BCom program. Transfer credit will be assessed only after a student has made formal application for admission. Students from other institutions may wish to contact the Faculty for informal assistance and recommendations. Transfer credit will be limited to 4.5 units of Commerce credit for the purposes of calculating the cumulative Pre-Commerce Grade Point Average. 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 Categories and Deadlines

Pre-Admission

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

Pre-admission guarantees the student admission to the Faculty of Business BCom program if the student maintains the level of academic and co-op performance prescribed in any conditions set out by the BCom Program Director and BCom Admissions Officer as part of the admissions process. Normally, a pre-admitted student will be authorized for registration for the summer term before starting the BCom core courses. Pre-admitted students will be eligible to register in their pre-commerce co-op work term during this summer term. Pre-admitted students who are not registering in a pre-commerce co-op during that summer term are not permitted to register in any courses that are considered part of the BCom degree program.

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

Documentation Deadline: September 15

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

Students who wish to be considered for pre-admission must have a minimum GPA of 80% on required high school courses. Meeting the
## Pre-Commerce Courses Including Required Courses

| Economics: 1.5 units | ECON 103 (Introductory Microeconomics): 1.5 units  
Math 12 is a prerequisite to the above mentioned course |
|---------------------|------------------------------------------------------------------|
| English: 3 units | Applicants must have satisfied the Undergraduate English Requirement.  
Two of ENGL 115, 125, 145 (or other approved English courses including ENGL 100 level, WRIT 102, or equivalent). |
| Math: 1.5 units  
Statistics: 1.5 units | MATH 151 (1.5 units) and STAT 252 (1.5 units)  
OR  
ECON 245 (1.5 units) and ECON 246 (1.5 units)  
OR  
STAT 255 (1.5 units) and STAT 256 (1.5 units) OR equivalents. |
| **Notes about Math Requirement** | Math 12 is a prerequisite to the above mentioned courses. If Math 120 is taken at UVic as a Math 12 equivalent, it will not be counted as 1.5 units of Other Math as described below.  
It is recognized that students transferring from other institutions may have different combinations of Math and Statistics courses. At a minimum, students must have 3.0 units of courses in the Math and Statistics area. The following are acceptable:  
One course in Calculus (1.5 units), one course in Business Statistics (1.5 units), and one other Math course (1.5 units) which may not include Pre-Calculus, Pre-Calculus Math or Pre-Calculus Algebra, or Math for Elementary Education. 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 Communication: 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”. |

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**2006-07 UVIC CALENDAR**

minimum GPA requirement does not guarantee admission to the BCom program.

Students are required to submit the following documents:

- University Application for Admission
- Bachelor of Commerce Application and Experience Form
- Two official copies of interim High School Transcript, if not reported to the BC and Yukon Ministry of Education - minimum 80% GPA
- Letter of Recommendation - principal or vice-principal or designate

**Conditions:**

- Students must meet UVic admission requirements for Humanities or Social Sciences, with the addition of Math 12. For Undergraduate Admission requirements please see page 22 of the Calendar.
- **Graduates of Secondary Schools in Ontario:** 6 Grade 12 university or university/college courses (U/M) including English, or 6 Ontario Academic Courses including English
- **Students must complete Required and Pre-Commerce courses at UVic:** (Year 1 and Year 2). Pre-admitted students are required to complete at least 2 of the required courses in Year 1.
- **Students must maintain at least a 5.0 GPA (B) or better during Pre-Commerce course work in Year 1 and in Year 2. The Faculty of Business will review GPA after April 30 of Year 1 and December 30 of Year 2. Students are required to maintain at least a 5.0 GPA (B) in each academic year.**
- **Students must complete all required and elective courses (30 units) by the end of the Spring (January-April) term of their Year 2 prior to commencement of BCom core.**
- **Students must complete the Pre-Commerce co-op work term prior to commencing the BCom program 3rd year core.**

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

Application Deadline: February 28

Documentation Deadline: March 15

Students are required to submit the following documents:

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

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

**Conditions:**

- Students must meet UVic entrance requirements
- Students must complete the remainder of their Pre-Commerce course work at UVic (Year 2).
- Students must obtain a minimum grade of B- (4.0) on their remaining required courses.
- Students must maintain an overall GPA average of at least 5.0 (B) on the remainder of their Pre-
Admission Requirements for Graduates of Hospitality Management Programs

Application Deadline: February 28

Documentation Deadline: March 15

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

Applicants from two-year Hospitality Management/Hotel and Restaurant Administration diploma programs may be eligible for entry to the BCom program Hospitality Service Management specialization if they meet the following criteria:

1. The diploma is completed with a minimum B (3.0) average, as determined by Undergraduate Admissions and Records. The average as calculated by Undergraduate Admissions is a cumulative GPA, which includes all course attempts.
2. Except for pre-admitted students, the diploma is granted by August 31 of the year for which the student is applying for admission. Final official documentation will be required.
3. The diploma is awarded by a college that offers the BC Provincial Hospitality Management Diploma Program, or its equivalent.
4. Completion of a microeconomics course (equivalent to UVic ECON 103) 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
- University College of the Cariboo
- Vancouver Community College

Other Institutions

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

Admission Criteria for Graduates of Hospitality Management Programs

Admission decisions for the Bachelor of Commerce program will be made based on the GPA achieved in the diploma program (60% weight) and on an evaluation of the applicant’s application and experience form (40% weight). See description of Quantitative and Qualitative considerations below.

Please note that applicants must be admissible to the University of Victoria in order to be considered for the Bachelor of Commerce program.
A limited number of Commerce credit and course waivers are available to students. The Faculty of Business has developed two documents: a general guide, Principles of Professional Behaviour, and a more detailed guide, Standards for Professional Behaviour. All students are subject to the provisions of these documents. Copies are available from the Business Student Services Office (BEC 283).

Course Registration

Students are admitted to the BCom program, not to particular areas of concentration. Space may be limited in specific areas of concentration outside the Commerce core. Students will be required to declare their 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 required in the course description. It is expected that students will complete a full course load each academic term (7.5 units). It is intended that students will progress through the 3rd year core in a designated cohort group. Students are required to register in the designated sections of their cohort as outlined in the admissions package provided to each student in the Faculty of Business.

Students who withdraw from or receive a failing grade of F in a course listed within the Commerce core or a course required for their chosen 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
COMMERCES 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 may 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 (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 examinations will be accepted past these deadlines. Students will normally be notified of whether their application has been accepted or refused within approximately three weeks of the appropriate application deadline. Fee payments will normally be returned to students only in the case of rejected applications. The Faculty of Business schedules supplemental examinations.

LETTERS OF PERMISSION

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

WAITLESTING

Normally, students have the option of being added to a waitlist for a class if the course enrollment is at its maximum; however, some exceptions do apply. The Faculty of Business will accommodate students from a waitlist as spaces in the class become available, and the registration system will notify students via their UVic e-mail address. Students must drop themselves from waitlisted classes where the class is no longer wanted or needed during that term. Students waitlisted for courses are responsible for monitoring their registration status through the registration system (WEBREG). Students should check their course registration on the last day of the 100% fee retraction period in each term to avoid 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 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. 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.

LEAVE OF ABSENCE

Students must apply in writing to their academic adviser for a leave of absence. Unless given written permission by the Faculty of Business to take a leave of absence, students who do not re-register will be considered to have withdrawn. Students on leave of absence are considered outside the program and will not be granted work term credit or academic course credit for experience gained during the leave.

GRADUATION REQUIREMENTS

The minimum requirements for graduation are:

1. completion of the Undergraduate English Requirement, page 29
2. credit for a minimum of 60 units of university level courses numbered 100 and above; at least 21 of the units must be numbered at the 300 or 400 level; at least 18 of the 300 or 400 level must be University of Victoria courses, and at least 30 of the units must be UVic courses
3. satisfactory academic performance as outlined above
4. satisfactory completion of three co-op work terms within the regulations of the Faculty of Business and including any challenges or transfers granted

Program Requirements

The Bachelor of Commerce program combines learning in the classroom with work experience, an internationally diverse cohort group, and the opportunity for international work and study. Following the completion of the Pre-Commerce course work (30 units), students are expected to follow the schedule of academic and work term sequencing outlined for each area of concentration to complete the remaining two years of
study (30 units) in the Bachelor of Commerce program. Students start the BCom program core in the Fall term of their 3rd year.

**Program Core (18 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 205</td>
<td>Career Skills and Management</td>
<td>0</td>
</tr>
<tr>
<td>COM 315</td>
<td>Financial Accounting</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 316</td>
<td>Management Accounting</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 321</td>
<td>Organizational Behaviour and Design</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 322</td>
<td>Management of Employee Relations</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 331</td>
<td>Management Information Systems</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 341</td>
<td>Operations Management</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 351</td>
<td>Marketing Principles and Management</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 361</td>
<td>International Business</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 362</td>
<td>Decision Making for Responsible and Sustainable Global Business</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 371</td>
<td>Management Finance</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 400</td>
<td>Strategic Management</td>
<td>1.5</td>
</tr>
<tr>
<td>COM 402</td>
<td>Legal Issues in Management</td>
<td>1.5</td>
</tr>
</tbody>
</table>

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

**Specializations**

There are four specializations:

- International Business Management
- Entrepreneurship
- Hospitality Service Management
- Management

**International Business Management**

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

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

International Business is a four-course specialization, including COM 400.

**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.

**Hospitality Service Management (Hospitality and Service)**

Hospitality Service Management is a five-course specialization, including COM 400.

**Management**

Students may elect to complete a program in Management.

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

**Open Commerce Electives**

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

**International Exchange Program**

The International Exchange Program (INTEX) provides the opportunity for eligible Commerce students, regardless of their specialization, to spend approximately four months studying at an overseas institution and receive full course credits for one term. Normally, studies overseas are conducted in the English language; however, some exceptions do apply. Participation in INTEX is equivalent to 7.5 units:

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

**ENTEX Requirements**

To be eligible for international academic placements, students must meet the following requirements:

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

Contact the International Programs Office for more details.

**Business Minor Program**

Students following a Minor program in Business must complete the Business Minor core, consisting of:

- COM 220
- COM 240
- COM 250
- COM 270

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

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

**Business Co-op Program**

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

**Admission to the Business Co-op Program**

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

**Business Co-op General Regulations**

The following regulations apply to the Business Co-op program. General regulations found in the Co-operative Education Program section of the Calendar also apply to the Business Co-op program. Where the Faculty of Business regulations differ from those of the Co-operative Education Program, Faculty of Business regulations will apply.

Co-operative Education work terms are normally a minimum of 13 weeks and a maximum of 18 weeks of full-time paid work. The work placement must be related to the student's learning objectives and career goals. The placement must be supervised, and the employer willing to conduct a mid-term and final evaluation of the student in consultation with a Co-operative
Education Program Coordinator (known hereafter as a Coordinator).

Normally, students must receive credit for three co-op work terms. As per the general regulations for co-op, 2.0 units of academic credit are awarded for each approved work term successfully completed. These work term credits may not be applied towards the graduation requirements for any degree or program except in fulfillment of the co-op work term requirement. Students are required to complete at least two of these work terms through the University of Victoria Business Co-op Program as part of their degree program. Students may be granted credit for ONE of these three work terms as follows:

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

- A student with a recognized co-op work term from another accredited post-secondary institution may apply for transfer credit. Students must apply in writing for work term transfer credit within the first 60 days of their initial academic term within the BCom program, identifying the program and work term for which they would like credit. A transcript may be required.

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

In such cases, the Co-op work term will be recorded on the transcript as COOP 001 and, if successfully completed, will be accepted as one of the required work terms for the student's Co-op program.

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university level credit courses while on a work term. Under extraordinary circumstances, students may submit, in writing to the BCom Director, Undergraduate Programs, a request to register in a maximum of 1.3 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 52). Students with a GPA below 3.0 in an academic term will not be eligible to participate in the next scheduled co-op work term.

Students should not expect to complete all their work terms in the summer months, nor should they expect to complete their BCom program on a work term or series of work terms. In certain cases, students will be permitted to end the program on a co-op work-term to satisfy the BCom co-op work term requirements. These cases will normally only apply to students who are on an international exchange and will complete the work term abroad. All decisions regarding the eligibility of a student to complete their program on a co-op term will be made at the discretion of the Faculty of Business.

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

The Co-op Preparation Course is a mandatory requirement for business students. This program is a co-requisite for students participating in the placement process prior to their first work term. Topics covered in the Preparation Course include:

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

Students will be provided more information regarding the Co-op Preparation Program, its curriculum, and the requirements for completion upon admission to the BCom program.

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

The Business Co-op Program reserves the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section, page 45. 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 40.

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

Academic and Work Term Sequencing

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

The Faculty of Business may make amendments to a student's academic and work term sequencing during the course of the program. Students are expected to remain in the prescribed academic and work term sequencing. Priority will be given to placing students who are scheduled to go on a work term, as defined by their area of concentration. Students not scheduled to go on a work term will not be eligible to participate in the placement process.

Assessment of Work Term Performance

The requirements for a pass grade in a Co-op Work term include:

- a satisfactory mid-term evaluation by the Coordinator based on discussion with the student and employer
- the employer's satisfactory final evaluation of the student, and
- the satisfactory completion of a work term report as assessed by the Coordinator and submitted by the deadlines specified below:
  - 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 affiliation.

A grade of COM, F or N will be assigned to students at the completion of each work term. Students who are assigned a grade of F or N for a work term that carries 2.0 units will have a 0 grade point assigned for that work term and this grade point will be used in the calculation of both the sessional and cumulative grade point averages; it may also affect the student's academic standing (e.g., academic probation or requirement to withdraw from the University or Faculty—see calendar “Minimum Sessional Grade Point Average and Academic Standing”).

Students who fail a work term or who have not completed a work term by the end of four academic terms may be required to withdraw from the Faculty and/or the University.
Studies in Education lead students toward an understanding of the nature of knowledge, its interpretations and how it is shared. Through individual and group work, instruction, and supervised experiences in the field, students in the Faculty develop their professional knowledge and skills as well as their ability to share their knowledge and experience. In this way, students learn how to be leaders not only in the classroom but in the community as well. Students in the Faculty may pursue bachelor programs in elementary or secondary education, kinesiology or recreation and health education. The Faculty also offers graduate programs at the master’s and doctoral levels.
Faculty of Education

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

Department of Curriculum and Instruction
Deborah L. Begoray, BA (Alta), MA (Calgary), PhD (UBC) Associate Professor
Thomas Fleming, BA, MA (UVic), PhD (Ore), Professor
Robert J. Graham, MA (Glasgow), MA (Toronto), MEd (OSIE), PhD (Calgary), Professor
Budd L. Hall, BA, MA (Michigan State), PhD (UBC), Professor
Margie I. Mayfield, BA (Macauley Coll), MA, PhD (Minn), Professor
Wolff-Michael Roth, MSc, (Germ), PhD (Mississipi), Professor and Lansdowne Chair
Larry D. Yore, BS, MA, PhD (Minn), University of Victoria Distinguished Professor
William M. Zuk, BEd, BA, MED (Alta), PhD (Ore), Professor
Robert J. Anthony, BA, MA (Man), PhD (Tor), Associate Professor
Laurie R. Baxter, BA, MEd, (West Wash St), PhD, (Ohio St), Associate Professor
Donald L. Bergland, BA, MA, EdD (Brit Col), Associate Professor
David W. Blades, BEd, MED (UVic), PhD (Alberta), Associate Professor
Robert C. Dalton, BA (Calg), MFA (Wash), PhD (Ohio St), Associate Professor
Leslee G. Francis-Pelton, BSc, MA, PhD (RYU), Associate Professor
Gerald N. King, BMus (Brit Col), MMus (WW Wash), EdD (RYU), Associate Professor (joint appt with School of Music)
Carole S. Miller, BA, MED (Pitt), Associate Professor
Sylvia J. Panteleo, BA (Guelph), BEd (Queen's), MA (Calgary), PhD (U of A) Associate Professor
Alison Prece, BA (Brit Col), MA, PhD (UVic), Associate Professor
Theodore J. Rickecn, BA, MEd (Sask), EdD (Brit Col), Associate Professor
Margaret Robertson, BEd (Leth), MEd, PhD (Sask), Associate Professor
Katherine Sanford, BEd, MEd, EdD (U of A), Associate Professor
Gloria J. Snively, BSc (Portland St), MA (S Fraser), EdD (Brit Col), Associate Professor
Kathie M. Black, BEd, MA, PhD (New Mex), Assistant Professor
Steven Capalda, BEd (Melb), MPerf (Syd), DMA (UNLV), Assistant Professor
Catherine Caws, BA, MA (Nantes), PhD (Brit Col), Assistant Professor (shared appointment with French Department)

Elizabeth Churchill, BA, BEd, MA, PhD (Calgary), Assistant Professor
Mary Kennedy, BMus, MEd, (UVic), PhD (Wash), Assistant Professor
Timothy Pelton, BSc, BEd, MSc, PhD (Brigham Young) Assistant Professor
Helen Raptis, BA, MEd, PhD (UVic) Assistant Professor
Maira E. Szabo, BMus, MA (McGill), PhD (Wash), Assistant Professor
Jennifer S. Thom, BEd (UVic), MA, UBC, PhD (UBC), Assistant Professor
Lorna Williams, BGS, MED (SFU), PhD (Knoxville), Assistant Professor
Valerie Irvine, BEd, BA (UBC), University Teaching Program (U of A), Lecturer
John Begoray, BSc, BEd, (Alberta), MSc, PhD (Calgary), Senior Instructor
Carole Ford, BEd, BA, MED (UBC), PhD (UVic), Senior Instructor
Douglas Zook, BEd, MED, PhD (Alberta) Assistant Professor (Limited Term) 2005-2007

Visiting, Adjunct and Cross-listed Appointments
Mary Dayton-Sakari, BSc (Calif Pomona), MED, PhD (Alta), Associate Professor Emeritus

Department of Educational Psychology and Leadership Studies
E. Anne Marshall, BA (Bishop's), MA, PhD (OISE Tor), RPsych, Associate Professor and Chair of the Department
John O. Anderson, BSc, BEd, MED, (Man), PhD (Alta), Professor
Daniel G. Bachor, BEd, MSc (Calg), PhD (Tor), Professor
David deRosenmull, BA, MA, PhD (UVic), Community Based Program Coordinator, Limited Term
M. Honore France, BSc (Tenn), MEd, EdD (Mass), Professor
Brian Harvey, BA (Bran), MA, PhD (Ohio St), Professor
Yvonne M. Martin-Newcombe, BA, DipEd (W Indies), MA, PhD (McGill), Professor
Peter J. Murphy, BA (Winn), BEd, MED, (Man), PhD (Alta), Professor
Vernon J. Storey, BEd, MED, EdD (Brit Col), Professor
Wanda A. R. Boyer, BEd (Calg), MED, PhD (S. Mississippi), Associate Professor
J. Jillian Roberts, BA (Waterloo), BEd (Dalhousie), MED (OISE Tor), PhD (Calgary), RPsych, Associate Professor
W. John C. Walsh, BGS, MA, PhD (S Fraser), RPsych, Associate Professor
Timothy G. Black, BA (Western Ont), MA, PhD (Brit Col), Assistant Professor
Darlene Clover, BA (Tor), MEd (Yorks), PhD (OISE Tor), Assistant Professor
Allison Haddow, PhD (S Fraser), MEd, BEd, BA (Queen's), Assistant Professor
Gina Harrison, BA, MA, PhD (Brit Col), Assistant Professor

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

Visiting, Adjunct and Cross-listed Appointments
John E. Anderson, BA (Western Ontario), MD (McMaster), Associate Professor, Limited Term
Dan Brown, BSc (UBC), MA (UBC), AM (Chicago), PhD (Chicago), Adjunct Professor
Ian J. Cameron, BEd (BC), MEd (UVic), EdD (BC), Adjunct Assistant Professor
Carol E. Harris, BA (Acadia), MEd (MUN), PhD (Tor), Professor Emeritus
John Durkin, BSc (Tor), MA, PhD (UVic), Adjunct Assistant Professor
Lily L. Dyson, BA (Taiwan), MEd (Kansas), MA (Kansas), PhD (Washington), Professor Emeritus
Louis Heshusi, BS (W. Illinois), MA (Texas A and M), PhD (Indiana), Adjunct Professor
Geoffrey G. Hett, BEd (UVic), MS (Oregon), PhD (Oregon), Associate Professor Emeritus
Jack Lam, BA (Hong Kong), MEd (Tor), PhD (Tor), Adjunct Professor
Bruce Monkhouse, BA (Alta), MA (Alta), PhD (Alta), Adjunct Assistant Professor
Walter Main, BEd (Alta), MED (Alta), PhD (Alta), Professor Emeritus
Mary Nixon, BA (London), BEd, MED, PhD (Alta), Adjunct Assistant Professor
Nancy C. Reeves, BA (BC), MA (BC), PhD (Alta), Adjunct Assistant Professor
Jo-Ann Stoltz, BA, MA, PhD (UVic), Adjunct Assistant Professor
Max R. Uhlemann, BS, MS, PhD (Colo St), RPsych, Professor Emeritus

School of Physical Education

Douglas R. Nichols, BA (Hope Coll), MS (Ore), MA (Mich St), PhD (Ore), Professor and Director of the School
David Dachert, BS, MS, PhD (Ore), Professor
Geraldine H. Van Gyn, BA (W Ont), MSc, PhD (Alta), Professor
Howard A. Wenger, BPE, MPE (Brit Col), PhD (Alta), Professor
Frederick I. Bell, BA, BEd (Sask), MED (Alta), EdD (N Car), Associate Professor
Catherine A. Gaul, BEd (New Br), MSc (S Fraser), PhD (UVic), Associate Professor
Sandra L. Gibbons, BEd (Alta), MSc (Wash St), PhD (Ore), Associate Professor
Ryan E. Rhodes, BA, MA (UBC), PhD (Alta), Associate Professor
Vivienne A. Temple, BEd (Victoria Coll-Rusden), PhD (RMIT), Associate Professor
S. Joan Wharf Higgins, BA, MA (UVic), PhD (UBC), Associate Professor
E. Paul Zehr, BPE, MSc (McMaster), PhD (Alta), Associate Professor
Timothy F. Hopper, BA (Exeter), MA, PhD (Alta), Assistant Professor
Lara L. Lauzon, BA, MA, PhD (UVic), Assistant Professor
1.0 General Information

1.1 Undergraduate Degree Programs

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

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

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

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

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

1.2 Post-Degree Programs

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

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

1.3 Diplomas and Certificates

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

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

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

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

1.4 Graduate Programs

Graduate degrees in Education are offered through the Faculty of Graduate Studies. Inquiries about graduate degrees should be directed to the Dean of the Faculty of Graduate Studies or the Education Departmental Graduate Advisers. Students seeking teacher certification should refer to the descriptions of the post-
2.0 Academic Advice

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

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

3.0 General Information About Courses in the Faculty

Course descriptions are listed alphabetically by course abbreviation starting on page 222 of the Calendar. A list of course abbreviations and corresponding subjects is presented on page 223. Faculty regulations concerning courses are presented on page 59.

Faculty of Education courses required for an elementary or secondary teacher education program, kinesiology program or recreation and health program are normally restricted to students admitted to one of these programs. Other Faculty of Education courses are open to students in other faculties. Further information is presented in the Calendar and in the undergraduate timetable.

4.0 Limitation of Enrollment

The University of Victoria reserves the right to limit enrollment in the Faculty of Education and to refuse admission to the various programs of the Faculty. Such factors as available space and facilities, teaching positions available in the schools, academic qualifications, general suitability of the applicant for teaching, physical abilities and English usage will be taken into account.

5.0 Faculty Admissions

Applicants for admission to the Faculty of Education must meet general University requirements described on pages 20 to 30, as well as general Faculty and specific program requirements.

Deadlines for Applications

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

- Secondary post-degree professional program and professional year: 31 December
- All physical education programs: 31 January

Elementary programs: 31 January
Secondary program:
- Art and Music: 31 January

Final transcripts with grades for courses in progress after January 31 must be received by May 31.

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

5.1 General Faculty Admission Requirements

The specific admission requirements for individual programs are given under each program's description.

The general requirements for admission to the Faculty of Education are:

1. at least 12 units of credit, including 3 units of English
2. a sessional Grade Point Average of at least 3.0 on the most recent session, and if that session is less than 12 units, a Grade Point Average of at least 3.0 or the most recent 12 units*
3. an admission interview (see 5.3)

*This requirement will be waived for certificated teachers from the Province of British Columbia. All requirements for admission must be completed by April 30 and documented by May 31, except when otherwise specified.

5.1.1 Aboriginal Admissions

The Faculty of Education is committed to increasing the number of students with First Nations, Inuit and Métis ancestry in our programs and therefore encourages applications from Aboriginal people. In recognition of the BC Ministry of Education’s mandate to increase access for Aboriginal students, the Faculty of Education has developed Special Access Initiatives:

1. Reserved Seats: 5% of the positions in all the Faculty's undergraduate programs will be held for Aboriginal applicants who meet the Faculty of Education's minimum program entrance requirements and Aboriginal Application requirements.
2. Exceptional Admission: Exceptional students who do not meet the standard Faculty requirements may be eligible for admission through a case-by-case review process.

Eligibility for Special Access

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

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 Ad- viser. The interview process will take into account geographic distance of the applicant from the campus, and an alternative interview process may be considered.

Appealing Admission Decisions

A candidate who is not recommended for admission may appeal to the Dean of Education or to the Senate Committee on Admission, Registration and Transfer. See the University’s first-year admission requirements pertaining to First Nations, Métis and Inuit applicants, page 25.

1. For the purpose of application and admission to the Faculty of Education, and in accordance with the Constitution Act of 1982, Part II Section 35(2), “Aboriginal peoples of Canada” refers to the In- dian, Inuit and Métis peoples of Canada.
2. If the 5% quota of seats is not filled by July 1, the seats will then be offered to general students on the waiting list.

5.2 Quota Restrictions

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

5.3 Admission Interview Requirement

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

5.4 Written English Competency Requirement

Students must satisfy the written English competency requirement prior to admission to an Elementary Teacher Education Program. All students in a Bachelor of Education Secondary degree program must satisfy the written English competency requirement before acceptance into professional year.

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

1. Completion of English 115 or 135 with a grade of 4.0 or better as part of, or in addition to, the required 3.0 units of approved English.
2. Completion of 3.0 units of approved English with a Grade Point Average of 4.0 or better as the required 3.0 units of approved English or in addition to the required 3.0 units of approved English. Only 1.5 units of the required 3.0 units may be in composition. Notwithstanding, a student who receives a grade of 3.0 or less in any composition course will have his or her record individually reviewed.
3. Completion of the English 115 Equivalency Test (EET) at a level of 4.0 or better in addition to the required 3.0 units of approved English.
4. Completion of English 215, 216, 225, 300 or 400 with a grade of 4.0 or better in addition to the 3.0 units of approved English.
5. 6.0 units of approved English with a Grade Point Average of at least 4.0.

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

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

5.6 Limitations of Credit for Certified Teachers

Applicants for admission or acceptance in a degree program who have completed basic professional training may be granted up to 18 units of credit for that professional training towards the Bachelor of Education degree. This is granted at the discretion of the Director of Teacher Education Programs, in consultation with the department or school of the Faculty.

All accepted candidates are referred to the regulations concerning currency of course work on page 60.

Teachers who have not taken any courses applicable to their programs in the last 10 years must submit the following for consideration:
1. a resume of all teaching experience including dates, locations and grade levels, and indicating whether full time, part time, or substitution
2. copies of the most recent Superintendent’s and/or Principal’s Reports
3. letter(s) from Principal(s) attesting to teaching effectiveness in substitution roles if applicable
4. a copy of their Teaching Certificate, as issued by the BC College of Teachers

6.0 Faculty Academic Regulations

6.1 Course Regulations

Practicum Courses

All courses which have a practicum component are governed by the practica regulations, page 60. No course containing school experience practica may be challenged. Students who wish to repeat any practica courses must obtain permission from the Director of Teacher Education Programs.

Prerequisites

It is the responsibility of all registrants to ensure that all prerequisites for the courses in which they register have been met. Prerequisites may be waived if the student has completed equivalent work, or in other exceptional cases. Consult the Education Advising Centre for more information.

Registration Restrictions

Registration in all 300-level courses is restricted to students having second-year standing or higher. Courses numbered 400 or above are reserved for students registered in third or following years. These regulations do not apply to the following performance-oriented courses: ME 318, 418, 320, 321, 402, 420, 421. These courses may be taken by first- or second-year students with appropriate background.

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

6.2 Credit Regulations

Credit for Studies Undertaken at Other Institutions

Students who plan to undertake course work at other institutions must receive prior approval from the Education Advising Centre if they wish such courses to be credited toward a degree in the Faculty of Education at the University of Victoria. Students are responsible for ensuring that transcripts for all attempted course work at all other institutions are submitted to Undergraduate Records. See page 37 for the minimum sessional Grade Point Average regulations that apply to all UVic students. See also Faculty of Education minimum sessional Grade Point Average regulations, below.

Credit for Skill Performance and Analysis Courses

Skill Performance and Analysis course credit is limited as indicated below:

BED Degrees (Secondary Curricula)
- Physical Education Secondary teaching area program: units specified in the degree
- Non-Physical Education teaching area: 3 units

6.3 Standing

6.3.1 Sessional Grade Point Average

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

6.3.2 Minimum Sessional Grade Point Average

Elementary Programs

Students in Elementary Teacher Education programs must obtain a GPA calculated on university-level credit course work of at least 3.0 (C+) on every session attended in which they have registered in 4.5 units or more. Students whose sessional GPA is less than 3.0 will be required to withdraw from the Faculty. If the GPA is less than 2.0, further sanctions will be imposed by the University (see page 37).

Probation. Students who fail to obtain a sessional GPA of at least 3.0 (C+) in all sessions attended while on probation and who have accumulated a minimum of 6 units at the 3.0 level or better. Students who fail to obtain a sessional GPA of at least 3.0 in the probationary session(s) will be required to withdraw from the Faculty Education.

Re-admission. To re-enter the Faculty, students must meet the admission requirements prevailing at the time of their re-application. In programs with quotas, this may mean considerable course work will be necessary to raise the GPA sufficiently. All students required to withdraw from the Faculty must complete a minimum of 6 units of approved course work outside the Faculty of Education before they may re-apply for admission.

Students who have been readmitted to Elementary Teacher Education programs after having been required to withdraw and whose sessional GPA again falls below 4.0 will be required to withdraw from the program for a period of five years.

An appeal process is available to address student concerns about the application of any of the above procedures. Please contact the Education Advising Centre.

Secondary Programs BA (Recreation and Health Education) BSc (Kinesiology)

Students in these programs must obtain a GPA calculated on university-level credit course work of at least 3.0 (C+) on every session attended in which they have registered in 4.5 units or more. Students whose sessional GPA is less than 3.0 will be required to withdraw from the Faculty. If the GPA is less than 2.0, further sanctions will be imposed by the University (see page 37).

Co-operative Education students in Kinesiology or Recreation and Health Education who do not obtain a sessional GPA of at least 3.5 will have their academic performance reviewed and may be placed on probation or required to withdraw.

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

Re-admission. To re-enter the Faculty, students must meet the admission requirements prevailing at the time of their re-application. In programs with quotas this may mean considerable course work will be necessary to raise the GPA sufficiently. All students required to withdraw from the Faculty must complete a minimum of 6 units of approved course work outside the Faculty of Education before they may re-apply for admission.

Students who have been readmitted to the Faculty Education programs after having been required to withdraw and whose sessional GPA again falls below 4.0 will be required to withdraw from the Faculty of Education for a period of five years.

An appeal process is available to address student concerns about the application of any of the above procedures. Please contact the Education Advising Centre.

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

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

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

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

The Faculty of Education’s Code of Professional Conduct includes, but is not limited to:
- The exercise of self-discipline, accountability and judgement in academic and professional relationships;
- Acceptance of personal responsibility for continued academic and professional 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.

c) The Director of Teacher Education Programs shall notify a student whom he/she considers unsuitable for the profession; the Director will also make a recommendation to the Associate Dean, Teacher Education that the student be required to withdraw from the Faculty.

The Director shall meet with the student and give reasons for the recommendation. The Director should tell the student of the right of an appeal to the Professional Conduct Suitability Committee (PCSC). The appeal should be written and should be delivered to the Associate Dean, Teacher Education, (c/o Dean’s Office) and to the Director who signed the recommendation to the Associate Dean, Teacher Education.

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

The PCSC, having heard from the student, shall then make the decision in a fair and unbiased manner. It may do any of the following:
- approve the recommendation for withdrawal
- cancel the recommendation
- refer the matter back to the Associate Dean, Teacher Education.

Where it approves withdrawal, it shall inform the student of the right of an appeal to the Dean of the Faculty.

If the student does not appeal after two weeks, the Associate Director may forward the recommendation to the Dean.

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

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

6.4 Currency Requirement for Degree and Program Completion
The Faculty of Education reserves the right to impose currency requirements for degree/program completion. Course work more than 10 years old will be subject to a review to determine whether its content is outdated. Students whose course work is considered outdated by the Director of Teacher Education Programs in consultation with the department or school of the Faculty will be required to replace or update the course work concerned.

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

6.5 Practica Regulations
6.5.1 General
Through the Faculty of Education, the University reserves the right to approve any school that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

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

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

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

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

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

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

6.5.5 Practicum Denial and Withdrawal

Practicum Denial Preprofessional
a) Practicum Denial
Students will be denied the practicum experience if their preparation in required course work and/or practicum planning is deemed unsatisfactory by their instructor(s) and/or the Director of Teacher Education Programs.

b) Required Withdrawal
Students may be required to withdraw from the practicum with a failing grade if their performance in the practicum or their practicum preparation is considered unsatisfactory by one of: course instructor, sponsor teacher, or supervisor, and the Director of Teacher Education Programs.

c) Voluntary Withdrawal
Students seeking voluntary withdrawal during a practicum must receive permission to do so from the Director of Teacher Education Programs. Their request must be in writing and contain the reasons for the request. Students whose performance is deemed unsatisfactory at the time of withdrawal will receive a failing grade.

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

6.5.7 Appeals of Practica Decisions
Students may follow the appeal procedures within the Faculty, described on page 60. The UVic appeal procedures are outlined on page 39.

6.6 Graduation
6.6.1 Graduation Requirements
Students should refer to the regulations concerning graduation, page 38.

To be eligible for a Bachelor of Education degree, the candidate must normally have earned:
1. a passing grade in each of the courses in the degree program
2. 21 units of courses at the 300 and 400 levels* Candidates having completed a secondary program must have
   - a Grade Point Average of at least 3.0 on the work of the professional year
• a Grade Point Average of at least 4.0 in each of the teaching areas; and a Grade Point Average of at least 3.0 on all work taken subsequent to the professional year. Failed courses will be counted in computing the Grade Point Average. Candidates having completed an elementary program must have a Grade Point Average of at least 4.0 on each session.

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

6.6.2 Graduating Average

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

The designation of “With Distinction” will be granted to the top 15% of students graduating from an Undergraduate Faculty of Education Programme who have a GPA meeting or exceeding 6.5. In the event that the top 15% in a programme 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” (refer to page 39).

6.7 Appeals

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

7.0 Professional Preparation and Practica

7.1 School Experience, Student Teaching and Seminars

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

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

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

7.1.1 Elementary Programs

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

Students will begin the ED-P 200 and 300 practica after they have written final examinations in April. Students should plan to be in schools until the end of May.

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

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

7.1.2 Secondary Programs

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

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

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

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

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

ED-P 798 —Internship Program Option

All students selected for the internship program option must be prepared to remain in their practicum school from the beginning of public school in September until the end of classes in June. Students in professional year should be aware that they must complete successfully all summer and fall term course requirements before they are allowed to take the practicum. Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of Teacher Education.

7.2 Teacher Certification

7.2.1 The BC College of Teachers

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

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

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

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

7.2.2 The Teacher Qualification Service

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

7.2.3 Procedures and Documentation

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

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

8.0 Bachelor of Education (Elementary Curriculum)

8.1 Program Admission

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

8.1.1 Admission Requirements

The requirements for admission to the elementary program are:

a) admissibility to the university
b) at least 30 units of credit
c) completion of Years One and Two (refer to BEd Professional Degree Program, page 63)
d) demonstrated competency in written English (see page 58)
e) 3 units approved mathematics with a minimum Grade Point Average of 3.0 (C+)
f) a sessional Grade Point Average of at least 4.0 (B-) on the most recent session and, if that session is less than 12 units, a Grade Point Average of at least 4.0 on the most recent 12 units. Grades for duplicate course work taken during the most recent session are not normally included.
8.2 Program Details

8.2.1 General Information

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

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

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

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

8.2.2 Program Formats

(a) BEd Professional Degree Program

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

Years One and Two

(at UVic or another recognized post-secondary institution)

Two of ENGL 115 or 135, ENGL 125, 145 (or other approved English) ..............................3.0
Approved Canadian Studies (HIST 130 or other approved course) ........................................3.0
MATH 160A and 160B (or other approved mathematics) .........................................................3.0
Approved Laboratory Science ..........................................................3.0
Approved Electives ........................................................................7.5
Approved Academic Elective(s) .....................................................3.0
Approved Senior Academic Electives ...........................................7.5
Total ..................................................................................30.0

Year Three

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

Year Four

EDCI 402 (Reading: Instructional Principles and Strategies) .................1.5
EDCI 403 (Curriculum and Instruction in Elementary Science) ...........1.5
EDCI 404 (Curriculum and Instruction in Elementary Social Studies) ....1.5
EDCI 405 (Curriculum and Instruction in Elementary Mathematics) ....1.5
EDCI 406 (Instructional Technology) ........................................1.0
EDCI 305 (Drama Education: A Medium for Learning) ................2.0
EDCI 307 (Art in the Elementary Classroom) ..............................2.0
ED-D 420 (Learning Support) ..................................................1.0

EDCI 450 (Community, Culture and Environment) .........................1.0
EDCI 460 (Contemporary Literacies and Creative Expression) ..........1.0
ED-P 300A (School Experience) ...............................................2.5
Total ................................................................................16.5

Year Five

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

Eligible for PROFESSIONAL CERTIFICATE

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

Notes:

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

EDCI 451 (1.5) Community and Culture and three of
EDCI 452 (1.5) Cultural Studies in Education
EDCI 453 (1.5) Ecology for Teachers
EDCI 454 (1.5) Environmental Education
PE 435 (1.5) Cultural and Outdoor Physical Activity
EDCI 455 (1.5) Evolution of Educational Ideas
EDCI 456 (1.5) Community Development Project
EDCI 457 (1.5) English as a Second Language
### 9.0 Bachelor of Education Post-Degree Professional Program (Elementary)

#### 9.1 Program Admission

Initial admission to the elementary post-degree professional program may be granted only after completion of an undergraduate degree at an accredited university. Individual interviews may be required as deemed appropriate by the Faculty. Additional information about the admission requirements can be found online at [www.educ.uvic.ca/ete](http://www.educ.uvic.ca/ete).

#### 9.1.1 Admission Requirements

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

- a) admissibility to the university
- b) a degree from an accredited university
- c) 3.0 units of approved English
- d) demonstrated competency in written English
- e) 3.0 units of approved Canadian Studies
- f) 3.0 units of approved mathematics with a minimum Grade Point Average of 3.0 (C+)
- g) 3.0 units of approved laboratory science
- h) a sessional Grade Point Average of at least 4.0 (UVic B-) on the most recent two years (30 units) attempted to December 31. Grades for duplicate course work are not normally included.

#### i) Submission of Application and Transcripts

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

All requirements for admission must be completed by April 30 and documented by May 31. Maximum enrollments have been established; therefore the Faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible, but final acceptance may not be until later in May.

An application package is available online at [www.educ.uvic.ca/ete](http://www.educ.uvic.ca/ete) by mid-October. The application(s), applicable application fees and all supporting documents must be received at the Office of the Administrative Registrar by January 31. Transcripts showing completion of course work taken in the January to April period must be received by May 31.

Students of exceptional ability who do not meet the stated admission requirements may appeal to the Faculty Appeals and Adjudication Committee for consideration. “Exceptional” may be considered in terms of high Grade Point Average, relevant work experience, or unique academic qualifications.

Students offered admission prior to April 30 who drop required courses or whose Grade Point Average during the January to April term subsequently drops below the minimum will lose their eligibility, and the offer will be withdrawn.

#### Acceptance Deposit—Teacher Education Programs (Elementary and Secondary)

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

#### Notes

1. Composition and literature courses taught by an English department are acceptable. At least 1.5 units of literature must be included. BC College of Teachers regulations do not allow us to accept creative writing, journalism or technical writing courses. The Faculty requires students to demonstrate competency in written English. For full information, see 3.4.

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

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

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

#### 9.2 Program Details

#### 9.2.1 General Information

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

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

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

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

Graduation requirements are found on page 60.

#### 9.2.2 Program Formats

#### a) BEd Post-Degree Professional Program

This program is designed to be taken over 16 consecutive months, commencing September 2006 and concluding December 2007. Students admitted to this program prior to 2005 should refer to the program format in the 2004 Winter Calendar.

#### Winter Session: September–April

<table>
<thead>
<tr>
<th>ED-D 301 ( Learners and Learning Environments)</th>
<th>1.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 302 (Literacy and Language in the Elementary School)</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 403 (Curriculum and Instruction in Elementary Science)</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 404 (Curriculum and Instruction in Elementary Social Studies)</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 405 (Curriculum and Instruction in Elementary Mathematics)</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 406 (Instructional Technology)</td>
<td>1.0</td>
</tr>
<tr>
<td>PE 304 (Physical Education for General Classroom Teachers)</td>
<td>2.0</td>
</tr>
</tbody>
</table>

1 of EDCI 305, 306, 307 ( Drama, Music or Art Education) | 2.0 |

#### Summer Session: June–August

| EDCI 402 (Reading: Instructional Principles and Strategies) | 1.5 |
| EDCI 303 (Historical and Philosophical Foundations of Canadian Education) | 1.5 |
10.0 Bachelor of Education (Secondary Curriculum)

10.1 Program Admission

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

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

10.2 Admission Requirements

The requirements for admission to the secondary program are:

1. applications must be submitted to Undergraduate Admissions and Records no later than January 31
2. admissibility to the university
3. at least 12 units of credit including 3 units of English
4. a sessional Grade Point Average of at least 3.0 on the most recent session and, if that session is less than 12 units, a Grade Point Average of at least 3.0 on the most recent 12 units
5. admissibility to a teaching area in art, music, or physical education

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

Teachers who wish to be accepted into this program with credit from other institutions, including professional training, must first make application in the normal manner to Undergraduate Admissions as detailed on page 21. Those whose studies commenced more than 10 years ago are also referred to page 60.

10.3 Professional Year Admission

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

1. Applications must be submitted to Undergraduate Records no later than December 31.
2. All courses specified for the preprofessional years of the program, with the exception of electives, must be complete. In addition, candidates presenting a second language teaching area must pass an oral competency examination.
3. Successful completion of the Faculty’s written English competency requirement, page 58.
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 have 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. Students with a teaching area in Art and/or Music should also refer to paragraph two under the heading Program Details, below.

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

Teachers who wish to be accepted into this program with credit from other institutions, including professional training, must first make application in the normal manner to Undergraduate Admissions as detailed on page 21. Those whose studies commenced more than 10 years ago are also referred to page 60.

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

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

10.4 Program Description

This is a five-year program leading to a Bachelor of Education (Secondary Curriculum) degree and professional teacher certification. The program is available only to students accepted into the teaching areas of Art, Music, and Physical Education. Each of these areas has a limited quota and there are specific prerequisites, including an interview, for admission to each. Those who wish to teach other subjects should obtain preparation through an academic program in another faculty and apply for the Post-Degree Professional Program described on page 63.

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

Physical Education must be taken with another approved area.

The course requirements for these areas are shown below.

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

Attendance at five Winter Sessions is normally required. It is possible to transfer courses taken from BC regional colleges or elsewhere if they are equivalent to program requirements. Students should obtain advice from the Secondary Academic Adviser to ensure that courses taken will carry credit toward any particular program.

Year Five is the professional year in which students spend an extended time in the schools and take courses on campus that are directly related to their professional training. In order to gain admission to the professional year, students must meet the requirements specified above. Normally all courses listed for this year are taken as a coordinated program during one full Winter Session. Attendance at all orientation sessions, field activities and classes is expected. Because of the professional involvement off campus during this year, students are not normally permitted to take courses in addition to those specified. Any exceptions must be approved by the Director of Teacher Education.

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

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

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

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

10.5 MINIMUM DEGREE REQUIREMENTS

The minimum degree requirement is successful completion of the following:

Required Education courses..........21 units
Required Social Science, Science,
Humanities and Fine Arts courses......6 units
Teaching area(s) courses (including
prerequisites and corequisites)........37.5 units
Electives.....................................................up to 10.5 units
Total.......................................................75 units

10.6 YEARS ONE TO FOUR

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

10.6.1 General Program Requirements

ENGL 115 or 135 and 125 or 145..........3.0
ED-D 401..................................................1.5
ED-D 406..................................................1.5
ED-P 498..................................................1.5
Approved academic electives.............3.0
Total.......................................................12.0

Art

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

Area:
AE 103...................................................3.0
AE 200...................................................1.5
AE 201...................................................1.5
AE 303 or 309........................................3.0 or 1.5
AE 315...................................................1.5
AE 316 or 317........................................1.5
AE 401...................................................3.0
Courses chosen from: AE 205,
208, 305, 306, 307, 308, 310, 316,
317, 319, any 402...............................3.0 or 4.5
Total....................................................18.0

Option 1 Expanded Art

Approved Art Education.........................7.5
Approved upper-level art or History in Art....9.0
Electives..................................................10.5
Total..................................................27.0

Option 2 Second Teaching Area

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

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

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

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

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

Music (Choral)

Area:
ME 101..................................................1.5
ME 201..................................................1.5
ME 216..................................................2.0
ME 301..................................................1.5
ME 303A or 308 ......................................1.5
ME 401..................................................1.5
ME 402..................................................1.5
ME 403..................................................1.5
MUS 101A, 101B, 170...............................4.0
MUS 120A and one of 120B, 220A, 220B........3.0
MUS 356A and 356B...............................3.0
Two of MUS 180, 280, 380, 480; ME 120,
121, 220, 221........................................2.0
Total....................................................24.5

Approved second teaching area
plus electives.........................................23.5

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

Music (Instrumental)

Area:
ME 101..................................................1.5
ME 201..................................................1.5
ME 216..................................................2.0
ME 301..................................................1.5
ME 316..................................................1.0
ME 401..................................................1.5
ME 402..................................................1.5
ME 403..................................................1.5
MUS 101A, 101B, 170...............................4.0
MUS 120A and one of 120B, 220A, 220B........3.0
MUS 356A and 356B...............................3.0
Two of MUS 180, 280, 380, 480; ME 120,
121, 220, 221........................................2.0
Total....................................................24.0

Approved second teaching area
plus electives.........................................24.0

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

Music (Expanded)

Area:
ME 101..................................................1.5

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ME 120 or 121...........................................1.0
ME 201..................................................1.5
ME 216..................................................2.0
ME 301..................................................1.5
ME 316..................................................1.0
ME 319..................................................1.5
ME 401..................................................1.5
ME 402..................................................1.5
ME 403..................................................1.5
MUS 101A, 101B, 170...............................4.0
MUS 120A and one of 120B, 220A, 220B........3.0
MUS 201A and 201B...............................3.0
MUS 270................................................1.0
MUS 331................................................1.5
MUS 332................................................1.5
MUS 333................................................1.5
MUS 356A and 356B...............................3.0
Two of MUS 180, 280, 380, 480; ME 120,
121, 220, 221........................................2.0
Total....................................................35

Courses chosen from an approved second
teaching area............................................7.5
Electives................................................5.5
Total units...............................................60.0

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

Physical Education**

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

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

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

* Students must possess their Bronze Medallion Certificate or take PE 105.
** Students should note that each skill performance and analysis course (PE 104-135) is scheduled for 24 hours of instruction. Students should also refer to Credit for Skill Performance and Analysis Courses on page 59 of the Calendar.
### 10.6.2 Teaching Areas (Secondary)

The following teaching areas must be taken in conjunction with Art, Music or Physical Education.

#### Art

Restricted admission; see section 10.2, page 64.

**Corequisites:**

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

**Area:**

AE 103 ..................................................... 3.0
AE 200 ..................................................... 3.0
AE 201 ..................................................... 1.5
AE 303 or 309 ........................................... 3.0 or 1.5
AE 315 ..................................................... 3.0
AE 316 or 317 ............................................ 1.5
AE 401 ..................................................... 3.0

Courses chosen from: AE 205, 208, 305, 306, 307, 308, 310, 316, 317, 319, any 402 ....5.0 or 4.5

**Total** ..................................................... 18.0

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

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

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

#### Biological Sciences

**Corequisites:**

CHEM 101 ................................................. 1.5
CHEM 102 ................................................. 1.5
CHEM 231 ................................................. 1.5
MATH 100 or other approved math .......... 1.5
STAT 255 .................................................. 1.5

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

**Area:**

BIOC 200 .................................................. 1.5
BIOL 190A .................................................. 1.5
BIOL 190B .................................................. 1.5
BIOL 215 .................................................. 1.5
BIOL 225 .................................................. 1.5
BIOL 230 .................................................. 1.5
BIOL 365 .................................................. 1.5
BIOL 366 .................................................. 1.5

Approved upper-level biology .......................... 3.0

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

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

#### Chemistry

**Corequisites:**

MATH 100 .................................................. 1.5
MATH 101 .................................................. 1.5

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

**Area:**

CHEM 101 .................................................. 1.5
CHEM 102 .................................................. 1.5
CHEM 213 .................................................. 1.5

CHEM 222 .................................................. 1.5
CHEM 231 .................................................. 1.5
CHEM 235 .................................................. 1.5
CHEM 245 .................................................. 1.5

Approved upper-level chemistry courses* .............................. 4.5

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

* MATH 200 is prerequisite to some upper-level courses.

#### English

**Corequisites:**

EDCI 350 .................................................. 1.5 or 3
EDCI 353A .................................................. 1.5

**Area:**

EDCI 353B .................................................. 1.5
Two of ENGL 200A, 200B, 200C .......... 3.0
ENGL 215 .................................................. 1.5
ENGL 366B and 366C, or 366D and 366E ... 3.0
3 units from ENGL 448, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460 .... 3.0

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

#### French

**Area:**

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

Approved Senior French* ................................. 3.0

**Total** ..................................................... 16.5

* 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**

#### German

**Corequisite:**

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

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

**Area:**

GER 100A, 100B, 200, 200 level; or GER 149 ..... 6.0
GER 254 .................................................. 1.5
GER 261 .................................................. 1.5
GER 300 level language courses ..................... 3.0
GER 400 level language courses ..................... 3.0

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

#### History

**see Social Studies**

#### Mathematics

**Area:**

MATH 100 .................................................. 1.5
MATH 101 .................................................. 1.5
MATH 233A .................................................. 1.5
MATH 233C .................................................. 1.5
MATH 362 .................................................. 1.5
MATH 368A .................................................. 1.5
One of STAT 260, 252, 255 ......................... 1.5
One of STAT 261, 256 ................................. 1.5
Two of CSC 110, 115, 212 ...................... 3.0

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

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

#### Music (Choral)

Restricted admission; see section 10.2, page 64.

**Area:**

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

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

#### Music (Instrumental)

Restricted admission; see section 10.2, page 64.

**Area:**

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

**Total** ..................................................... 24.0
Physical Education**
Restricted admission; see section 10.2, page 64.

Area:
PE 106, 107, 120 and 122 .................. 2.0
One of PE 109 or 114 ....................... 0.5
One of PE 116 or 117 ....................... 0.5
One of PE 121, 123, 124, 125 .......... 0.5
Two of PE 113, 119, 126, 134, 135 .... 1.0
Two courses from PE 104-135* .......... 1.0
PE 141 ........................................ 1.5
PE 143 ........................................ 1.5
PE 144 ........................................ 1.5
PE 241B ...................................... 1.5
PE 245 ........................................ 1.5
PE 341 ........................................ 1.5
PE 344 ........................................ 1.5
PE 346 ........................................ 1.5
PE 348 ........................................ 1.5
PE 350 ........................................ 1.5
PE 360 ........................................ 1.5
PE 361 ........................................ 1.5
PE 443 ........................................ 1.5
PE 452 ........................................ 1.5
One of PE 461A-M ......................... 0.5
One of PE 342, 347, 348, 351, 355, 357,
441, 445, 449, 455 ...................... 1.5
Total ........................................... 27.0

*Students must possess their Bronze Medallion Certificate or take PE 105.
**Students should be advised that each skill performance and analysis course (PE 104-135) is scheduled for 24 hours of instruction. Students should also refer to Credit for Skill Performance and Analysis Courses on page 59 of the Calendar.

Social Studies (with History Emphasis)

Corequisite:
GEOG 101A and 101B ...................... 3.0
Total ........................................... 3.0

Area:
Lower-level history ........................................ 6.0
Upper-level history ........................................ 6.0
Upper-level work chosen from any of the following: Geography, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies and/or Medieval Studies .................. 3.0
Total ........................................... 15.0

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

Theatre/Drama in Education

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

Area:
THEA 105 ...................................... 3.0
THEA 101 or 111 and 112 ............... 3.0
THEA 120 ...................................... 3.0
THEA 132 ...................................... 3.0
THEA 330 ...................................... 3.0
EDCI 487 (Theatre, Drama) and EDUC 444
or 2 of EDCI 487 (Theatre, Drama) .......... 3.0
Approved upper-level theatre .................. 3.0
Total ........................................... 21.0

Theatre may NOT be taken in combination with Physical Education.

10.7 YEAR FIVE: PROFESSIONAL YEAR

Regular Program Option

September to December
EDCI 352 .................................... 1.5
EDCI 431, 432, 433 or 434 ................ 3.0
One of the following:

Art Education
EDCI 706 .................................... 1.5
ED-D 337A .................................. 1.5
Approved second area curriculum and instruction course or ED-D 404 or approved Education elective .................. 1.5

Music Education
EDCI 761 .................................... 1.5
ED-D 337A .................................. 1.5
Approved second area curriculum and instruction course or ED-D 404 or approved Education elective .................. 1.5

Physical Education
PE 764 ..................................... 1.5
ED-D 337C .................................. 1.5
Approved second area curriculum and instruction course .................. 1.5

September to January
ED-D 430 .................................... 1.5

January to First week in May
ED-P 780 .................................... 1.5

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

11.1 PROGRAM ADMISSION

Maximum enrollments have been established; therefore the Faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible.

The deadline for receipt of application forms is December 31. A special set of application forms is required and may be obtained from the Secondary Division website <www.educ.uvic.ca/ssecprograms> or by writing to the Education Advising Centre after October 1. Please note that application and evaluation fees must accompany the program application and are due by December 31. All supporting official transcripts for post-secondary work completed by December 31 must be submitted by January 31. Transcripts showing completion of work in progress during the January to April period and, where applicable, the degree, must be received by May 31.

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

Acceptance Deposit

An acceptance fee of $150.00 is required from all students upon their acceptance of a place in the Secondary Post-Degree Program. This fee will be credited towards student fees at the beginning of the program. A student who withdraws from the program at least 30 days before the start date of the program will receive no refund.

The application and evaluation fees must accompany the program application and are due by December 31.

11.2 ADMISSION REQUIREMENTS

Applications will be considered from those who meet the following requirements:
1. a degree from an accredited university
2. a sessional Grade Point Average of at least 3.0 on the most recent session, and, if that session is less than 12 units, a Grade Point Average of at least 3.0 on the most recent 12 units, and on the most recent two years (30 units) (to December 31)
3. credit for 3 units of approved English
4. demonstration of written English competency; for full information, see page 58.
5. academic preparation in two teaching concentrations or in one teaching major chosen from the following list:
- CONCENTRATION: Minimum 9 units (18 semester hours) of approved upper-level credit with a minimum B- average (UVic 4.0). Teaching concentrations in Theatre and a second language other than French cannot be taken in combina-
tion and must be taken with another approved concentration.

MAJOR: minimum 15 units (30 semester hours) of approved upper-level credit with a minimum B- average (UVic 4.0). Theatre and second language other than French are not available as teaching majors.

(a) Art: Degrees with a concentration or major in visual arts must have their content approved in advance by the Faculty Adviser.

(b) Biology, Chemistry, Physics and General Science: Degrees with a concentration or major in any of these sciences approved by the Secondary Science Adviser. Specific requirements for each teaching area may be found on the Faculty of Education web page or in the Secondary Program Information package.

(c) English: Whether presenting a concentration or major, the following courses or their equivalents must be included:

1. ENGL 215
2. ENGL 366B and 366C, or 366D and 366E
3. 3 units from ENGL 448, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459
5. EDCI 350
6. EDCI 353A and 353B

(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 65, is acceptable.

(h) Music: Requires a University of Victoria Bachelor of Music with a Major in Music Education (Secondary) or an equivalent degree from another institution.

(i) Social Studies:

Major: Degrees presented for a major must include 3 units of Canadian history, 3 units of introductory geography and one of the following:

Geography Emphasis
- 12 units of upper-level Geography that include at least 1.5 units dealing with Canadian issues and 7.5 units from human, cultural, economic, regional, Pacific Rim, urban, political and/or geographical technology and methods
- 3 units upper-level work from History, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies or Medieval Studies

History Emphasis
- 3 units upper-level European history
- 9 units upper-level history
- 3 units upper-level work chosen from Geography, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies or Medieval Studies

Concentration: a concentration in Social Studies must include one of the following:

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

History emphasis
- 6 units of upper-level work in history, 3 units of Canadian history, 3 units of introductory Geography, and 3 units of upper-level work in any of the following: Geography, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies or Medieval Studies

Note: Students may not apply to the program using geography and history concentrations as their two teaching areas.

(j) One of the following
- Theatre: Degrees with a concentration in Theatre must include the following courses or their equivalents: THEA 101 or 111 and 112, 105, 120, 132, 330, EDCI 487 (theatre, drama) and EDCI 444 or 2 of EDCI 487 and 3 additional units of approved upper-level theatre courses.
- German: Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- Japanese: Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- Mandarin: Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- Russian: Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- Spanish: Minimum 9 upper-level units. Applicants must pass an oral competency exam.

Students of exceptional ability who do not meet the stated admission requirements may appeal to the Faculty Appeals and Adjudication Committee for consideration. “Exceptional” may be considered in terms of high Grade Point Average, relevant work experience or unique academic qualifications.

11.3 Program Details

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

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

Successful completion of all courses listed under Certification Component (below) with a 3.0 average overall is necessary to qualify for certification.
is hoped that all courses will be offered over a
off-campus and through other agencies. While it
in Summer Sessions, although some courses may
entire program at the University of Victoria.

The Diploma program is intended to be offered
degree. Normally students must complete the
area of the Faculty, it may be possible to
for a second teaching area if appropriate.
students completing the component
in 1995-96 and thereafter, an additional 10 to
404 (unless already completed), is required
for the degree.
All students completing the Bachelor of Educa-
ture must have a total of at least 30 units
completed beyond their first degree and a Grade Point Average of 3.0 in order to qualify for graduation.

12.0 Diploma and Certificate Programs

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

Admission to the program normally requires teacher certification and at least one year's suc-
cessful teaching experience. For those teachers who have completed all or part of the former elementary program Library Education Teaching Area within the Faculty, it may be possible to replace those courses with other approved electives and complete the requirements of the Diploma. Please note that courses taken for which the Diploma is awarded may not apply toward a degree. Normally students must complete the entire program at the University of Victoria.
The Diploma program is intended to be offered in Summer Sessions, although some courses may be offered during the Winter Session both on and
off-campus and through other agencies. While it
is hoped that all courses will be offered over a
three-year cycle, it is not possible to assure stu-
dents that they can complete all the requirements
within that period. The program is subject to minimum enrollments; that condition may ad-
versely affect a student's plans to complete within
a specific time period.

Diploma in Teacher-Librarianship
(Elementary)
TL 432 ....................................................1.5
TL 433 ....................................................1.5
TL 434A ..................................................1.5
TL 435 ....................................................1.5
TL 437A ..................................................1.5
TL 438 ....................................................1.5
EDCI 494* ............................................1.5
EDCI 337 ................................................1.5
Approved elective ................................1.5
ED-D 430 .............................................1.5
ED-D 444 or ED-D 433 AND 434A .........1.5
Total ..................................................15.0
Pre- or corequisites:
EDCI 347A and EDCI 347B** ...............3.0
EDCI 348 .............................................1.5
EDCI 351 .............................................1.5

Diploma in Teacher-Librarianship
(Secondary)
TL 432 ....................................................1.5
TL 433 ....................................................1.5
TL 434 ....................................................1.5
TL 435 ....................................................1.5
TL 437 ....................................................1.5
TL 438 ....................................................1.5
EDCI 494* ............................................1.5
EDCI 337 ................................................1.5
Approved elective ................................1.5
ED-D 430 .............................................1.5
ED-D 444 or ED-D 433 AND 434A .........1.5
Total ..................................................15.0
Pre- or corequisites:
EDCI 348 .............................................1.5
EDCI 352 .............................................1.5
EDCI 353 .............................................3.0
* Directed studies
** May substitute other approved children's litera-
ture course (1.5-3)

12.2 CERTIFICATE IN KODÁLY
METHODOLOGY
This is a 9-unit program leading to a Certificate in Kodály Methodology in Music Education, de-
signed to provide teachers with a comprehensive background in both musicianship and pedagogy
based upon the Kodály system of music instruc-
tion.

Certificate Courses
Year One
ME 350 .............................................1.5
ME 351 .............................................1.5

Year Two
ME 450 .............................................1.5
ME 451 .............................................1.5

Year Three
ME 460 .............................................1.5
ME 461 .............................................1.5
This program is normally offered during Sum-
mer Session only. Courses applied toward this

12.4 DIPLOMA IN EDUCATIONAL
TECHNOLOGY (currently not available)
This is a 15-unit program, leading to a Diploma in Educational Technology, designed to qualify
practicing teachers to design and develop
programs integrating information technologies into instruction.

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

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

### Core Courses

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

Total Units for Diploma: 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, ESL, Early Childhood Education, Career and Personal Planning, Science, Mathematics, Adult Education, Art Education. These electives may be taken at institutions other than the University of Victoria.

Total Units for Diploma: 15.0

### 13.0 School of Physical Education

For information about the five-year Bachelor of Education secondary physical education teaching program, please refer to 10.6.2.

#### 13.1 Bachelor of Arts (BA) - Major in Recreation and Health Education Co-operative Education Program

The Recreation and Health Education (RHED) program is an interdisciplinary program and prepares students to enter the fields of recreation, wellness and health promotion leadership and administration primarily in the public and not-for-profit sectors. It provides preparation in the planning, implementation, evaluation and supervision of recreation, leisure, fitness, wellness and health promotion policies and programs that support social changes.

The Recreation and Health Education program is a minimum of a 4.5 year degree leading to the degree of Bachelor of Arts. It is available only on a co-operative model basis. Please refer to the general description of the Co-operative Education concept (page 44) and general regulations governing all co-operative education students (page 45).

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

Students transferring from college and universities should complete an Application for Admission form available from Undergraduate Admissions. Reregistering UVic students may obtain an application form from the School of Physical Education after November 1. Students are selected for entry into the program for the following September.

The deadline for receipt of application forms is January 31.

Applications will be considered from those who meet the following:

1. at least 12 units of credit, including 3 units of English
2. an interview by the School of Physical Education
3. academic preparation which includes the following:
   - a minimum Grade Point Average of 4.0 (on a 9-point scale) on the most recent session.
   - a minimum Grade Point Average of 4.0 (on a 9-point scale) on the most recent session.
   - a minimum Grade Point Average of 4.0 (on a 9-point scale) on the most recent session.
   - a minimum Grade Point Average of 4.0 (on a 9-point scale) on the most recent session.
   - 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 13.1.1. Applicants to the co-op program in Recreation and Health Education may be admitted into Co-operative Education after a successful interview, but before formal admission into the RHED program. Such students, with authorization from the Office of the Executive Director, Co-operative Education, may undertake a first co-op work term. In such cases, the co-op work term will be recorded as COOP 001 and, if successfully completed, will be accepted as one of the required work terms for the student’s co-op program. Subsequent work terms must be done as part of the Recreation and Health Education program. Authorization to take a co-op work term does not guarantee admission to the School of Physical Education.

In order to continue in this program, a Grade Point Average of at least 3.5 is required in every session attended.

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

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

#### 13.1.1 Recommended Sequence of Courses

**Year One:**

**Humanities, Science, or Social Sciences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 100 or 110</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total 3.0

**PE 141** | 1.5

Total 15.0

**Year Two**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 241B</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 243</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 244</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 252</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 253</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 270</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total 6.0

Electives | 15.0

Total 15.0

**Year Three**

September-December:

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

Total 5.0

**Year Four**

September - April:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Term I</td>
<td></td>
</tr>
<tr>
<td>Work Term II</td>
<td></td>
</tr>
<tr>
<td>Work Term III</td>
<td></td>
</tr>
<tr>
<td>Work Term IV</td>
<td></td>
</tr>
</tbody>
</table>

Total 15.5

**Year Five**

September - April:

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

Three Electives | 4.5

Total 7.5

**Total Units for Degree:** 60.0

1. Students must complete three skill performance and analysis courses from PE 104-133.
2. Of the 18.0 units of electives, normally 7.5 units must be approved upper-level courses from outside the Faculty of Education. As an option, 1.5 units of the 7.5 may be one of PE 344, 357, 449, 451 or 455.*

* PE 155 and 241B are prerequisites.
13.1.2 Interfaculty Minor
A student who completes the requirements for the RHED program, and also completes the courses prescribed for one of the academic units listed under the General Program or the courses prescribed in the Calendar for a Minor program offered in another faculty, will receive a Minor in that academic unit. The Minor will be added to the student's academic record only if the courses taken for the Minor are not part of the core requirements for the RHED program, and only if the student formally declares the Minor program through the Education Advising Centre. Only one Minor may be declared. Students interested in pursuing an Interfaculty Minor should discuss this program with an Education Adviser. Note that a Minor in Kinesiology is not available.

13.2 Bachelor of Science BSc (Kinesiology)
The School of Physical Education offers Major programs in the area of Kinesiology, which include the option of studying under a co-operative education model. An Honours degree is also available to those students seeking research experience. The Major program requires a degree of specialization in the last two years of study. This degree may permit students to proceed to a professional position in the various fields associated with Kinesiology, or to proceed towards graduate study, or medical or paramedical studies (including chiropractic, physiotherapy, occupational therapy).

Students should note that many of the course requirements of the BSc degree have secondary school prerequisites, including a minimum of Biology 11, Chemistry 11 (Chemistry 12 recommended), Math 12 and Physics 11.

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

13.2.1 Major
Students transferring from college and universities should complete an Application for Admission form available from Undergraduate Admissions. Reregistering UVic students may obtain an application form from the School of Physical Education after November 1.

The deadline for receipt of application forms is January 31 for entry into the program the following September.

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

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

13.2.2 Honours
Students in the Kinesiology Major program seeking an Honours degree should apply to the Kinesiology program coordinator before the start of the third year of the program. Applicants require a minimum 6.0 Grade Point Average in all physical education courses (excluding PE 100 level courses) and a Grade Point Average of 5.0 in non-physical education courses.

If accepted, honours students are responsible for finding a supervisor for their honours thesis. All requirements should be completed within five academic years. The completed thesis will be examined by a three-person committee including the supervisor. To graduate with an honours degree, a student must have a minimum 5.0 Grade Point Average for all work outside the School. An Honours degree will be awarded to students who obtain:
1. a graduating average of at least 5.0
2. a Grade Point Average of at least 5.5 for 300- and 400-level School of Physical Education courses
3. a grade of at least B in PE 499

An Honours degree with distinction will be awarded to students who obtain:
1. a graduating average of at least 6.5
2. a Grade Point Average of at least 6.5 for 300 and 400 level School of Physical Education courses
3. a grade of at least A in PE 499.

A student who achieves a grade lower than B- in PE 499 will graduate under the Major program, providing all other requirements for the degree are fulfilled. The submission date for the thesis in PE 499 is the last day of classes.

BSc Kinesiology Major and Co-op students accepted into the Honours program follow the same course sequence requirements for the Major and Co-op degrees, with the following modifications:
1. addition of an approved Statistics course (1.5 units), PE 357 (1.5 units) and PE 499 (3.0 units)
2. reduction of senior PE electives by 1.5 units and non-PE electives by 3 units.

13.2.3 Recommended Sequence of Courses BSc Kinesiology Major and Honours
The BSc Kinesiology Honours program is a 61.5 unit degree.

Year One
(Humanities, Science or Social Sciences)
BIOL* ...............................................................3.0
CHEM* .............................................................3.0
PE 141* ............................................................1.5
PE 143 ...............................................................1.5
PE 155 ...............................................................1.5
ENGL .................................................................3.0
Electives (see note 3) .........................................1.5
Total for year..................................................15.0

Year Two
MATH* .............................................................3.0
PHYS* ..............................................................3.0
PE 241A* ..........................................................1.5
PE 241B* ..........................................................1.5

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PE 245 .................................................................1.5
PE 253 .................................................................1.5
One of PE 104-135 ..............................................0.5
Electives (see note 3) .........................................3.0
Total for year..................................................15.5

Year Three
PE 341* .............................................................1.5
PE 344* .............................................................1.5
PE 360* .............................................................1.5
PE 380* .............................................................1.5
One of PE 104-135 ..............................................0.5
PE 300-400 level ..................................................4.5
Electives (see note 3) .........................................6.0
Total for year..................................................14.0

Year Four
PE 441* .............................................................1.5
PE 444* .............................................................1.5
PE 447 (full-year course) ....................................1.5
One of PE 104-135 ..............................................0.5
PE 300-400 level ..................................................4.5
Electives (see note 3) .........................................6.0
Total for year..................................................15.5

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

* science designated course

Notes (Major and Honours):
1. The Bachelor of Science Kinesiology degree requires 33 science-designated units.
2. Students must take at least 3.0 units in each of the four basic sciences (BIOL, CHEM, MATH and PHYS).
3. At least 12 units of electives must be selected from courses offered by the following science departments, and at least 9 of these must be at the 300 or 400 level: Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematics and Statistics, and Physics and Astronomy. In addition, approved courses offered by the Department of Psychology and Anthropology, and the School of Earth and Ocean Sciences may be used as science electives; a complete list of approved courses may be obtained from Education Advising. Courses in these departments designated for non-science students WILL NOT be accepted as part of the 12 units of required sciences in the BSc Kinesiology programs.

13.2.5 BSc Major In Kinesiology - Co-operative Education Program
Please refer to the general description of the Co-operative Education concept (page 44) and general regulations governing all co-operative education students (page 45).

All students should follow the academic guidelines described in section 13.2.6. Applicants to the co-op program in Kinesiology may be admitted into Co-operative Education after a successful interview, but before formal admission into the Kinesiology program. Such students, with authorization from the Office of the Executive Director, Co-operative Education, may undertake a first co-op work term. In such cases, the co-op work term will be recorded as COOP 001 and, if successfully completed, will be accepted as one of the required work terms for the student's co-op program. Subsequent work terms must be done as part of the Kinesiology program. Authorization to take a co-op work term does not guarantee admission to the School of Physical Education.
Work term credit by challenge is not permitted in the BSc Kinesiology Co-op program.

Students must maintain a Grade Point Average of at least 3.5 and must complete three Work Terms (each a minimum duration of 13 weeks). Please note that participation in the co-operative education program adds to the length of time required for successful degree completion.

Each Work Term is noted on the student's academic record (grading: COM, N or F). A student who does not complete a Work Term satisfactorily will normally be required to withdraw from the program. The performance of students in this program will be reviewed after each campus term and each Work Term. Students whose performance is deemed unsatisfactory will be so informed and will be advised of the conditions they are to satisfy in order to remain in the program.

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

Years 1 and 2 are the same as for the non-co-op Major.

<table>
<thead>
<tr>
<th>Year One (Humanities, Science or Social Sciences)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL* ......................................................... 3.0</td>
</tr>
<tr>
<td>CHEM* ......................................................... 3.0</td>
</tr>
<tr>
<td>PE 141* ....................................................... 1.5</td>
</tr>
<tr>
<td>PE 143 ......................................................... 1.5</td>
</tr>
<tr>
<td>PE 155 ......................................................... 1.5</td>
</tr>
<tr>
<td>ENGL ........................................................... 3.0</td>
</tr>
<tr>
<td>Electives (see note 3) .................................... 1.5</td>
</tr>
<tr>
<td><strong>Total for year</strong> ........................................... 15.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH* ......................................................... 3.0</td>
</tr>
<tr>
<td>PHYS* ......................................................... 3.0</td>
</tr>
<tr>
<td>PE 241A* ....................................................... 1.5</td>
</tr>
<tr>
<td>PE 241B* ....................................................... 1.5</td>
</tr>
<tr>
<td>PE 245 ......................................................... 1.5</td>
</tr>
<tr>
<td>PE 253 ......................................................... 1.5</td>
</tr>
<tr>
<td>One of PE 104-135 ........................................ 0.5</td>
</tr>
<tr>
<td>Electives (see note 3) .................................... 3.0</td>
</tr>
<tr>
<td><strong>Total for year</strong> ........................................... 15.5</td>
</tr>
</tbody>
</table>

At the end of Year Two:

**Work Term #1**

**Year Three**

**Work Term #2 and possibly #3**

PE 341* ......................................................... 1.5
PE 344* ......................................................... 1.5
PE 354B (summer) ........................................... 1.5
PE 360* ......................................................... 1.5
PE 380* ......................................................... 1.5
One of PE 104-135 ......................................... 0.5
PE 300-400 level ............................................. 3.0
Electives (see note 3) .................................... 4.5
**Total for year** ............................................ 15.5

<table>
<thead>
<tr>
<th>Year Four</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 441* ......................................................... 1.5</td>
</tr>
<tr>
<td>PE 444* ......................................................... 1.5</td>
</tr>
<tr>
<td>One of PE 104-135 ......................................... 0.5</td>
</tr>
<tr>
<td>PE 300-400 level ........................................... 4.5</td>
</tr>
<tr>
<td>Electives (see note 3) .................................... 6.0</td>
</tr>
<tr>
<td><strong>Total for year</strong> ........................................... 14.0</td>
</tr>
<tr>
<td><strong>Total Units for Degree</strong> ............................ 60.0</td>
</tr>
</tbody>
</table>

* science designated courses

**13.2.7 Interfaculty Minor, Double Honours or Major**

Students interested in pursuing an Interfaculty Minor or an Interfaculty Double Honours or Major should discuss this program with both the Program Co-ordinator and an Education Adviser.
Faculty of Engineering

The Faculty of Engineering offers a variety of undergraduate programs in the fields of Engineering and Computer Science. Programs leading to the degree of BEng are offered through the Departments of Electrical and Computer Engineering and Mechanical Engineering. A Bachelor of Software Engineering (BSENG) degree is offered jointly by the Departments of Computer Science and Electrical and Computer Engineering. Programs leading to the degree of Bachelor of Science are offered through the Department of Computer Science. Students in the Faculty also have a number of program options, including Software Engineering in Computer Engineering or Computer Science, and Co-operative Education, which is mandatory for students in the BEng and BSENG programs and the BSc Computer Science (Business Option) program, and optional for other BSc programs.
Faculty of Engineering

D. Michael Miller, BSc (Winn), MSc, PhD (Man), PEng, Dean of the Faculty
Fayez Gebali, BSc (Cairo), BSc (Ain Shams), PhD (UBC), PEng, Associate Dean (Undergraduate Programs) and Professor
Afzal Suleman, PhD (British Columbia), Associate Dean (Research) and Associate Professor
Scott Iverson, BS (California), MS (San Jose State), MSc (Ireland), PhD (Colorado), Senior Instructor
Marguerite E. Casey, BSc, MEd (UVic), Co-operative Education Coordinator (Computer Science and Mathematics)
George Csanyi-Fritz, PEng, Faculty Engineer
Belinda de Jong, BA (UVic), Administrative Officer, BSENG Program
Gary E. Duncan, BSc (UVic), MSc (Tor), Senior Programmer Analyst
Susan Fiddler, BMus (UVic), Co-operative Education Placement Coordinator
Marilee V. Garrett, BA (Brown), MSc (UVic), Co-operative Education Coordinator (Computer Science and Mathematics, and BSENG)
LeAnne Golinsky, Admissions/Advising Officer
Roel Hurkens, BSc (Wat), MSc (Tor), PPhys, Co-operative Education Coordinator
Megan Jameson, BA (UVic), Co-operative Education Placement Coordinator
Kevin Jones, Programmer Analyst
Shane Kerschtein, BEng (UVic), Programmer Analyst
Rhonda Karol, BSc (Toronto), MSc (UVic), Co-operative Education Coordinator
Carmen Leeming, BEng (UVic), MSc (Wat), Co-operative Education Coordinator
Sean McConkey, BSc (Wat), Co-operative Education Coordinator
Carol S. Roberts, DipTech (STI), BSc, MBA (Man), PEng, Co-operative Education Coordinator
Erin Sebastian, BSc, MSc (UVic), Administrative Officer
Seann Wagner, BSc (UVic), Programmer Analyst
Bruce Winter, CD, BSc (St Mary’s), MSc (UVic), Engineering and Computer Science/Math Co-op Manager

General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Engineering offers the following degree options:
- BEng in Electrical Engineering
- BEng in Computer Engineering
- BEng in Mechanical Engineering
- BSENG in Software Engineering
- BSc in Computer Science

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

Admission requirements and regulations for the BEng and BSENG degree programs are described below. Admission requirements and regulations for the BSc degree programs are described on page 79.

The Co-operative Education Program is mandatory for all BEng and BSENG programs, for the BSc in Computer Science (Business Option, or Mechatronics and Embedded Systems Option), and the Combined Major in Health Information Science and Computer Science program. All students in these programs graduate with the Co-op designation on their academic documents.

Co-operative Education is optional for the other BSc programs in Computer Science. The Engineering Co-operative Education Program is described on page 77, the BSENG Co-operative Education Program is described on page 81 and the Computer Science Co-operative Education Programs are described on page 89.

AVAILABILITY OF COURSES TO STUDENTS IN OTHER FACULTIES

Computer Science (CSC) and Software Engineering (SENG) courses are open to all UVic students. Students who have not been admitted to the BEng or BSENG Programs in the Faculty of Engineering must obtain written permission from the Dean in order to register in Engineering (ENGR), Computer Engineering (CENG), Electrical Engineering (ELEC) or Mechanical Engineering (MECH) courses. Students not registered in an approved Faculty Minor will normally not be allowed to complete more than 6 units of such courses.

Visiting students within the Faculty of Engineering will be designated as having “non-degree program” status. Students with this status may take only a pre-approved set of specified courses. In certain cases, other students may be registered as non-degree students to provide them with the opportunity to establish their qualifications for entry or re-entry into a degree program offered by the Faculty.

Students pursuing a non-Engineering degree may elect to take a Computer, Electrical or Mechanical Systems Minor consisting of 9 units of Computer, Electrical or Mechanical Engineering, 4.5 units of which must be at the 300 level or above. Such Minors should be developed in consultation with the appropriate Engineering Department and approved by the Dean of the originating faculty of the student. Permission to register in courses and related prerequisites will be considered on a case-by-case basis and is at the discretion of the department. Students must declare the Minor with the advising centre of their originating faculty.

LIMITATION OF ENROLLMENT

Enrollment in any course or degree program may be limited by the availability of staff and resources. Applicants who meet the minimum academic requirements are not guaranteed admission to any program.

Bachelor of Engineering and Bachelor of Software Engineering Academic Regulations

PROGRAM ADMISSIONS

Application forms for undergraduate admission to the BEng and BSENG degree programs are available from Undergraduate Admissions and Records Services.

Completed applications must be submitted to Undergraduate Admissions and Records Services by April 30; the documentation deadline is May 31. Applicants will receive written acknowledgment that their application for admission to the BEng or BSENG degree program has been received by Undergraduate Admissions and Records Services and confirmation that their admission file is complete.

Bachelor of Engineering and Bachelor of Software Engineering

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

**Faculty of Engineering Undergraduate Programs**
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 75%.

Applicants Transferring from First-Year Science
Applicants who have completed first-year science at a university or college are eligible to be considered for admission. Applicants will be evaluated on a course-by-course and student-by-student basis. Applicants in this category should normally have taken at least 12 units of courses which transfer to the University of Victoria as CSC 110, MATH 100 and 101, PHYS 120 or 112, ENGL 115 or 135 or another first-year English course, and 4.5 units of other electives. The following courses are recommended as electives: CSC 115, CHEM 101 and 102, MATH 233A and a technical writing course. Students admitted with less than 15 units of credit that are applicable to the program may be required to take courses during a period when a Work/Other term is normally scheduled.

Applicants Transferring from a Two-Year Diploma Program
On successful completion of the appropriate six-month Engineering Bridge Program offered at Camosun College, students with two-year diplomas in Electronics or Mechanical Technology will be admitted to the third year of a BEng program while students with a two-year diploma in Computer Technology may be admitted to either the third year of a BEng or BSENG program. 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 in 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 SENG, detailed documentation supporting the credit request may be required; students should contact the BEng or BSENG Office for specific instructions before beginning studies in the Faculty. Credit for courses completed while outside the Faculty of Engineering will only be granted for courses in which a grade of C- or higher, or the equivalent, was awarded. For some courses a higher minimum grade may be required. The student must initiate all requests for course credit in the first term (four months) of registration in the BEng or BSENG program.

Course Challenges
The Faculty of Engineering does not offer course challenges.

Approved Substitutions for Courses Taken at UVic
Substitutions may be permitted, on a course-by-course basis, for students transferring into the BEng and BSENG program. Once taken, and provided the student has registered for the course, no request for substitution will be considered. Further, substitution of courses may only be requested at the time of registration. Students transferring into the BEng and BSENG program must request written permission of the Dean 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

Substitute Courses

<table>
<thead>
<tr>
<th>Engineering Courses</th>
<th>Substitute Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 160</td>
<td>CSC 115</td>
</tr>
<tr>
<td>CHEM 150</td>
<td>CHEM 101 and 102</td>
</tr>
<tr>
<td>MATH 133</td>
<td>MATH 233A</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 120 or 112</td>
</tr>
<tr>
<td>ELEC 216</td>
<td>PHYS 112 with grade of C or better</td>
</tr>
<tr>
<td>ENGR 240</td>
<td>ENGL 225</td>
</tr>
<tr>
<td>STAT 254</td>
<td>STAT 260</td>
</tr>
</tbody>
</table>
Program Change Requests
Students who have completed at least one term (two terms for first-year students) of full-time studies in the BEng or BSENG programs at UVic who wish to alter the prescribed program must file a Modified Program Application form with their respective departmental office.

Program change requests, including requests for leaves of absence, will be forwarded to the Dean, who will either approve or deny them, based in part on input received from the department concerned. Students must submit their requests before actually dropping or adding courses. Although every effort will be made to detect problems during this review process, students are solely responsible for difficulties resulting from prerequisite and timetable conflicts.

If program changes result in time away from the program, readmission to the program will depend on space being available at the time of reentry and the student's academic status at the time of the readmission request. Approval of a leave of absence does not guarantee the absence of timetable conflicts upon the student's reregistration into the program. The period of the leave of absence will not be included in the overall time for degree completion; however, the Faculty reserves the right to require that relevant course work be repeated if deemed necessary by the Dean and the department concerned.

Maximum Time for Degree Completion
Students not completing their programs within the specified time limits must have their program extension approved by the Dean. The starting month in determining the length of a student's program is the first month in which courses are taken in the BEng or BSENG programs at UVic.

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

Review of an Assigned Grade in BEng and BSENG Program Courses, Work Terms, and Work Term Modules
Any request for a review of a final grade must normally reach the Dean's office within 21 days after the release of assigned grades.

In exceptional circumstances, a student may undertake programs not bound by the above regulations. Such programs must be approved by the Dean before the student begins studies in the Faculty of Engineering.

Academic Performance
Grading
The grading system used for the BEng and BSENG degree programs is the same as that specified by the University (see Grading, page 36), with the following exceptions:

- A grade of D in a course implies a weak but marginally acceptable performance. While a D is a passing grade, an accumulation of D grades is an indication of overall weakness in a student's performance.
- A student may accumulate no more than 12 units of uncleared D grades in the BEng or BSENG program to be eligible to graduate.
- It is Faculty policy to award the grade of E to students in a CENG, ELEC, ENGR, MECH or SENG prefixed course if they fail the course with a mark of 35% or higher and have written the final examination and passed the lab (if present).
- The grade DEF is used for courses in which a deferred examination has been granted on the basis of illness, family affliction or other similar circumstances (see Deferred Exams, below).

Deferred Examinations
A student who fails a deferred examination may appeal the decision to the Chair of the department concerned.

Failed Standing
Students with Failed Standing in the BEng or BSENG programs are required to withdraw from the program and will not be permitted to retake any courses with prefixes of CENG, ELEC, ENGR, or MECH until such time as they are readmitted to a BEng or BSENG 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.

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 page 36. Grades from the BEng and BSENG Management Option will not be included in the graduation average. Grades for courses taken at outside institutions are not included in the GPA.

BEng and BSENG Standings
Satisfactory Standing
A student is in Satisfactory Standing if their sessional GPA is greater than or equal to 3.0.

Probationary Standing
A student is in Probationary Standing if their sessional GPA is greater than or equal to 2.0 but less than 3.0.

Students with Probationary Standing must attain Satisfactory Standing in the next sessional GPA.
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.
- 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 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.
- Applications for supplemental examinations, accompanied by the required fees, must be received by the B.Eng. Office by the dates indicated in table “Supplemental Examination Dates and Deadlines.”
- Students will normally be notified whether their application has been accepted or refused within four weeks of the appropriate application deadline. Fee payments for rejected applications will be returned.
- Supplemental examinations are scheduled by the Faculty and only include CENG, ELEC, ENGR, MECH; and SENG courses offered by the Electrical and Computer Engineering Department.
- For more information, and to apply for supplemental examinations, email <bengoffice@engr.uvic.ca>.

**Graduation Requirements**
Students must meet the following requirements in order to be eligible for graduation:
1. Successful completion of the full set of courses specified for the degree program.
2. Successful completion of four work terms (as defined by the students registered program) as specified below.
3. To have a graduating average of at least 3.0 and to currently be in Satisfactory Standing.
4. No more than 12.0 units of uncleared D grades in the BEng or BSENG Program on their academic record.

Students who obtain a GPA of at least 7.0 over the last two years of their program and who have no failing grades and not more than 3.0 units of D grades over the last two years of their program will graduate with the BEng or BSENG degree “With Distinction.”

Students who complete their graduation requirements “With Distinction” will be included in the Dean’s Graduation List.

The graduating average of a student in the BEng or BSENG program will be the weighted average of the grade values (other than COM, N, F and E) assigned to 300- and 400-level courses taken or challenged at UVic and used within the student’s degree program. Courses taken at the 500 level may be included in the graduating average if they are used to meet degree requirements. If the total unit value of such courses does not exceed 30 units, then all such courses will be included in the average. If the total exceeds 30 units, then the average will be taken on a maximum of 30 units of such courses, chosen so as to give the highest average, including, where necessary, the appropriate fraction of a course. A course that has been used to satisfy the requirements for one degree or in the calculation of the student’s graduating average for one degree cannot be used for credit towards another degree. Senior level courses used to complete the Management Option or a Minor in some other area are excluded from the graduating average computation.

### BEng and BSENG Program Requirements

**Courses Common to BEng and BSENG Programs (Engineering Core)**

Students in all BEng and BSENG degree programs must complete the Engineering Core courses listed below. Courses common to all BEng programs, but not required in the BSENG program, are also given in a second table. Additional requirements for each specific program are given under Program Requirements in the Departmental and BSENG Program entries.

**Courses Common to all BEng and BSENG Programs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 150</td>
<td>Engineering Chemistry</td>
</tr>
<tr>
<td>CSC 110</td>
<td>Fundamentals of Programming I</td>
</tr>
<tr>
<td>CSC 160</td>
<td>Fundamentals of Programming II for Engineers</td>
</tr>
<tr>
<td>ELEC 199</td>
<td>Laboratory in Engineering Fundamentals</td>
</tr>
<tr>
<td>ENGL 115</td>
<td>University Writing</td>
</tr>
<tr>
<td>or ENGL 135</td>
<td>Reading and Writing Across Disciplines</td>
</tr>
</tbody>
</table>

Additional Courses Common to all BEng Programs

- **CSC 349A**: Numerical Analysis: I
- **ELEC 216**: Electricity and Magnetism
- **ELEC 250**: Linear Circuits: I
- **ENGR 297+**: Technology and Society
- **MATH 200**: Calculus of Several Variables
- **MATH 201**: Introduction to Differential Equations
- **STAT 254**: Probability and Statistics for Engineers

*For ELEC and CENG students, may be replaced by a course in humanities or social sciences as required by CEAB guidelines for impact of technology on society. A current list of acceptable replacement courses may be obtained from the BEng Office.*

**Engineering Co-operative Education Program**

Students in the BSENG program should refer to the Interdepartment Program (BSENG) Requirements section of this entry (on page 81) to find the requirements for the Co-op component of that degree.

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

The general regulations found in the Co-operative Education Programs section of the calendar (page 45) will normally apply to BEng degree program students. However, where the BEng regulations differ from the Co-operative Education regulations, the BEng regulations will apply.

**BEng Co-op Requirements**

The Faculty will endeavour to inform students who appear to be at risk of violating any of these requirements. Failure to do so, however, in no way obligates the Faculty to waive a requirement at a later date.

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

**Work Term Sequence**

Work terms are normally of four months’ duration (minimum 13 weeks) and alternate with academic terms.

**Work Term Prerequisites**

Students normally must have successfully completed ENGR 020 (Introduction to Professional Practice) before undertaking their first work term but in all cases must successfully complete it before taking the second work term.
Students normally must also successfully complete the University English Requirement and ENGR 240 before undertaking their first work term but in all cases must complete this requirement before their second work term.

**Work Term Credits/Reductions**

Students must pass four work terms in order to qualify for the BEng degree. There are, however, several clearly defined situations where this requirement may be reduced by one or at most two work terms. Please note that the total work term credits/reductions that can be accumulated under this section is limited to a maximum of two.

1. A student with extensive technical work experience prior to admission to the program may apply to challenge for credit one or two work terms.

2. A student with recognized co-op work terms from another certified post-secondary institution may apply for transfer credit (to a maximum of two) toward the four required work terms if they have at least 12 units of academic credit from another institution towards the BEng degree. Detailed documentation supporting the credit request may be required.

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

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

Students must register for each work term by completing a Work Term Registration form, which is provided by the BEng Co-op Office. This form is normally submitted when the student submits the Work Term Application form. Students must be registered for the entire duration of the work term placement and, once registered, are not permitted to withdraw from the placement without penalty of failure, unless specific written permission has been granted by the Dean. Where permission is granted, an entry of WNF (Withdraw No Fault) will be entered on the transcript.

**Work Term Assessment**

The work term performance of each student will be evaluated on the basis of the student's performance of assigned work term tasks, as indicated in the employer's evaluation of the student, a written work term report evaluated by a designated member of the Faculty of Engineering, and a log of the student's work activities in a form that conforms to the requirements for log books set out by the AITC. A grade of COM, F or N will be assigned; 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.

The original logbook will be submitted at the end of the work term. Periodically, written reviews of the student's performance will be supplied by the employer and a final review must be submitted at the end of the work term.

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

**Work Term Fees**

The university assesses a registration fee for each work term attempted by the student while registered in one of its programs. A fee is also assessed for work term challenges but no fee is assessed for work term transfer credits.

**Status of Students on Work Terms**

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university-level credit courses without the permission of the Dean. Students who are not registered in academic terms or in work terms should make themselves aware of the implications of their lack of full-time status.

**Introduction to Professional Practice**

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

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

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

**BEng and BSENG Management Option**

The courses required for this option are offered from January to April and will normally be taken after term 3B. Enrollment in the Management Option is limited to students with third-year standing and is based on the most recent sessional GPA before the start of the option. Students must apply for admission to the BEng or BSENG Office before registering in any of the required courses. The application deadline is the start date of the Winter Session where the option is offered.

The Management Option consists of the following courses:

- **COM 220** Organization Behaviour
- **COM 240** Management Finance
- **COM 250** Fundamentals of Marketing
- **COM 270** Financial and Management Accounting for Specialists

**plus one of:**

- **ENT 402** Entrepreneurship and Small Business for the Non-Specialist
- **IB 301** The International Environment of Business

All of the above courses must be completed with a passing grade and collectively must be completed with a Grade Point Average of 2.0 or better.

Students who complete all requirements of a BEng or BSENG Program as well as all requirements of the Management Option will receive their BEng or BSENG degrees in the appropriate Engineering specialization. Their transcripts will bear the designation “Management Option.”

Students who fail to complete the requirements of the Management Option or elect not to enroll in this option, but otherwise complete all requirements of an Engineering program will receive their BEng or BSENG degrees without this designation on their transcripts.

Courses in the Management Option are governed by the regulations of the faculty offering the course and not by those pertaining to the BEng or BSENG Programs. All courses taken in the Management Option will count in the Faculty standing determination.

**BEng and BSENG Mechatronics and Embedded Systems (MES) Option**

The MES Option provides theoretical and practical education in the design of mechatronics and embedded systems. This option is open to students from each of the three departments in the Faculty of Engineering.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Students in either term 3A or 3B in the BEng or BSENG programs can apply to enter the option. Enrollment in the MES Option is limited. Information on eligibility and application procedures can be obtained from the BEng and BSENG Offices.

All students in the MES Option are required to take ENGR 466 as part of their program, as well as courses above their engineering degree requirements which are specific to each program. The academic requirements for the MES Option are outlined in the calendar entry for each program.

Credit for one work term will be given to students completing this option, due to the industrial exposure provided in ENGR 466.

Students who complete all requirements of a BEng or BSENG Program as well as all requirements of the MES Option will receive their degree in the appropriate Engineering specialization. Their transcripts will bear the designation “Mechatronics and Embedded Systems Option.”

Students who fail to complete the requirements of the MES Option or elect not to enroll in this option, but otherwise complete all requirements of an Engineering program will receive their BEng or BSENG degree without this designation on their transcripts.

Courses taken in the MES Option will be included in the Faculty standing review of students in the BEng and BSENG programs.
BEng and BSENG Technology Policy Option

Five courses (at least 7.5 units) are required for this option and are normally offered from January to April. During years when they are not offered in this term, other classes will be substituted for the requirements. A current list of acceptable courses may be obtained from the BEng or BSENG Office. Elective courses may be taken to complement an interest in a focus area of Sustainability & Environmental Assessment, Technology, Ethics & Society, or Health Care & Social Medicine. Enrollment in the Technology Policy Option is limited and is based on the most recent sessional GPA before the start of the option and a one-page essay expressing your motivation. Students must apply for admission to the BEng or BSENG Office before registering in any of its courses. The application deadline is the start date of the Winter Session where the option is offered.

The Technology Policy Option consists of two required courses concerning the following subject areas:
- Introduction to Anthropology
- International Politics
- Choice of two courses concerning the following subject areas:
  - Introduction to Environmental Studies
  - Biophysical Systems & the Human Environment
  - Introduction to the Philosophy of Science
  - Introduction to Social Problems
- Choice of one course concerning the following suggested subject areas:
  - Moral Problems of Contemporary Society
  - Professional & Business Ethics
  - Biomedical Ethics
  - Philosophy and the Environment
  - Environmental Economics
- Introduction to Resources
- Introduction to Political Theory
- Introduction to Comparative Politics
- Public Policy Analysis
- Canadian Public Policy
- Ancient Technology
- History of Technology
- Sociology of Health and Illness
- Environmental Sociology

Students who complete all requirements of a BEng or BSENG Program as well as all requirements of the Technology Policy Option will receive their BEng or BSENG degree in the appropriate Engineering specialization. Their transcripts will bear the designation “Technology Policy Option.”

Students who fail to complete the requirements of the Technology Policy Option or elect not to enroll in this option, but otherwise complete all requirements of an Engineering program will receive their BEng degree without this designation on their transcripts.

Courses in the Technology Policy Option are governed by the general University regulations and not by those pertaining to the BEng or BSENG Programs. All courses taken in the Technology Policy Option will count in the Faculty standing determination.

Minors

Minor degree programs are offered by all three departments within the Faculty of Engineering. The student should refer to the specific 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 MATH 100 and CSC 110 while registered in another faculty of the University. A student in another faculty who has completed one or more sessions at the University must also have satisfactory standing as defined by the University at the time of transfer.

Transfers from Other Institutions

To be eligible for admission to a BSc program in the Faculty of Engineering on the basis of work completed at a college or another university, a student must be eligible for transfer credit for at least 12 units of courses and have at least a 60% average on their most recent work. The student must also have been eligible for admission to the Faculty of Engineering had they applied to the University directly from secondary school or have completed courses while registered in another college or university which are equivalent to CSC 110 and MATH 100.

Admission to Specific Computer Science Programs

On admission, students are normally placed in the BSc Major Program.
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 37). The graduation standing for students in a BSc Honours Program is determined in accordance with the regulations described under Graduation Standing: Honours Program, page 84.

BSc Program Requirements
Requirements Common to All BSc Degrees
Each candidate for a BSc degree is required:
1. to have satisfied the University English requirement
2. to include in the first 15 units presented for the degree not more than 9 units in Computer Science and at least 3 units from each of two other departments within the Faculties of Engineering, Humanities, Science or Social Sciences
3. to include in the next 15 units presented for the degree at least 3 units from a department in the Faculties of Engineering, Humanities, Science or Social Sciences other than Computer Science
4. to include in the remaining units presented for the degree at least 21 units of courses numbered at the 300 or 400 level (this is a general University regulation); 18 of these units must be taken at UVic
5. to satisfy the requirements of a Major or Honours program in Computer Science as specified below
6. to present credit in a minimum of 60 units of university-level courses numbered 100 and above; at least 30 of these 60 units must normally be completed at UVic
7. to have the Department's approval for all courses selected for elective credit.

UVic/Malaspina University College Joint BSc in Computer Science Program
The University of Victoria, in co-operation with Malaspina University College, offers a Bachelor of Science degree program in Computer Science. Students in the program complete the first three years (45 units) of study at Malaspina University College in Nanaimo, BC, and the final year (15 units) of study at UVic and/or Malaspina University College.

Students are considered for entry into the program at the end of their second year. To be admitted to the program, students must have at least a C+ average. Entry to the program may be limited due to research restrictions at Malaspina University College or the University of Victoria. In that event, students will be admitted to the program on the basis of GPA standing in all university transfer credit courses attempted.

For the purposes of satisfying the minimum degree requirements for graduation:
- Malaspina University College offers the equivalents of CSC 320, 322, 330, 340, 355, 360, 370, 375, 405, 435, 454 and 485, and SENG 365 and 400 as partnership courses which are considered University of Victoria courses
- any university transfer course at the 100 or 200 level offered by Malaspina University College which has been approved for credit at the University of Victoria will be considered a University of Victoria course

These stipulations apply only to students enrolled in the UVic/Malaspina Bachelor of Science in Computer Science degree program.

The final 15 units of study must be completed at Malaspina University College and/or the University of Victoria, and the student must satisfy the degree requirements for a Bachelor of Science in Computer Science as described below, with the exception that the Malaspina equivalents of STAT 255 and 256 may be substituted for the STAT 260 requirement.

The provincial government may pass legislation giving Malaspina University College the authority to grant degrees for this program. In this event, the University of Victoria will withdraw from this partnership arrangement and not grant degrees for this program.

Interdepartment Program (BSENG) Requirements

Program Director: Hausi A. Müller, Dipl El Eng (ETH Zürich), MS, PhD (Rice), Professor
Manfred Baltmann, MA (Germany), Co-operative Education Coordinator
Belinda de Jong, BA (UVic), Administrative Officer
Marilee V. Garrett, BA (Brown), MSc (UVic), Co-operative Education Coordinator
LeAnne Golinsky, Admissions/Advising Officer
Kevin Jones, Programmer Analyst
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.

Academic Advice
Students wishing to obtain more information about the BSENG program should contact the Program Director. Students in the program may also find it helpful to discuss questions with the assigned faculty advisers in Computer Science and Electrical and Computer Engineering.

Program Requirements

First Year

Term 1A
- CSC 110 (1.5) Fundamentals of Programming: I
- MATH 100 (1.5) Calculus I
- MATH 113 (1.5) Matrix Algebra for Engineers
- GECH 141 (1.5) Engineering Fundamentals: I
- PHYS 122 (1.5) Mechanics for Engineers

Term 1B
- CHEM 150 (1.5) Engineering Chemistry
- CSC 160 (1.5) Fundamentals of Programming: II for Engineers
- 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 240 (1.5) Technical Writing
- MATH 122 (1.5) Logic and Foundations
- SENG 265 (1.5) Software Development Methods
- STAT 260 (1.5) Introduction to Probability and Statistics: I

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
- CSC 360 (1.5) Introduction to Operating Systems
- ELEC 360 (1.5) Control Theory and Systems: I
- SENG 321 (1.5) Requirements Engineering and Formal Specification
- SENG 380 (1.5) Applied Cost Engineering

Basic Science Elective (1.5) See entry below

Term 3B
- CSC 320 (1.5) Foundations of Computer Science
- CSC 370 (1.5) Database Systems
- SENG 360 (1.5) Security Engineering
- SENG 371 (1.5) Software Evolution
- Basic Science Elective (1.5) See entry below
- Complementary Studies Elective (1.5) See entry below

FACULTY OF ENGINEERING
### BSENG 4th Year Technical Electives

#### BSENG Electives List I
- **CENG 420**: Artificial Intelligence
- **CENG 450**: Computer Systems and Architecture
- **CSC 326**: Algorithms and Data Structures: II
- **CSC 405**: Computer Graphics
- **CSC 425**: Analysis of Algorithms
- **CSC 454**: Fault-Tolerant Computing
- **ELEC 426**: Robotics
- **ELEC 466**: System-on-Chip Engineering for Signal Processing
- **ELEC 485**: Pattern Recognition
- **MECH 466**: Microelectromechanical Systems
- **SENG 315**: Information and Knowledge Management
- **SENG 330**: Object-Oriented Software Development
- **SENG 410**: Multimedia Systems
- **SENG 412**: Ergonomics
- **SENG 450**: Network-centric Computing
- **SENG 462**: Distributed Systems and the Internet
- **SENG 466**: Software for Embedded and Mechatronics Systems
- **SENG 499**: Distributed Computing Technical Project (to allow for two-term projects)

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

#### Basic Science Electives

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

- **ASTR 200A, ASTR 200B**
- **BIOL 150A, BIOL 150B, BIOL 190A, BIOL 190B**
- **BIOL 102**
- **CHEM 102**
- **EOS 110, EOS 120**
- **MIR100**
- **PHYS 210, PHYS 216, PHYS 220**

#### Complementary Studies Elective

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

#### BSENG Required Courses

In addition to the courses listed above, BSENG students must also complete ENGR 020 (Introduction to Professional Practice) and ENGR 446 (Technical Report) in order to graduate.

#### BSENG Mechatronics and Embedded Systems Option Requirements

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

- **ENGR 466**: Integrated Mechatronics and Embedded Systems Project
- **MECH 486**: Sensors and Actuators for Mechatronic Systems

Note that ELEC 466 and MECH 466 can be taken as an Elective List I course.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Credit for one work term module will be given to students completing this option due to the industrial exposure provided.

Students who complete all requirements of the BSENG Program as well as all requirements of the Mechatronics and Embedded Systems option will receive their BSENG degree and their transcripts will also bear the designation, “Mechatronics and Embedded Systems Option.”

All courses taken in the Mechatronics and Embedded Systems option will be included in the Faculty standing review of students in the BSENG program.

### Academic Schedule: BSENG (Mechatronics and Embedded Systems Option)

See page 80 for Terms 1A, 1B, 2A, 2B, 3A, 3B and electives.

#### Term 3B4A
- **CENG 455**: Real Time Computer Systems
- **CENG 460**: Design and Analysis of Real-time Systems
- **MECH 486**: Sensors and Actuators for Mechatronic Systems

Two electives (3.0) from List I and/or List II

#### Term 4A
- **ENGR 466 (3.0)**: Integrated Mechatronics and Embedded Systems Project
- **ELEC 466**: System-on-Chip Engineering for Signal Processing
- **MECH 466**: Microelectromechanical Systems

Two electives (3.0) from List I and/or List II

#### Term 4B

- **SENG 401**: Media Applications
- **SENG 426**: Software Quality Engineering
- **SENG 466**: Software for Embedded and Mechatronics Systems

Two electives (3.0) from List I and/or List II

### BSENG Co-op Requirements

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

The general regulations found in the Co-operative Education Programs section of the calendar, page 45, will normally apply to BSENG degree program students. However, where these BSENG regulations differ from the Co-operative Education regulations, the BSENG regulations will apply.

### BSENG Co-op Requirements

The Faculty will endeavor to inform students who appear to be at risk of violating any of these requirements. Failure to do so, however, in no way obligates the Faculty to waive a requirement at a later date.
The BSENG Co-operative Education Office is responsible for overseeing and evaluating work placements, and the assignment of the work term grades.

**Work Term Module Definition and Sequence**

Co-op work experience consists of a number of blocks of full-time employment that will normally span four-month intervals and alternate with academic terms of similar length. However, work periods may, in exceptional circumstances, be as short as 1 month or as long as 16 months. No credit for work experience will be granted for periods with a single employer where the total time with that employer is less than 2 months.

A student undertaking an approved work placement must be registered in an appropriate set of Work Term Modules. A **Work Term Module** represents a one-month period of continuous employment and hence corresponds to one-fourth of a full work term. Each student must complete at least four work terms (each work term is a minimum of 13 weeks or a minimum of 455 hours) in order to graduate in the BSENG program.

**Work Term Module Prerequisites**

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

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

**Work Term Module Credits/Reductions**

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

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

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

**Work Placement Application and Registration**

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

Students must register for each work placement by completing a Work Term Module Registration form, which is provided by the BSENG Co-op Office. This form is normally submitted when the student submits the Work Placement Application form. Students must be registered for the entire duration of a work placement and, once registered, are not permitted to withdraw from the placement without penalty of failure, unless specific written permission has been granted by the Dean. Where permission is granted, an entry of WN (Withdraw No Fault) will be entered on the transcript.

**Work Term Assessment**

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

The work performance of each student will be assessed during and at the end of each continuous block of employment, with the formal work term credit assessment occurring at the end of each four-month aggregate of experience. At the end of each Work Term Module, the student will submit a copy of their logbook for that time period. The original logbook will be submitted at the end of four, eight, twelve and sixteen months of aggregated work experience. Employers will supply written reviews of the student’s performance at the end of the fourth, eighth, twelfth and sixteenth Work Term Module and at the end of any continuous period of employment.

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

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

**Co-op Fees**

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

**Status of Students on Work Placements**

Students completing three or more Work Term Modules, in a 4-month term, are considered to be enrolled in a full-time course of studies and may not take university-level credit courses without the permission of the Dean.

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

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

**Introduction to Professional Practice**

The Faculty of Engineering Co-op Program offers a series of non-credit workshops (ENGR 020) in each term of the Winter Session and during Summer Studies in order to assist students in: • preparation of résumés and cover letters • development of effective interview techniques • skills assessment and analysis • work term report preparation • understanding national and international placement standards • methods for developing independent co-op job contacts

All students are normally required to participate in these workshops in their 2A term (September-December). Students entering third year via the Bridge Program will normally complete these workshops in their first academic term (January-April).
Maarten van Emden, MSc (T. H. Delft), PhD (Amsterdam), Professor Emeritus
William W. Wadge, BA (Br. Coll), PhD (Calif, Berk), Professor
Jens H. Jahnke, Dr. rer. nat. (Paderborn), Associate Professor
Bruce Kapron, BMath (Wat), MSc (Simon Fraser), PhD (Tor), Associate Professor
Frank D.K. Roberts, MA (Cantab), MSc, PhD (Liv), Associate Professor
Margaret-Anne Storey, BSc (UVic), MSc, PhD (Liv), Associate Professor
Mantis H. M. Cheng, BMath, MMath, PhD (Wat), Assistant Professor
Yvonne Coady, BSc (Gonzaga U), MSc (Simon Fraser), PhD (Br. Coll), Assistant Professor
Daniela E. Damian, BSc (Babes-Bolyai U of Cluj-Napoca), MSc (Calgary), PhD (Calgary), Assistant Professor
Sudhakar N.M. Ganti, B Tech (NTU), M Tech (IIT), PhD (U of Ottawa), Assistant Professor
Daniel M. German, BS (UPIIICS/API), MS (Coll of William and Mary), PhD (Wat), Assistant Professor
Jiapping Pan, BE (Southeast Univ., Nanjing), PhD (Southeast Univ., Nanjing), Assistant Professor
Venkatesh Srinivasan, BE (Birla Inst. of Technology), MSc (Birla Inst. of Technology), PhD (Tata Inst. of Fundamental Research), Assistant Professor
Ulrike Stege, Dipl Math (Albert-Ludwigs-Universität Freiburg), PhD (ETH Zürich), Assistant Professor
Alex Thomo, BSc (U of Piraeus), MSc (Concordia), PhD (Concordia) Assistant Professor
Melanie Tory, BSc (UBC), PhD (SFU), Assistant Professor
George Tzanetakis, BSE (U of Crete), MA (Princeton), PhD (Princeton), Assistant Professor
Kai Wu, BSc (Wuhan), MEng (Wuhan), PhD (Alberta), Assistant Professor
Jason Corless, BSc, MSc (UVic), Senior Instructor
Lillian Jackson, BSc (Alberta), MSc (Lethbridge), Mary Sanseverino, BSc, MSc (UVic), Senior Instructor
Michael Zastre, BSc (SFU), MSc, PhD (UVic), Senior Instructor and Director of Undergraduate Studies
Jillian Aschenbrenner, Program Assistant
Marguerite E. Casey, BSc, MEd (UVic), Cooperative Education Coordinator (Engineering & Computer Science/Math Co-op)
Bette Bultena, BSc, MSc (UVic), Senior Laboratory Instructor
Susan Fiddler, BMus (UVic), Placement Coordinator, Co-operative Education Co-ordinator (Engineering & Computer Science/Math Co-op)
Marilee V. Garrett, BA (Brown), MSc (UVic), Co-operative Education Co-ordinator (Engineering & Computer Science/Math Co-op)
William F. Gorman, BA (Queen’s), Laboratory Instructor
Jane Guy, BSc (U of London), MSc (U of Zimbabwe), Academic Advisor

Victoria Li, BSc (Wuhan), MSc (Simon Fraser), Senior Laboratory Instructor
Susanne Reiser, Administrative Officer
Anissa St. Pierre, BSc (UVic), Executive Assistant, Enrolment Program
Paul Stead, Senior Programmer Analyst
Robert Taylor, Senior Systems Administrator
Allan Trumpour, BSc (UVic), Senior Programmer Analyst
Kathryn Wilson, BA (Emily Carr Inst. of Art and Design), Programmer Analyst

Visiting, Limited Term, Adjunct and Cross-Listed Appointments
Ian Barrodale, BSc (Wales), MA (Br. Coll), PhD (Liv), Adjunct Professor (2005-08)
Ernest J.H. Chang, BSc (Man), MD (UBC), MMath (Wat), PhD (Tor), Adjunct Associate Professor (2004-07)
Maurice Danard, BA (Br. Coll), MA (Tor), PhD (Chic), Adjunct Professor (2005-08)
David M. Goodenough, BSc (Br. Coll), MSc, PhD (Tor), Adjunct Professor (2005-08)
Benjamin Jung, PhD (Trinity College, Dublin), Cross-listed Assistant Professor (2005-07)
Jacqueline Rice, BSc, MSc, PhD (UVic), Adjunct Assistant Professor (2004-07)
Dominique Roelants van Baronaigien, BSc, MSc, PhD (UVic), Adjunct Associate Professor (2003-06)
W. Andrew Schloss, BA (Bennington Coll), PhD (Stan), Cross-listed Associate Professor (2004-06)
Janice Singer, BA (Calif, San Diego), PhD (Pittsburgh), Adjunct Professor (2004-07)
Pauline van den Driessche, PhD (Wales), Cross-listed Professor (2004-06)
Maarten van Emden, MSc (T. H. Delft), PhD (Amsterdam), Adjunct Professor (2003-06)
Peter Walsh, BSc, MSc (Univ Coll, Cork), PhD (UVic), Adjunct Assistant Professor (2004-07)

Computers 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

Other Faculties

- 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.

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 from the Advising Centre. Students planning to complete a Major Program in Computer Science (Business Option) should consult the Computer Science Cooperative 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 Sci-
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enences 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 79).

All students planning to complete a Major or Honours Program in Computer Science must file a Record of Degree Program form before registering for third year in the Faculty of Engineering. Computer Science Degree Programs are submitted to the Computer Science Advising 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**

**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 and 230 ......................................... 3.0
- SENG 265 ................................................... 1.5
- MATH 200 and 201, or 202 and 233C ............. 3.0
- MATH 222 and 233A ..................................... 3.0
- ENGR 2401 .................................................. 1.5
- Electives .................................................... 3.0

**Year 3**

- CSC 320, 330, 355, 360, 370 .......................... 7.5
- CSC 322 or 326 .......................................... 1.5
- CSC 340 or 349A ......................................... 1.5
- SENG 321 .................................................. 1.5
- STAT 2602 ................................................. 1.5
- Elective .................................................... 1.5

**Year 4**

- CSC 499 (or equivalent experience plus 1.5 units of 400-level CSC) ................................... 1.5
- 7.5 units of CSC at the 400 level3 ........................ 7.5
- Electives .................................................... 6.0

**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 .................................................... 4.5

**Year 2**

- CSC 225, 230 ............................................. 3.0
- SENG 265 .................................................. 1.5
- MATH 201 or 202 ......................................... 1.5
- MATH 222, 233A .......................................... 3.0

**Year 3**

- CSC 320, 330, 355, 360, 370 .......................... 7.5
- CSC 340 or 349A ......................................... 1.5
- STAT 2602 ................................................. 1.5
- Other courses3 ............................................. 4.5

**Year 4**

- 4.5 units of CSC at the 400 level4 ........................ 4.5
- Other courses3 ............................................. 10.5

1. ENGL 225 can be substituted for ENGR 240.
2. STAT 260 may be taken as early as the second term of the first year.
3. These 15 units must include at least 1.5 units of Computer Science or SENG courses at the 300 level or above.
4. Any 400-level SENG course can be substituted for one of these CSC electives.

**Major and Honours Programs: Areas of Emphasis**

As an option, a student undertaking a BSc Major or BSc Honours Program in Computer Science may elect courses to emphasize a particular area of study. The selected area of emphasis is to be identified on the Record of Degree Program filed with the Computer Science Advising Centre.

For the BSc Major Program, the area of emphasis will be recorded on the student’s final transcript provided the student successfully completes at least 4.5 units (at least 3 at the 400 level) from one area selected from the list given below.

For the BSc Honours Program, the area of emphasis will be recorded on the student’s final transcript provided the student successfully completes at least 6 units (at least 4.5 at the 400 level) from one area selected from the list given below. Honours students are strongly encouraged to select a Technical Project from their chosen area of emphasis.

To establish a breadth of knowledge in Computer Science, students are strongly encouraged to select at least 1.5 units from each of three of the areas listed.

**Areas of Emphasis**

**A: Algorithms**

- CSC 322 Logic and Programming
- CSC 326 Algorithms and Data Structures II
- CSC 405 Computer Graphics
- CSC 421 Introduction to Artificial Intelligence
- CSC 425 Analysis of Algorithms
- CSC 426 Computational Geometry
- CSC 428 Computational Biology Algorithms
- CSC 429 Cryptography
- CSC 445 Operations Research: Linear Programming
- CSC 482 Topics in Algorithms

**B: Programming Methodology**

- CSC 322 Logic and Programming
- CSC 375 Introduction to Systems Analysis
- CSC 421 Introduction to Artificial Intelligence
CSC 435 Compiler Construction
CSC 483 Topics in Programming Methodology
SENG 321 Requirements Engineering and Formal Specifications
SENG 330 Object Oriented Software Development
SENG 480 Topics in Software Engineering
C: Scientific Computing
CSC 349B Numerical Analysis II
CSC 445 Operations Research: Linear Programming
CSC 446 Operations Research: Simulation
CSC 449 Numerical Linear Algebra
CSC 484 Topics in Scientific Computing
D: Systems
CSC 350 Computer Architecture
CSC 435 Compiler Construction
CSC 450 Computer Communications and Networks
CSC 454 Fault Tolerant Computing
CSC 460 Design and Analysis of Real-Time Systems
CSC 461 Multimedia Systems
CSC 462 Distributed Computing
CSC 464 Concurrence
CSC 485 Topics in Systems
E: Software Engineering
To establish a breadth of knowledge, students completing this emphasis are encouraged to select courses from at least three of the following categories:

E1: Human Factors
SENG 310 Human Computer Interaction
SENG 401 Social and Professional Issues
SENG 410 Media Applications
SENG 412 Ergonomics
SENG 435 Computer-supported Collaborative Work

E2: Software Management
CSC 375 Introduction to Systems Analysis
SENG 315 Information and Knowledge Management
SENG 321 Requirements Engineering and Formal Specifications
SENG 380 Applied Cost Engineering
SENG 470 Management of Software Development
SENG 472 Software Process

E3: Software Design and Quality
SENG 330 Object Oriented Software Development
SENG 371 Software Evolution
SENG 422 Software Architecture
SENG 424 System Reliability
SENG 426 Software Quality Engineering
SENG 454 Component-based Software Engineering

E4: Software Systems and Applications
SENG 360 Security Engineering
SENG 440 Software Models for Embedded Systems
SENG 450 Network-centric Computing
SENG 462 Distributed Systems and the Internet
SENG 474 Data Mining

Credit may also be received for the following:

SENG 480 Topics in Software Engineering
SENG 490 Directed Studies

Students completing this emphasis may replace one third-year and two fourth-year CSC elective courses with SENG courses at the same level from this list.

Major in Computer Science (Software Engineering Option)

Year 1

CSC 110, 115, 212 ................................. 4.5
MATH 100, 101, 122 ............................... 4.5
ENGL 115 or 135 .................................. 1.5
Electives ........................................... 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
STAT 260 .......................... 1.5
Electives ........................................... 1.5

Year 3

CSC 320, 330, 355, 360, 370 ..................... 7.5
SENG 340 or 349A ............................... 1.5
4.5 units from SENG 310, 321, 330, 371 .... 4.5
Elective ........................................... 1.5

Year 4

SENG 401 ........................................... 1.5
6.0 units of SENG courses at the 400 level .... 6.0
Other Courses ..................................... 7.5
1. ENGL 225 can be substituted for ENGR 240.
2. STAT 260 may be taken as early as the second term of the first year.

Major in Computer Science (Mechatronics and Embedded Systems Option)

This program provides theoretical and practical training in microprocessors, software, electronics, sensors and actuators, and their integration into designs for mechatronics and embedded systems. The uniqueness associated with mechatronics comes from its exploitation of real-time computation to create intelligent electro-mechanical systems.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Enrollment in this program is limited. This is a mandatory Co-op program. Information on eligibility and application to the program is available from the Computer Science Co-op Advising Office.

Year 1

CSC 110, 115, 212 ................................ 4.5
ENGL 115 or 135 ................................. 1.5
ENGR 240 .......................... 1.5
MATH 100, 101, 122 ............................... 4.5
MATH 133 or 233A ............................... 1.5
Elective ........................................... 1.5

Year 2

CSC 225, 230 ......................................... 3.0
SENG 265 ........................................... 1.5
MATH 201 or 202 ................................. 1.5
ELEC 216 or PHYS 216 ................................. 1.5
ELEC 250, 260 ......................................... 3.0
STAT 260 ........................................... 1.5

Year 3

CSC 320, 330, 355, 360 .......................... 6.0
SENG 340 or 349A ............................... 1.5
SENG 321 ........................................... 1.5
SENG 440 ........................................... 1.5
ELEC 310, 365 ......................................... 3.0
MECH 486 ........................................... 1.5
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Year 4
CSC 370, 460 .......................................................... 3.0
ELEC 466 ................................................................ 1.5
ENGR 466 ................................................................ 3.0
MECH 466 ................................................................ 1.5
SENG 466 ................................................................ 1.5
Electives ................................................................. 4.5

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)

Year 1
BIOL 190A ............................................................. 1.5
CHEM 101 or 150 ........................................................ 1.5
CSC 110, 115, 212 .................................................. 4.5
ENGL 115 or 135 .................................................... 1.5
MATH 100, 101, 122 .................................................. 4.5
Elective ..................................................................... 1.5

Second- and Third-year Courses Sequence A: Probabilistic Modelling Emphasis

Year 2 Sequence A
BIOL 200 ............................................................. 1.5
BIOL 230 ............................................................. 1.5
CHEM 231 ............................................................. 1.5
CSC 225 ................................................................ 1.5
MATH 200, 222, 233A ............................................. 4.5
SENG 265 ................................................................ 1.5
STAT 260, 261 .......................................................... 3.0

Year 3 Sequence A
BIOL 362 ................................................................ 1.5
CSC 230, 320, 370 .................................................... 4.5
CSC 340 or 349A ..................................................... 1.5
ENGR 240(a) ............................................................ 1.5
MATH 201, 352, 452 ............................................... 4.5
Elective ..................................................................... 1.5

Second- and Third-year Courses Sequence B: Biochemistry Emphasis

Year 2 Sequence B
BIOL 200 ............................................................. 1.5
BIOL 230 ............................................................. 1.5
CHEM 231 ............................................................. 1.5
CSC 225 ................................................................ 1.5
ENGR 240(a) ............................................................ 1.5
MATH 222, 233A .................................................... 3.0
SENG 265 ................................................................ 1.5
STAT 260, 261 .......................................................... 3.0

Year 3 Sequence B
BIOL 362 ................................................................ 1.5
BIOL 300 ................................................................ 3.0
CSC 230, 320, 340, 370 ........................................... 6.0
MATH 201 or 202 .................................................... 1.5
Electives ................................................................. 3.0

Year 4 Sequences A and B
BIOL 435 ................................................................ 1.5
CSC 428, 498(b) ...................................................... 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 the completion of their second year. Normally a student will be admitted to the Combined Honours program only if the student has:

1. completed all of the 100-level and 200-level courses required for the degree
2. completed at least 7.5 units of Mathematics and Statistics courses taken in their second and third year
3. attained a grade of at least 6.0 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
5. 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 355 for the Statistics option) and have obtained a Grade Point Average of at least 6.0 in these courses
3. obtained a GPA of at least 6.5 in all 300-level Computer Science, Mathematics, and Statistics courses taken

Combined Honours students are expected to maintain a GPA of at least 5.0 in their third year to remain in the program. A student graduating in the Combined Honours Program will be recommended for an Honours degree “With Distinction” if the student achieves a graduating GPA of 6.5 or greater. A student who does not obtain a GPA of 6.5 will be recommended for an Honours degree if the student achieves a graduating GPA of at least 5.0.

BSc Honours: Combined Program in Computer Science and Mathematics

Year 1
CSC 110, 115, 212 .................................................. 4.5
MATH 100, 101, 122 .................................................. 4.5
ENGL 115 or 135 .................................................... 1.5
Electives ................................................................. 4.5

Year 2
CSC 225, 230, SENG 265 ........................................ 4.5
MATH 200 (or 205), 201, 222, 233A, 233C ............ 7.5
STAT 260(c) ............................................................ 1.5
ENGR 240(b) ............................................................ 1.5

Year 3
CSC 320, 326, 349A, 349B ..................................... 6.0
MATH 333A, 333C, 334 ......................................... 4.5
STAT 261 ............................................................... 1.5
Other Courses3 ...................................................... 3.0

Year 4
MATH 434, 438 ...................................................... 3.0
CSC 499 ................................................................. 1.5
Two of CSC 425, 445, 449, 484 .................................. 3.0
Other Courses4 ...................................................... 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 260(c) ............................................................ 1.5
ENGR 240(b) ............................................................ 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 Courses3 ...................................................... 3.0

Year 4
Other Courses3 ........................................................ 15.0

1. ENGL 225 can be substituted for ENGR 240.
2. STAT 260 may be taken in the second term of the first year.
3. These 16.5 units of other courses must include at least 9 units from the Departments of Computer Science and/or Mathematics and Statistics at the 300 level or above, with at least 6 of these units at the 400 level. These 9 units may also include ENGR 240 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.
tics. 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 240\(^1\) ..................................................... 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 STAT 354, 357, 453, 454, 455, 456, 457, 458, 459\(^3\) ........................................ 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 240\(^1\) ..................................................... 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\(^2\) .................................................. 4.5

**Year 4**
- Three of STAT 354, 357, 450, 453, 454, 455, 456, 457, 458, 459\(^3\) ........................................ 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 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.

**Combined Programs in Physics and Computer Science**

In first year, the student will begin the program with either Physics 120/220 or 112, as shown in sequences A and B below. Sequence A is intended for students who have attained at least a B standing in each of Physics 12 and Mathematics 12. Those with less than a B standing take sequence B. The sequence in third and fourth year is determined by the program selected. Admission to the third and fourth years of the Honours Program requires permission of both Departments.

**First- and Second-year Courses: Sequence A**

**Year 1**
- PHYS 120, 220 ................................................. 3.0
- MATH 100, 101, 122 ......................................... 4.5
- CSC 110, 115, 212 ........................................... 4.5
- ENGL 115 or 135 ................................................ 1.5
- Elective ................................................................. 1.5
- Total ..................................................................... 15.0

**Year 2**
- PHYS 214, 215, 216 ......................................... 3.0
- MATH 200 (or 205), 201, 233A .......................... 4.5
- CSC 225, 230, 242 ........................................... 4.5
- SENG 265 ............................................................ 1.5
- ENGR 240 ............................................................ 1.5
- Total ..................................................................... 18.0

**Third and Fourth Years: Honours Program**

**Year 3**
- PHYS 325, 326 ................................................. 3.0
- MATH 330A, 330B, 323 (or 325), 326 .................. 6.0
- CSC 320, 349A, 349B, 355, 360 .......................... 7.5
- Total ..................................................................... 16.5

**Year 4**
- PHYS 317, 323, 321A, 321B, 422 ....................... 7.5
- PHYS electives\(^1\) ................................................ 4.5
- CSC 499 or PHYS 429B ...................................... 1.5

**2006-07 UVIC Calendar**

<table>
<thead>
<tr>
<th>courses</th>
<th>units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC electives(^2)</td>
<td>4.5</td>
</tr>
<tr>
<td>Total</td>
<td>18.0</td>
</tr>
</tbody>
</table>

**Third and Fourth Years: Major Program**

**Year 3**
- PHYS 325, 326 ................................................. 3.0
- MATH 330A, 330B, 323 (or 325), 326 .................. 6.0
- CSC 349A, 349B, 355, 360 .......................... 6.0
- Total ..................................................................... 15.0

**Year 4**
- PHYS 317, 321A, 323 ......................................... 4.5
- PHYS electives\(^1\) ................................................ 4.5
- CSC 320 ............................................................. 1.5
- CSC electives\(^3\) ................................................ 4.5
- Total ..................................................................... 15.0

1. These Physics electives must be at the 300 level or higher. These electives must be chosen in consultation with the Department of Physics and Astronomy.
2. These 4.5 units of other Computer Science courses must be at the 400 level and may include CENG 420 or 1.5 units of SENG courses.
3. At least 3 of these 4.5 units of other Computer Science courses must be at the 400 level. A maximum of 3 of these units can be SENG courses at a similar level.

**Combined Major Program in Health Information Science and Computer Science**

Enrollment in this program is limited. Students must contact either the School of Health Information Science or the Department of Computer Science before registering in any courses. This is a mandatory Co-op program.

**Year 1**
- HINF 140, 172 ..................................................... 3.0
- MATH 100, 101, 122 ......................................... 4.5
- CSC 110, 115, 212 ........................................... 4.5
- ENGL 115 or 135 ................................................ 1.5
- Elective\(^1\) ............................................................. 1.5
- Total ..................................................................... 15.0

**Year 2**
- HINF 200, 201, 280 ......................................... 4.5
- 1 HINF course at the 200 level .......................... 1.5
- MATH 222 ............................................................. 1.5
- STAT 255 or 260 ................................................ 1.5
- CSC 225, 230 ..................................................... 3.0
- SENG 265 ............................................................ 1.5
- ENGR 240 ............................................................ 1.5
- Total ..................................................................... 15.0

**Year 3**
- 3 HINF courses at the 300 level .......................... 4.5
- CSC 375 ............................................................. 1.5
- 2 of CSC 320, 322, 330, 355, 360, SENG 321 ....... 3.0
- Electives ................................................................. 6.0
- Total ..................................................................... 15.0

**Year 4**
- 2 HINF courses at the 400 level .......................... 3.0
- 3 CSC courses at the 400 level\(^2\) .......................... 4.5
- Other courses\(^3\) .................................................. 7.5
- Total ..................................................................... 15.0
1. Students without grade 12 Biology must replace this elective by one of PE 141, BIOL 102, or BIOS 150A or BIOS 190A.
2. One of these courses may be SENG at the 400 level.
3. These 3 units of other courses must be at the 400 level or higher, and must include at least 3 units chosen from Mathematics and Computer Science.

**Combined Program in Geographical Information Systems (GIS)**

The Department of Geography and the Department of Computer Science have designed a combined program leading to a Bachelor of Science degree.

**Year 1**
- BIOL 191A or 191B: 3.0
- CSC 110, 115, 212: 4.5
- ENGL 103: 3.0
- MATH 121: 1.5
- MATH 126: 1.5
- Electives: 1.5

**Year 2**
- CSC 212, 225, 230: 4.5
- ENGR 240: 1.5
- MATH 102: 1.5
- Electives: 1.5

**Year 3**
- SENG 365: 1.5
- Electives: 1.5

**Year 4**
- SENG 370: 1.5
- Electives: 1.5

1. Students must take 9 units of these courses over Years 3 and 4.

2. One of these courses must be SENG at the 400 level.

**Combined Major in Psychology and Computer Science**

The Department of Psychology and the Department of Computer Science have designed a combined major leading to a combined BA Major Degree.

**Year 1**
- PSYC 100A: 3.0
- PSYC 100B: 3.0
- Electives: 3.0

**Year 2**
- PSYC 201: 4.5
- Electives: 1.5

**Year 3**
- PSYC 300 level: 3.0
- Electives: 3.0

**Year 4**
- PSYC 400 level: 3.0
- Electives: 3.0

1. Students must take 9 units of these courses over Years 3 and 4.

2. One of these courses must be SENG at the 400 level.

**Combined Program in Geography and Computer Science (Geomatics)**

The Department of Geography and the Department of Computer Science have designed a combined program leading to a Bachelor of Science degree.

**Year 1**
- CSC 110, 115, 212: 4.5
- ENGL 103: 3.0
- MATH 121: 1.5
- MATH 126: 1.5
- Electives: 1.5

**Year 2**
- CSC 212, 225, 230: 4.5
- ENGR 240: 1.5
- MATH 102: 1.5
- Electives: 1.5

**Year 3**
- SENG 365: 1.5
- Electives: 1.5

**Year 4**
- SENG 370: 1.5
- Electives: 1.5

1. ENGR 225 can be substituted for ENGR 240.

2. Students interested in remote sensing wishing to advance to GEOG 422 are encouraged to take both GEOG 319 and GEOG 322.

3. CSC 405 requires MATH 233A as a prerequisite.

4. These 3 units of CSC courses at the 400 level may include SENG 420 and/or 1.5 units of SENG at the 400 level.

**Combined Major in Music and Computer Science**

The School of Music and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Enrollment in this program is limited. Students are admitted to the program at the end of first year.
MINOR IN COMPUTER SCIENCE

Students in other departments may complete a Minor in Computer Science by completing the Major or Honours requirements of that department, in conjunction with either the Computer Science General Program requirement or by completing the set of courses listed below.

Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115</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>
</tr>
<tr>
<td>MATH 151 or any Statistics 200-level or equivalent course</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Year 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 212, 225, 230</td>
<td>4.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Year 3

3 additional CSC courses numbered 300 or higher (one of these can be replaced by a SENG course at a similar level) 4.5
Note that 200 level and higher courses that fulfill requirements for a Minor cannot form part of the requirements for the Major or Honours degree. Any such course in the Minor program may be replaced by another Computer Science course at the same level or higher.

COMPUTER SCIENCE CO-OPERATIVE EDUCATION PROGRAMS

Please refer to the general description of Co-operative Education at UVic, page 44.

General Regulations

The normal requirements for admission of students to a Computer Science/Mathematics Co-op Program are the completion of CSC 110 and MATH 100 and the following:

1. the completion of at least 4.5 units on their last academic term
2. a minimum grade of B- in any Computer Science courses and a minimum grade of C+ in any Mathematics or Statistics course 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 the 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.

Students admitted to the Combined Program in Health Information Science and Computer Science are required to take part in the Co-op Education Program. They must successfully complete three work terms with at most two in one department in order to graduate in this program. The granting of work term credit by challenge is not permitted in this program.

Physics/Computer Science, Psychology/Computer Science, Visual Arts/Computer Science, Geography/Computer Science and Music/Computer Science

Students in one of these Combined Programs who wish to participate in Co-op must be admitted by the Co-op program of each department or school involved. They must successfully complete two work terms in each Co-op program in order to complete their Co-op degree requirements.
**FACULTY OF ENGINEERING**

**COMPUTER SCIENCE/MATHEMATICS WORK EXPERIENCE PROGRAM**

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 experience 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 experience terms are subject to the General Regulations: Undergraduate Co-op (page 45) with the exception that work experience credit by challenge is not permitted. Students completing the required two work experience 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.

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**Department of Electrical and Computer Engineering**

Panajotis Agathoklis, DiplEng, DrSc Tech (Swiss Fed Inst of Tech), FEIEE, PEng, Professor

Andreas Antoniou, BSc, PhD (Lond), Doctor Honoris Causa (Metsotso, Greece), FEIEE, FEIEE, FEIC, Professor Emeritus

Ashok K.S. Bhat, BSc (Mys), BE, ME (Indian Inst of Sci), MASc, PhD (Tor), FEIEE, PEng, Professor

Fayez Gebali, BSc (Cairo), BSc (Ain Shams), PhD (Wash), PEng, Professor

T. Aaron Gulliver, BSc, MASc (New Brunswick), PhD (UVic), FEIEE, Professor

Wolfgang J.R. Hoefer, Dipl-Ing (Aachen), Dr-Ing (Grenoble), FEIEE, FRSC, PEng, Professor

Harry H. L. Kwok, BSc (Calif, LA), PhD (Stan), PEng, Professor

Wu-Sheng Lu, BSc (Fudan), MSc (E China Normal), MSc, PhD (Minn), FEIEE, FEIC, Professor

Eric G. Manning, BSc, MSc (Wat), PhD (Ill), FIEEE, FEIC, PEng, Professor Emeritus

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XiaoDai Dong, BSc (Xian Jiaotong), MSc (Natl U of Singapore), PhD (Queens), Assistant Professor

Reuven Gordon, BASc, MSc, MASc (Tor), PhD (Cambridge), Assistant Professor

Ahmed E. Hassan, BMath, MMath, PhD (Wat), Assistant Professor

Michael L. McGuire, BEng, MASc (UVic), PhD (Tor), Assistant Professor

Subhasis Nandi, BEng (Jadavpur), MEng (Indian Inst of Sci), PhD (Texas Ae-M), Assistant Professor

Stephen W. Neville, BEng, MASc, PhD (Wat), Assistant Professor

Christos Papadopoulos, BSc, MASc, PhD (Brown), Assistant Professor and Canada Research Chair in Nanotechnology (Tier 2)

Daler N. Rakhmatov, BSc (Rochester), MSc, PhD (Arizona), Assistant Professor

Mihai Sima, MSc, PhD (Bucharest), PhD (Delft), Assistant Professor

Poman P.M. So, BSc (Tor), BASc, MASc (Ott), PhD (UVic), PEng, Assistant Professor

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Erik M. Laxdal, BEng, MASc (UVic), Programmer Analyst

Mary-Anne Toa, BSc, MBA (UVic), Administrative Officer

Christine N. Weyenberg, Advising Assistant

**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), FRCP (Can), Adjunct Professor (2004-07)

Vijay K. Bhargava, BSc (Rajasthan), BSc, MSc, PhD (Queens), FEIEE, FEIC, FRSC, FCAE, PEng, Adjunct Professor (2005-08)

Leonard Bruton, BSc (Lond), MEng (Carleton), PhD (Newcastle Upon Tyne), FIEEE, PEng, Adjunct Professor (2005-08)

Jeremiah F. Hayes, BEE (Manhattan Coll), MS (NYU), PhD (Calif, Berk), FEIEE, Adjunct Professor (2005-08)

Michael Okoniewski, MSc, PhD (Gdansk Tech), Adjunct Professor (2003-06)

Hari C. Reddy, BE (Sri Venkateswara), ME (Baroda), PhD (Osmania), Adjunct Professor (2004-07)

Dale J. Shpak, BSc, MEng (Calgary), PhD (UVic), PEng, Adjunct Professor (2005-08)

Esam Abdel-Raheem, BSc, MSc (Ain Shams), PhD (UVic), Adjunct Associate Professor (2003-06)

Smaïn Amari, DES (Constantine), MSEE, PhD (Wash U), Adjunct Associate Professor (2004-07)

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 (2003-06)

Robert Kieser, BSc (Dal), MSc (New Brunswick), PhD (Brit Col), Adjunct Associate Professor (2004-07)

George A. May, BSc (Tor), MA (W Ont), PhD (Brit Col), Adjunct Associate Professor (2003-06)

M. Wathiq El-Kharashi, BSc, MSc (Ain Shams), PhD (UVic), Adjunct Associate Professor (2003-06)

Paul H. Kraeutner, BASc (Brit Col), MSc (Rhode Is), PhD (Simon Fraser), Adjunct Assistant Professor (2004-07)

Wei Li, BEng, MEng (Beijing U of Posts and Telecom), PhD (UVic), Adjunct Assistant Professor (2005-08)

Andrew Truman, BSc (East Lond), PhD (Southampton), Adjunct Assistant Professor (2004-07)

George Tsanetakis, BSE (Crate), 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 (2004-07)

**PROGRAMS IN ELECTRICAL AND COMPUTER ENGINEERING**

**Undergraduate Programs**

The Department of Electrical and Computer Engineering offers programs leading to the BEng degree in Electrical Engineering, the BEng degree in Computer Engineering and, jointly with the Department of Computer Science, the BSEng degree in Bachelor of Software Engineering. Both BEng programs are accredited by the Canadian Engineering Accreditation Board (CEAB) of the Canadian Council of Professional Engineers, while the BSEng program is designed to be
accreditable and will be considered for accreditation by CEAB in 2007, when the first class graduates. Accreditation ensures that graduates of the programs satisfy the academic requirements for registration with the provincial Associations of Professional Engineers. The BEng in Electrical Engineering program has four specializations: electronics, communications, digital signal processing, and electromagnetics and photonics. The BEng in Computer Engineering program has two specializations: systems engineering and software engineering.

**Computer Music Option**
Enrolment in the Computer Music Option is limited. Students must apply for admission before registering in any of its required courses.

For further details about the Computer Music Option, see BEng in Electrical Engineering (Computer Music Option), page 92, or BEng in Computer Engineering (Computer Music Option).

**Management Option**
The Faculty of Engineering in conjunction with the Faculty of Business offers a Management Option. For further details, see BEng and BSENG Management Option, page 78.

**Mechatronics and Embedded Systems Option**
The Faculty of Engineering offers a Mechatronics and Embedded Systems (MES) Option. The requirements for the MES option for Electrical Engineering or Computer Engineering students are given on page 92.

**Physics Option**
For details of the Physics Option, see BEng in Electrical Engineering (Physics Option), page 93.

**Fast Track Master’s Option**
The Department of Electrical and Computer Engineering offers outstanding undergraduate students an opportunity for a head start in a master’s program. Qualified students will be permitted to enroll in graduate-level courses during their fourth year. These courses will be in addition to any undergraduate requirements and thus can be transfered to the MasC or MEng degree program. All of the admission and transfer credit regulations of the Faculty of Graduate Studies must be met. For more information, please contact the Chair or the Graduate Adviser of the Department.

**Graduate Programs**
For information on studies leading to the MEng, MASc and PhD degrees, see the UVic Graduate Calendar.

**Program Requirements**

**BEng Program in Electrical Engineering**
The BEng program in Electrical Engineering requires completion of the BEng Core (see page 77), the Electrical Engineering Core, one of four Specializations (or a total of three compulsory courses from any of the four Specializations) and the required number of elective courses.

**Electrical Engineering Core**
- CENG 241 Digital Design: I
- CENG 355 Microprocessor-Based Systems
- CSC 230 Computer Architecture and Assembly Language
- ELEC 200 Engineering Graphics
- ELEC 220 Electrical Properties of Materials
- ELEC 260 Signal Analysis
- ELEC 300 Linear Circuits: II
- ELEC 310 Digital Signal Processing: I
- ELEC 320 Electronic Devices: I
- ELEC 330 Electronic Circuits: I
- ELEC 340 Electromagnetic Field Theory
- ELEC 350 Communications Theory and Systems: I
- ELEC 360 Control Theory and Systems: I
- ELEC 370 Electromechanical Energy Conversion
- ELEC 380 Electronic Circuits: II
- ELEC 395 Seminar
- ELEC 499A or 499B Design Project
- MECH 141 Engineering Fundamentals: I
- MECH 295 Engineering Fundamentals: II

**Electrical Engineering Specializations**

**Electronics**
- ELEC 410 Power Electronics
- ELEC 412 Electronic Devices: II
- CENG 441 Design of Digital and VLSI Systems

**Communications**
- ELEC 404 Microwaves and Fiber Optics
- ELEC 450 Communications Theory and Systems: II
- ELEC 456 Mobile Communications

**Digital Signal Processing**
- ELEC 403 Engineering Design by Optimization
- ELEC 407 Digital Signal Processing: II
- ELEC 459 Digital Signal Processing: III

**Electromagnetics and Photonics**
- ELEC 404 Microwaves and Fiber Optics
- ELEC 452 Fiber Optic Technology
- ELEC 453 Antennas and Propagation

**BEng Program in Electrical Engineering (Computer Music Option)**
In addition to the Electrical Engineering Core, Specialization courses and electives, the Computer Music Option requires completion of the following courses:
- MUS 306 Recording Techniques
- MUS 307 Introduction to Computer Music
- Plus 3 courses (4.5 units) from the following list:
  - CSC 484A Music Information Retrieval
  - ELEC 484 Audio Signal Processing
  - MUS 401C Acoustics
  - MUS 406A Advanced Sound Recording Techniques
  - MUS 406B Sound Recording Seminar
  - MUS 407C Computer Music Seminar

**BEng Program in Electrical Engineering (Physics Option)**
In addition to the Electrical Engineering Core, Specialization courses and electives, the Physics Option requires completion of the following additional courses:
- MATH 326 Introduction to Partial Differential Equations
- PHYS 215 Introductory Quantum Physics
- PHYS 313 Atomic and Molecular Physics
- or PHYS 314 Nuclear Physics and Radioactivity
and PHYS 321A Classical Mechanics: I
PHYS 323 Quantum Mechanics: I
PHYS 325 Optics

Students who complete the Physics Option will receive their BEng degree in the appropriate Specialization, and their transcripts will also bear the designation "Physics Option." All courses taken in the Physics Option will count in the Faculty standing determination.

BEng Program In Computer Engineering

The BEng program in Computer Engineering requires completion of the BEng Core (see page 77), 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 355 Microprocessor-Based Systems
CENG 455 Real Time Computer Systems
CENG 460 Computer Communication Networks
CSC 225 Algorithms and Data Structures: I
CSC 230 Computer Architecture and Assembly Language
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
MECH 141 Engineering Fundamentals: I
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
ELEC 380 Electronic Circuits: II

Software Engineering

ELEC 350 Communications Theory and Systems: I
or ELEC 360 Control Theory and Systems: I
and CSC 370 Database Systems
SENG 330* Object Oriented Software Development
SENG 422 Software Architecture
SENG 426 Software Quality Engineering
SENG 462 Distributed Systems and the Internet

*SENG 330 is not required for students who started term 3B in or before September 2000.

BEng Program in Computer Engineering (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
MUS 406B Sound Recording Seminar
MUS 407* Computer Music Seminar

BEng Program in Computer Engineering (Mechatronics and Embedded Systems Option)

In addition to BEng Core, Computer Engineering Core, one of two specializations and electives, the Mechatronics and Embedded Systems Option requires completion of an additional 7.5 units of courses as follows:

a. ENGR 466 Integrated Mechatronics and Embedded Systems (3 units)

b. At least one from the following list of courses (1.5 units):
MECH 486 Sensors and Actuators for Mechatronics Systems
SENG 440 Embedded Systems

2. Two courses (3 units) from the following list of courses where at least one has to be a 466 course:
ELEC 460 Control Theory and Systems: II
ELEC 466 System-on-Chip Engineering for Signal Processing
MECH 466 Microelectromechanical Systems
MECH 486 Sensors and Actuators for Mechatronics Systems
SENG 440 Embedded Systems
SENG 466 Software for Embedded and Mechatronics Systems

Notes: - The units for MECH 486 and SENG 440 cannot be counted under both b and c.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program. Credit for one work term will be given to students completing this option due to the industrial exposure provided.

Students who complete all requirements of a BEng Program as well as all requirements of the Mechatronics and Embedded Systems option will receive their BEng degree in the appropriate specialization, and their transcripts will also bear the designation, "Mechatronics and Embedded Systems Option."

All courses taken in the Mechatronics and Embedded Systems option will be included in the Faculty standing review of students in the BEng Program.

Electrical and Computer Engineering Electives

**List A: May-August Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 420</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>CENG 441</td>
<td>Design of Digital and VLSI Systems</td>
</tr>
<tr>
<td>CENG 442</td>
<td>Introduction to Digital Integrated Circuits</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>
<tr>
<td>CENG 496</td>
<td>Special Topics</td>
</tr>
<tr>
<td>CENG 499A</td>
<td>Design Project</td>
</tr>
<tr>
<td>CSC 405</td>
<td>Computer Graphics</td>
</tr>
<tr>
<td>ELEC 400</td>
<td>Random Signals</td>
</tr>
<tr>
<td>ELEC 403</td>
<td>Engineering Design by Optimization</td>
</tr>
<tr>
<td>ELEC 404</td>
<td>Microwaves and Fiber Optics</td>
</tr>
<tr>
<td>ELEC 407</td>
<td>Digital Signal Processing: II</td>
</tr>
<tr>
<td>ELEC 408</td>
<td>Analog Filters</td>
</tr>
<tr>
<td>ELEC 410</td>
<td>Power Electronics</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 466</td>
<td>System-on-Chip Engineering for Signal Processing</td>
</tr>
<tr>
<td>ELEC 484</td>
<td>Audio Signal Processing</td>
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<tr>
<td>ELEC 486</td>
<td>Wavelet and Multiscale Signal Processing</td>
</tr>
<tr>
<td>ELEC 496</td>
<td>Special Topics</td>
</tr>
<tr>
<td>ELEC 499A</td>
<td>Design Project</td>
</tr>
<tr>
<td>MECH 410</td>
<td>Computer Aided Design</td>
</tr>
<tr>
<td>SENG 412</td>
<td>Ergonomics</td>
</tr>
<tr>
<td>SENG 422</td>
<td>Software Architecture</td>
</tr>
<tr>
<td>SENG 426</td>
<td>Software Quality Engineering</td>
</tr>
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</table>

**List B: January-April Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 450</td>
<td>Computer Systems and Architecture</td>
</tr>
<tr>
<td>CENG 455</td>
<td>Real Time Computer Systems</td>
</tr>
<tr>
<td>CENG 461</td>
<td>Analysis and Design of Computer Communication Networks</td>
</tr>
<tr>
<td>CENG 496</td>
<td>Special Topics</td>
</tr>
<tr>
<td>CENG 499B</td>
<td>Design Project</td>
</tr>
<tr>
<td>CSC 405</td>
<td>Computer Graphics</td>
</tr>
<tr>
<td>CSC 450</td>
<td>Computer Communications and Networks</td>
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<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>Introduction to Nanotechnology</td>
</tr>
<tr>
<td>ELEC 452</td>
<td>Fiber Optic Technology</td>
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<tr>
<td>ELEC 453</td>
<td>Antennas and Propagation</td>
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<tr>
<td>ELEC 454</td>
<td>Microwave Engineering</td>
</tr>
<tr>
<td>ELEC 456</td>
<td>Mobile Communications</td>
</tr>
<tr>
<td>ELEC 459</td>
<td>Digital Signal Processing: III</td>
</tr>
<tr>
<td>ELEC 460</td>
<td>Control Theory and Systems: II</td>
</tr>
<tr>
<td>ELEC 481</td>
<td>Analog VLSI Systems</td>
</tr>
<tr>
<td>ELEC 482</td>
<td>Electrical Drive Systems</td>
</tr>
<tr>
<td>ELEC 483</td>
<td>Digital Video Processing: Algorithms and Applications in Media</td>
</tr>
<tr>
<td>ELEC 485</td>
<td>Pattern Recognition</td>
</tr>
</tbody>
</table>
PHYS 122 MA TH 101 ENGR 240
MECH 141 ENGL 115 ELEC 220
MA TH 133 ELEC 199 ELEC 216
MA TH 100 CSC 160 ELEC 200
CSC 110 CHEM 150 ELEC 245

*Courses that are not required by at least one of the Specializations may not be offered every year.

Physics Option Electives

List P1 September-December Term

PHYS 410 Topics in Mathematical Physics: I
PHYS 411 Time Series Analysis
PHYS 415 General Relativity and Cosmology
PHYS 426 Fluid Mechanics
PHYS 429A Honours Laboratory

List P2 January-April Term

PHYS 420 Topics in Mathematical Physics: II
PHYS 421 Statistical Mechanics
PHYS 422 Electromagnetic Theory
PHYS 424 Particle Physics
PHYS 427 Geophysics
PHYS 428 Introductory Solid State Physics
PHYS 429B Honours Project

Minors in Electrical Systems and Computer Systems

An Electrical Systems Minor or a Computer Systems Minor is open to students outside of the programs in Electrical Engineering and Computer Engineering. Permission from the Department is required and students must have a minimum cumulative GPA of 5. The minor requires 9 units of ELEC and CENG designated courses with a minimum of 4.5 units at the 300 level or above. For an Electrical Systems Minor, 5 or more of these units at the 300 level or above must be ELEC. For a Computer Systems Minor, 5 or more of the units at the 300 level or above must be CENG.

Academic Schedule: BEng in Electrical Engineering

Terms 1A, 1B and 2A

For students who began the program in September 2000 or before:

Term 1A
CSC 110
ENGL 115
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

For students who began the program in September 2001 or after:

Term 1A
CSC 110
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

Academic Schedule: BEng in Computer Engineering

Terms 1A, 1B and 2A

For students who began the program in September 2000 or before:

Term 1A
CSC 110
ENGL 115
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

For students who began the program in September 2001 or after:

Term 1A
CSC 110
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

Terms 2B to 4B

For all students starting Term 2B in or after May 2003. (Students starting Term 2B prior to May 2003 may elect to follow the program outlined in the 2002-2003 Calendar.)

Term 2B
CENG 241
ELEC 250
MATH 201
MECH 295
STAT 254

Term 3A
CSC 349A
ELEC 300
ENGR 300
ENGR 310

Term 3B
CENG 355
ELEC 370
ENGR 280
ENGR 280

Terms 2A and 4B

For students who began the program in September 2000 or before:

Term 1A
CSC 110
ENGL 115
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

Term 2B
CENG 241
ELEC 250
MATH 201
MECH 295
STAT 254

Term 3A
CSC 349A
ELEC 300
ENGR 300
ENGR 310

Term 3B
CENG 355
ELEC 370
ENGR 280
ENGR 280

Academic Schedule: BEng in Computer Engineering

Terms 1A, 1B and 2A

For students who began the program in September 2000 or before:

Term 1A
CSC 110
ENGL 115
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

For students who began the program in September 2001 or after:

Term 1A
CSC 110
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

Terms 2B to 4B

For students who began the program in September 2000 or before:

Term 1A
CSC 110
ENGL 115
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

Term 2B
CENG 241
ELEC 250
MATH 201
MECH 295
STAT 254

Term 3A
CSC 349A
ELEC 300
ENGR 300
ENGR 310

Term 3B
CENG 355
ELEC 370
ENGR 280
ENGR 280

These are the same for all students starting on or after September 1995, as follows:

Term 2B
CENG 241
CENG 245
ELEC 250
ELEC 260
MATH 201
STAT 254

Term 3A
CSC 349A
ELEC 300
ENGR 300
ENGR 310

Term 3B
CENG 355
ELEC 370
ENGR 280
ENGR 280

Specializations:

Electronics:

Term 4A
CENG 395
ENGR 297

Term 4B
ELEC 395
ELEC 452

Communications:

Term 4A
ELEC 404
ELEC 456
ELEC 450

Digital Signal Processing:

Term 4A
ELEC 403
ELEC 459
ELEC 407

Electromagnetics and Photonics:

Term 4A
ELEC 404
ELEC 452
ELEC 453

In order to obtain their degree, students who do not select one of the Specializations must complete any 3 of the 11 compulsory Specialization courses listed above within the established course offering timetable.

Academic Schedule: BEng in Electrical Engineering (Physics Option)

Terms 1A, 1B and 2A

For students who began the program in September 2000 or before:

Term 1A
CSC 110
ENGL 115
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

For students who began the program in September 2001 or after:

Term 1A
CSC 110
MATH 100
MATH 133
MECH 141
PHYS 122

Term 1B
CHEM 150
CSC 160
ENGR 150
MATH 101
PHYS 125

Term 2A
CSC 230
ELEC 216
ENGR 220
MATH 200
MATH 201

Terms 2B to 4B

For all students starting Term 2B in or after May 2003. (Students starting Term 2B prior to May 2003 may elect to follow the program outlined in the 2002-2003 Calendar.)

Term 2B
CENG 241
ELEC 250
MATH 201
MECH 295
STAT 254

Term 3A
CSC 349A
ELEC 300
ENGR 300
ENGR 310

Term 3B
CENG 355
ELEC 370
ENGR 280
ENGR 280

2 Specialization Courses
For students who started Term 3B in or after
September 2005:

<table>
<thead>
<tr>
<th>Term 3B</th>
<th>Term 4A</th>
<th>Term 4B</th>
</tr>
</thead>
<tbody>
<tr>
<td>4ELEC 350 or 360</td>
<td>2 SENG 422</td>
<td>2 CSC 370</td>
</tr>
<tr>
<td>2 SENG 330</td>
<td>2 SENG 462</td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

1. A Complementary Studies Elective course dealing with central issues in humanities or social sciences, as required by CEAB guidelines for complementary studies, and as approved by the Faculty of Engineering's BEng Programs Committee. A current list of acceptable replacement courses may be obtained from the BEng Office.

2. Term 4AB replaces Work/Other Term following Term 4A in the table on page 76 of the main Faculty entry.

3. At least one of ELEC 499A or 499B must be included in this set of 4th year electives. Both may be included.

4. Or acceptable replacement.

5. Term 3B4A replaces the Work/Other term following term 3B in the table on page 76.

6. To be registered in term preceding the last academic term.

7. Students would normally take ENGR 020 (Introduction to Professional Practice) in Term 2A, or in Term 3A if they are Bridge students.

8. MUS 407 is a two-term course taken in the fall and spring.


10. May be replaced by a course in humanities or social sciences as required by CEAB guidelines for impact of technology on society. A current list of acceptable replacement courses may be obtained from the BEng Office.

11. A course in science as required by CEAB guidelines. A current list of acceptable courses may be obtained from the ECE Office.
Programs in Mechanical Engineering

Undergraduate Programs

The Department of Mechanical Engineering offers a program leading to the BEng degree in Mechanical Engineering. The program is accredited by the Canadian Engineering Accreditation Board of the Canadian Council of Professional Engineers. Accreditation ensures that graduates of the programs satisfy the academic requirements for registration with the provincial associations of Professional Engineers.

The BEng program in Mechanical Engineering consists of the BEng Core (see page 77), Mechanical Engineering Core, and six Technical Electives. The Technical Electives allow specialization in various areas of Mechanical Engineering.

Management Option

The Faculty of Engineering in conjunction with the Faculty of Business offers a Management Option. For further details, see BEng and BSENG Management Option, page 78.

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, page 78. The requirements and schedule of courses for the MES Option for Mechanical Engineering students are given on page 96. Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Graduate Programs

Please refer to the UVic Graduate Calendar for information on studies leading to the MEng, MSc and PhD degrees.

Program Requirements

**Mechanical Engineering Core**

- **ELEC 365** Applied Electronics and Electrical Machines
- **MECH 141** Engineering Fundamentals: I
- **MECH 200** Engineering Drawing
- **MECH 220** Mechanics of Solids: I
- **MECH 240** Thermodynamics
- **MECH 242** Dynamics
- **MECH 285** Properties of Engineering Materials
- **MECH 320** Mechanics of Solids: II
- **MECH 330** Machine Dynamics
- **MECH 335** Theory of Mechanisms
- **MECH 345** Mechanics of Fluids: I
- **MECH 350** Engineering Design: I
- **MECH 360** Engineering Design: II
- **MECH 390** Energy Conversion
- **MECH 392** Mechanics of Fluids: II
- **MECH 395** Heat and Mass Transfer
- **MECH 400** Design Project
- **MECH 435** Automatic Control Engineering
- **MECH 455** Instrumentation

**Mechanical Engineering Technical Electives**

**Advanced Materials**

- **MECH 423** Engineering Ceramics
- **MECH 471** Fracture, Fatigue and Mechanical Reliability
- **MECH 473** Ferrous and Non-Ferrous Metals

**Control, Robotics and Mechatronics**

- **MECH 421** Mechanical Vibrations
- **MECH 430** Robotics
- **MECH 466** Microelectromechanical Systems
- **MECH 485** Mechanism and Manipulator Synthesis
- **MECH 486** Sensors and Actuators for Mechatronic Systems

**Design and Computer Aided Engineering**

- **MECH 405** Introduction to Microprocessors
- **MECH 410** Computer Aided Design
- **MECH 420** Finite Element Applications
- **MECH 425** Engineering Optimization and Applications

**Energy and Thermodynamics**

- **MECH 443** Advanced Thermodynamics
- **MECH 445** Cryogenic Engineering
- **MECH 447** Energy Systems
- **MECH 449** Fuel Cell Technology

**Advanced Manufacture**

- **MECH 411** Planning and Control of Production Systems
- **MECH 460** Computer Aided Manufacture
- **MECH 462** Small Business Organization
- **MECH 465** Machine Vision and Sensors

**Fluids and Aerodynamics**

- **MECH 440** Introduction to Water Wave Phenomena
- **MECH 475** Mechanics of Flight
- **MECH 492** Introduction to Transport Phenomena
- **MECH 493** Design of Thermo-Fluid Systems
- **MECH 495** Computational Fluid Dynamics and Heat Transfer

**Selected Topics and Technical Projects**

- **MECH 450** Special Topics Courses
- **MECH 499** Technical Project

Courses from Other Departments

With the permission of the involved departments, students may take a limited number of upper-level courses as technical electives from other departments.

**MECH 500-level Courses**

With the permission of the Department, students may select courses as technical electives, from the list of 500-level Mechanical Engineering graduate courses.

**Minor in Mechanical Systems**

A Mechanical Systems Minor is open to all students outside the Mechanical Engineering program. It requires 9 units of MECH-designated courses, with a minimum of 4.5 units at the 300 level or above. In order to accommodate students from different backgrounds, as much flexibility as possible is given in course selection (consistent with course prerequisites). A suitable choice of second-year courses can lead to any areas of specialization given above in the Mechanical Engineering Technical Elective list.

ACADEMIC SCHEDULE: BENG IN MECHANICAL ENGINEERING

**Terms 1A, 1B and 2A**

For students who began the program in September 2000 or before:

- **Term 1A**
  - MECH 390
  - MECH 392
  - MECH 400
  - MECH 405
  - MECH 430
  - MECH 471

- **Term 1B**
  - MECH 473
  - MECH 486
  - MECH 492
  - MECH 495
  - MECH 499

- **Term 2A**
  - MECH 411
  - MECH 420
  - MECH 425
  - MECH 443
  - MECH 445
  - MECH 447

**Terms 2B to 4B**

These are the same for all students who started in or after September 1995, as follows:

- **Term 2B**
  - MECH 440
  - MECH 475
  - MECH 492
  - MECH 493
  - MECH 495

- **Term 3A**
  - MECH 444
  - MECH 476
  - MECH 494

**Terms 3B**

- **Term 4A**
  - MECH 400
  - MECH 445
  - MECH 447

- **Term 4B**
  - MECH 402
  - MECH 448

Technical Elective Courses

**List A: May-August Term**

- **MECH 405**
- **MECH 409**
- **MECH 410**
- **MECH 411**
- **MECH 412**
- **MECH 413**
- **MECH 414**
- **MECH 415**
- **MECH 416**
- **MECH 417**
- **MECH 418**
- **MECH 419**
- **MECH 420**
- **MECH 421**
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- **MECH 495**
- **MECH 496**
- **MECH 497**
- **MECH 498**
- **MECH 499**

1. Deviation from the standard program schedule requires submission of a Program Change Form.
and approval by the Department before commencement of term. Students with third- and fourth-year standing will have registration priority for 300- and 400-level courses.

2. Must be a course dealing with central issues in humanities or social sciences, as required by CEAB guidelines for complementary studies, and as approved by the BEng Programs Committee. A current list of acceptable replacement courses is available from the BEng Office.

3. Depending on student interest and faculty availability, courses from the Technical Electives lists will be offered by the Department. Occasionally, some courses from List A will be offered in the List B term and vice versa.

4. 4C is in the summer term, following 4B

**Academic Schedule: BEng in Mechanical Engineering (Mechatronics and Embedded Systems Option)**

<table>
<thead>
<tr>
<th>Terms 1A, 1B and 2A</th>
<th>Terms 2A</th>
<th>Terms 3A</th>
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<tr>
<td>Term 1A</td>
<td>Term 1B</td>
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<td>CSC 110</td>
<td>CSC 160</td>
<td>ELEC 216</td>
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<td>MATH 100</td>
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<td>MATH 133</td>
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<td>PHYS 125</td>
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<th>Terms 2B to 3B</th>
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<th>Terms 4A</th>
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<tr>
<td>Term 2B</td>
<td>Term 3A</td>
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<tr>
<td>ELEC 250</td>
<td>CSC 349A</td>
<td>ELEC 365</td>
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<td>ENGR 297</td>
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<tr>
<td>STAT 254</td>
<td>MECH 390</td>
<td>MECH 395</td>
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Mechanical Engineering Students taking the Mechatronics and Embedded Systems Option will select one of the following 3 alternative schedules.

**Schedule 1**

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<thead>
<tr>
<th>Term 4A</th>
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<tr>
<td>MECH 400</td>
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<tr>
<td>MECH 435</td>
<td>MECH 405</td>
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<td>MECH 455</td>
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<td>SENG 265</td>
<td>SENG 265</td>
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<tr>
<td>Electives from List A or SENG 271</td>
<td>Electives from List A</td>
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<td>Elective from List A</td>
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**Schedule 2**

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<td>ENGR 498</td>
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<td>MECH 455</td>
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<td>SENG 265</td>
<td>SENG 265</td>
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<tr>
<td>Elective from List B</td>
<td>Elective from List B</td>
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<tr>
<td>1 Complementary Studies Elective (1.5)</td>
<td>1 Complementary Studies Elective (1.5)</td>
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**Schedule 3**

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<td>SENG 265</td>
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<td>Elective from List B</td>
<td>Elective from List B</td>
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<td>1 Complementary Studies Elective (1.5)</td>
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**Schedule 4**

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<td>SENG 265</td>
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<tr>
<td>Elective from List B</td>
<td>Elective from List B</td>
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<tr>
<td>1 Complementary Studies Elective (1.5)</td>
<td>1 Complementary Studies Elective (1.5)</td>
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Faculty of Fine Arts

The programs offered by the Faculty of Fine Arts offer students a wide range of options for exploring the creative process in human society while expanding upon the expression of their own creativity in writing, drama, music and the study of art history. Through practical as well as theoretical instruction, students are able to gain a sound foundation of knowledge and skills that will enable them to pursue their creative interests professionally and through further study.

Giles Hogya, BA (Miami), MA, PhD (Northwestern), Dean of the Faculty
John Celona, BA, MA (San Francisco State), PhD (U of California, San Diego), Associate Dean
General Information

DEGREES AND PROGRAMS OFFERED
The Faculty of Fine Arts comprises the Departments of History in Art, Theatre, Visual Arts, and Writing, and the School of Music. The Faculty offers programs leading to the degrees of Bachelor of Arts, Bachelor of Fine Arts and Bachelor of Music. The Faculty also offers interdisciplinary programs in Film Studies and Arts of Canada, as well as diploma and certificate programs in several subdisciplines of Fine Arts.

Graduate Programs
Graduate studies are offered in Music, History in Art, Theatre and Visual Arts. For information on graduate programs, please refer to the UVic Graduate Calendar.

Co-operative Education Programs
Please refer to page 44 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 99. Details of the program in the Department of Writing are outlined on page 111.

Admission to and completion of co-operative education programs are governed by individual departmental requirements. As a required part of the program, students are employed for specific work terms, each with a minimum duration of 13 weeks. This employment is related as closely as possible to the student’s course of studies and individual interest.

Students may withdraw from the Co-operative Education Program at any time and remain enrolled in a degree program offered by their department.

ACADEMIC ADVICE AND PROGRAM PLANNING
Students entering the Faculty for the first time should consult the Faculty of Fine Arts Advising Centre in Room 119 of the Fine Arts Building for advice about course planning.

Students entering the School of Music should consult the School of Music for advice about course planning. If possible, this should be done before registration.

Students registered in the Faculty of Fine Arts who intend eventually to enter the teaching profession should consult the Faculty of Education. These requirements should be kept in mind when choosing academic electives in undergraduate degree programs.

Pre-Architecture Planning
Since Canadian Architectural programs vary widely in their prerequisites for admission, undergraduates interested in future careers in architecture, urban planning or landscape architecture are urged to request this essential information from the School of Architecture they are interested in entering.

For advice on course selection, students planning an architectural degree should consult the Fine Arts Advising Centre or the Advising Centre for the 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.

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.

Faculty of Fine Arts Programs

<table>
<thead>
<tr>
<th>Faculty of Fine Arts Programs</th>
<th>BA</th>
<th>BFA</th>
<th>BMus</th>
<th>BSc</th>
<th>Minors</th>
<th>Co-op</th>
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<td>Honours</td>
<td>Major</td>
<td>Honours</td>
<td>Major</td>
<td>Honours</td>
<td>Major</td>
<td>Major</td>
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</tbody>
</table>

Departmental Programs

History in Art •

Music •

Theatre •

Visual Arts •

Writing •

Interdisciplinary Programs

Film Studies 1 •

Arts of Canada 1 •

European Studies 4 •

Diplomas and Certificates

Diploma in Fine Arts

Harvey Southam Diploma in Writing and Editing •

Certificate in Foundations in Indigenous Fine Arts 2 •

Diploma in Cultural Resource Management 3 •

Professional Specialization Certificate in Heritage Conservation Planning 3 •

1. Offered by the Faculties of Fine Arts and Humanities
2. Offered in cooperation with the En’owkin Centre in Penticton, BC
3. Offered through UVic Continuing Studies
4. Offered by the Faculties of Fine Arts, Humanities, and Social Sciences
**Faculty Academic Regulations**

**GENERAL REGULATIONS**

Calendar regulations governing registration, fees, and academic advancement apply to all students registered in the Faculty of Fine Arts. Special regulations are set out under the Department entries.

**FACULTY OF FINE ARTS DEGREE REQUIREMENTS**

Each candidate for a Bachelor’s degree in the Faculty of Fine Arts is required:

1. to have satisfied the Undergraduate English requirement, page 29
2. to present credit in a minimum of 60 units of university-level courses numbered 100 and above; at least 30 of these 60 units must normally be UVic courses
3. to include in these 60 units a minimum of 21 units of courses numbered at the 300 and 400 level; at least 18 of the 21 upper-level units should normally be UVic courses
4. to meet the specific program requirements prescribed by the Faculty for the student’s declared degree program (see individual department and school listings for details).

**RECORD OF DEGREE PROGRAM**

All students in the Faculty of Fine Arts are required to complete a Record of Degree Program form in consultation with the Fine Arts Advising Centre (or, in the case of Music students, with the School of Music office) preferably near the beginning of their third year of studies. The purpose of this form is to ensure that proposed courses will meet the requirements for the degree program selected.

**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.

**Program Requirements**

Any student registered in an Honours or Major BA, BFA, BMus, MA, MFA or PhD degree in the Faculty of Fine Arts or the Faculty of Humanities or registered in the Cultural Resource Management Program, the Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing 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.

Prior to seeking their first co-op work term, students must:

1. be registered in a full course load (at least 6 units of course work per term)
2. have achieved at least a 5.0 GPA in a full course load in the previous term
3. complete satisfactorily the Work Term Preparation Seminars
4. submit an acceptable résumé and cover letter stating their co-op goals

To continue in the program, a student must:

1. be enrolled full time in a program leading to an Honours or Major BA, BFA, BMus, MA, MFA or PhD degree in a discipline offered in the Faculty of Humanities or the Faculty of Fine Arts or a Diploma in the Cultural Resource Management Program, the Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing
2. maintain a GPA of at least 5.5 in the courses in the degree area
The Faculty offers the following diploma and certificate programs:

- Harvey Southam Diploma in Writing and Editing (see page 111)
- Diploma in Fine Arts (see below)
- Diploma in Cultural Resource Management (see page 101)
- Certificate Program in Foundations in Indigenous Fine Arts (see below)
- Professional Specialization Certificate in Heritage Conservation Planning (see page 102)
- Professional Specialization Certificate in Collection Management (see page 102)
- Professional Specialization Certificate in Cultural Heritage Sector Leadership (see page 102)

**Diploma in Fine Arts**

The Diploma Program in Fine Arts is designed for members of the community who must balance academic study with jobs, families or community responsibilities. It is open to any member of the community with a commitment to university-level study. Applicants should normally have completed an undergraduate degree.

The Diploma Program is not appropriate for those wishing an emphasis on studio or performance areas. Rather, it stresses intellectual values of the creative and liberal arts. It is an innovative, interdisciplinary program that is unique in Canada.

The Fine Arts Diploma Program is an extension program of the Faculty of Fine Arts; completion of the program will lead to a Diploma in Fine Arts awarded under the authority of the Senate of the University of Victoria. Admission is subject to the approval of the Associate Dean of Fine Arts.

The Program offers participants the choice of 11 different themes of study:
- The Idea of the Fine Arts
- History of the Fine Arts
- World Architecture
- The Middle Ages
- Renaissance and Baroque
- Modernism
- Canada
- The Mediterranean
- Asia and the Pacific Rim
- Cross-cultural Studies in Ancient Arts
- Individual Study Program

Each of these themes requires the completion of 18 units of course credit on a full or part-time basis, normally within five years.

For further information about the Program, please contact Joy Davis at Continuing Studies at 721-8462.

**Certificate Program in Foundations in Indigenous Fine Arts**

In co-operation with the En'owkin International School of Writing and Visual Arts in Penticton, BC, the Faculty offers a Certificate in Foundations in Indigenous Fine Arts. This Certificate is only available for students who complete course requirements at the En’owkin Centre. All courses meet the academic standards of the University of Victoria, but emphasize indigenous peoples’ perspectives and cultural content.

Students take a total of 13.5 units of courses, including 3 units of core courses and 10.5 units of electives in visual arts and/or writing. Course work completed at the En’owkin Centre will be identified by the letter E following the course number; e.g., CW 150E, ART 101E.

The Certificate Program is designed primarily for mature students of Native Indian ancestry who wish to develop specialized skills in creative writing and/or visual arts in a Native People’s context. Students may complete the program on a part-time basis but must successfully complete at least 13.5 units of course work over a period of two to six years.

**Admission Requirements**

Students wishing to be admitted to the Certificate in Foundations in Indigenous Fine Arts should contact:
- Director, En’owkin Centre
  RR#2, Site 50, Comp. 8
  Penticton BC V2A 6J7
  Phone: (250) 493-7181

Admissions to the Certificate Program are made through the En’owkin International School of Writing and Visual Arts. As part of the En’owkin admission process, students complete a University of Victoria application form which will be forwarded to the University of Victoria. Applications for the En’owkin School will not be accepted after September 30 for entry into the Winter Session. Transcripts will be required at this point only to identify course credits that satisfy the University of Victoria English Requirement.

Please note that students will be admitted through the En’owkin School for the Certificate Program only. Students who wish to continue their studies in any other University of Victoria courses or programs must apply to reregister through UVic Undergraduate Records and provide complete transcripts of all prior academic work. Credit obtained within the Certificate Program may be transferable to a regular UVic degree program. Transferability of credit is, however, subject to the specific requirements of the degree program. Students who wish to pursue a Bachelor of Arts or Bachelor of Fine Arts in Visual Arts or Writing at the University of Victoria must re-apply to UVic Undergraduate Admissions and fulfill all normal admission, program and course requirements.

Students are strongly advised to consult the Chair of the appropriate department as early as possible.

**University of Victoria English Requirement**

All students wishing to complete the Certificate must satisfy the University of Victoria English Requirement (see page 29). The En’owkin Centre normally provides the English Placement Essay and required course work to satisfy this requirement.

**Core Courses**

Students must choose 3.0 units of core courses from the following:
- ART 100E (1.5) Studio Foundation
- ART 150E (1.5) Introduction to Contemporary Art Theory
- CW 100E (3.0) Introduction to Creative Writing

**Elective Courses**

Students may select either Creative Writing or Visual Arts courses to complete the required 13.5 units.
- ART 100E (1.5) Studio Foundation
- ART 101E (1.5) Drawing
- ART 110E (1.5) Painting
- ART 120E (1.5) Sculpture
- ART 130E (1.5) Printmaking
- ART 150E (1.5) Introduction to Contemporary Art Theory
- CW 100E (3.0) Introduction to Creative Writing
- CW 150E (1.5) Writing for Children from a First Nations’ Perspective
- CW 155E (1.5) Critical Process and World View
- CW 156E (1.5) Critical Process, Symbolism and Oral Tradition
- CW 160E (1.5) First Nations’ Non-Fiction
- CW 212E (1.5) Structure in Cinema and Television Drama

**En’owkin Centre Courses**

Descriptions for most En’owkin courses are in the Calendar under the departments that offer equivalent courses on campus. The following courses are offered only through the En’owkin Certificate Program: CW 150(E), CW 155(E), CW 156(E), CW 160(E), CW 212(E).
Department of History in Art

Carol Gibson-Wood, BA (W Ont), MA (Brit Col), PhD (Warburg, Lond), Professor (Lansdowne Chair in the Fine Arts)

S. Anthony Welch, BA (Swarth), MA, PhD (Harv), Professor

Kathleen Liscumb, BA (Tufts), MA, PhD (Chicago), Professor

Catherine D. Harding, BA (McG), PhD (London), Associate Professor

Lianne M. McLarty, BA (Brock), MA (Car), PhD (Swarth), Associate Professor

Joy Davis, BA (UVic), MA (Toronto), PhD (Yale), Associate Professor

Astri Wright, BA, MA, PhD (Cornell), Associate Professor

Victoria Wyatt, BA (Kenyon Coll), MA, MPhil, PhD (Yale), Associate Professor

Allan Antill, BA (Waterloo), MA (Delaware) PhD (Delaware), Canada Research Chair

Erin Campbell, BA, MA, PhD (Toronto), Assistant Professor

Kathlyn Liscomb, BA (Tufts), MA, PhD (Chicago), Professor

S. Anthony Welch, BA (Swarth), MA, PhD (Harv), Professor

Martin J. Segger, BA, DipEd (UVic), MPhil (Warburg, Lond), FRSA, Adjunct Professor (1995-2008)

Elizabeth Tumasonis, BA (Coll of Wm and Mary), MA (NYU), PhD (Calif, Berk), Emeritus Associate Professor

Erica Dodd, BA (Wellesley), PhD (Courtauld), Adjunct Associate Professor (1997-2008)

Martha Black, BA (Toronto), MA (Yale, Uvic), Adjunct Assistant Professor (2001-2007)

Joy Davis, BA (Uvic), MA (Toronto), Adjunct Assistant Professor (2001-2007)

K. Anne Finlay, BA (Queens), MA (Toronto), PhD (Uvic), Adjunct Assistant Professor (2001-2007)

Ariane Isler de Jongh, BA, PhD (Montreal), Adjunct Assistant Professor (1995-2008)

Gillian Mackie, BA, MA (Oxford), BA, MA, PhD (Uvic), Adjunct Assistant Professor (1995-2008)

Nancy Micklewright, BA, MA, PhD (Penn), Adjunct Associate Professor (1996-2008)

Judith Patt, BA, BArch (Stan), MA, PhD (Calif, Berk), Adjunct Assistant Professor (1995-2008)

History in Art Programs

Co-operative Education Programs

Please, see page 98.

Major Program

In addition to the general University requirements for graduation, page 38, students taking a Major in History in Art must satisfy the following requirements:

1. Successful completion of 21 units of History in Art courses, of which at least 3 units must
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 may be taken in third year only when approved by the Fine Arts Adviser and the Chair. Students wishing to declare a Major in History in Art should contact the adviser at the Fine Arts Advising Centre at the end of their second year. Students interested in the History in Art program are welcome to consult with this adviser before they declare their Major.

Honours Program

Admission

The Honours Program provides the possibility for more intensive study in the field of History in Art, and is intended for those who wish to continue on to graduate studies in History in Art or related professional disciplines.

Students may apply to enter the Honours Program after completion of a minimum of 9 units of course work in History in Art with a GPA in these courses of 5.0 (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.
2. The 15 upper-level units must include 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

   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 ac-

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2006-07 UVIC CALENDAR

FACULTY OF FINE ARTS

ceptable are JAPA 150, CHIN 150, GER 390, or 3 units of FREN 155 and above (excluding FREN 160, 161, or 165). A Grade Point Average of at least 4.0 (B-) is necessary. In special circumstances, students may request permission to take a translation examination administered by the Department.

Standing at Graduation

An Honours degree “With Distinction” requires a graduating average of 6.5 or higher, as well as an average of 6.5 or higher in all courses taken in the Department at the 300 and 400 level. Third-year students whose performance in the Honours Program falls below a GPA of 3.5 will be required to transfer to the Major Program at the beginning of their fourth year. Fourth-year students whose graduating average, or whose average in courses taken in the Department at the 300 and 400 level, is below 3.5, but who otherwise meet the University requirements for graduation, will receive a BA with a Major in History in Art.

Cultural Resource Management Program

Program Description

The Cultural Resource Management Program offers a postgraduate Diploma in Cultural Resource Management. The program serves those who are currently involved professionally in museums, art galleries, historic sites, building conservation and related cultural stewardship activities. The curriculum of the Diploma Program in Cultural Resource Management features two areas of specialization in cultural management: Museum Studies and Heritage Conservation. However, a candidate may register for courses in all areas in order to obtain credit towards the diploma.

Program Requirements

To be considered for admission to this diploma program, applicants must have completed a University of Victoria bachelor’s degree or its equivalent.

The diploma program may be completed in a minimum of one calendar year. The normal period of completion is two to three years of part-time study.

The program requires completion of 18.0 units through the following courses:

1. Core courses: 4.5 units selected from HA 486 (3.0), HA 486A (1.5), HA 486B (1.5), HA 487 (3.0), HA 487A (1.5), HA 487B (1.5).

   Note that students with credit in HA 486 cannot earn credit in HA 486A or HA 486B; those with credit in HA 487 cannot earn credit in HA 487A or HA 487B.

2. Elective courses: 10.5 units selected from HA 488 A- S (1.5), HA 489 A- S (1.5), HA 486A (1.5), HA 486B (1.5), HA 487A (1.5) HA 487B (1.5).

3. Directed Studies or Internship: HA 490 (3.0) or HA 491 (3.0)

Applicants who have previously received credit in a degree program for any of these core courses will be allowed to substitute up to 6.0 units of courses with the approval of the Academic Adviser.

Students may apply to obtain up to 6 units of transfer credit for equivalent courses or certified training.

Diploma students who fail to maintain a GPA of at least 5.0 may be asked to withdraw from the program.
Students enrolled in the Diploma in Cultural Resource Management may not normally apply for any course towards a degree program (e.g., BA, BFA, MA). Other students may register in individual courses in the diploma program as enrollment allows.

Co-op Option
Diploma candidates who complete one or more work terms through the Co-operative Education Program will receive Co-op notation on graduation.

Students who participate in the Co-operative Education Option are normally required to complete one work term after the completion of core courses and a minimum of three special topic courses. They are required to complete HA 490 (3.0) instead of HA 491 (3.0).

Co-operative education students within the Diploma Program in Cultural Resource Management will normally be required to complete all their program requirements within a 24-month period in order to maintain the full-time status required for participation in the Co-operative Education Program. Further information on the Co-operative Education Option is available from the Program Office.

Professional Specialization Certificate in Heritage Conservation Planning
This four-course (6.0 unit) Professional Specialization Certificate in Conservation Planning is open to heritage specialists and other professionals with skills and knowledge to support conservation planning and decision making. To be considered for this certificate program, applicants must have completed a University of Victoria bachelor’s degree or its equivalent and have a minimum of two years’ work experience in the heritage sector. The program requires the completion of the following:
- Core courses: HA 489C, 489K, 488R
- An elective course selected from HA 489A, 489D, 489F, 489G, 489H, 489I

Students who complete a Professional Specialization Certificate in Conservation Planning are able to transfer four courses (6.0 units) upon admission to the Diploma in Cultural Resource Management.

Professional Specialization Certificate in Collections Management
This four-course (6.0 unit) Professional Specialization Certificate in Collections Management is open to students with the skills and knowledge to manage and care for collections of objects, specimens, and other tangible and intangible heritage resources. To be considered for this certificate program, applicants must have completed a University of Victoria bachelor’s degree or its equivalent and have a minimum of two years’ work experience with objects in the museum or heritage sector. The program requires the completion of the following:
- Core courses: HA 488B, 488D, 488J
- An elective course selected from the HA 488 A-S series in consultation with the Academic Adviser

Students who complete a Professional Specialization Certificate in Collections Management are able to transfer four courses (6.0 units) upon admission to the Diploma in Cultural Resource Management.

Professional Specialization Certificate in Cultural Sector Leadership
The School of Public Administration offers a Professional Specialization Certificate in Cultural Sector Leadership in collaboration with the Cultural Resource Management Program. Please refer to Public Administration programs, page 125, for further information.

Inquiries
Please direct inquiries regarding the Diploma in Cultural Resource Management and the Professional Specialization Certificates in Conservation Planning, Collections Management and Cultural Heritage Sector Leadership to:
- Cultural Resource Management Program
- Division of Continuing Studies
University of Victoria
Phone (250) 721-8462
Fax (250) 721-8774
E-mail: joydavis@uvcs.uvic.ca
Web: <www.uvcs.uvic.ca/crmp>

MALTWOOD ART MUSEUM AND GALLERY
An important resource for the Department of History in Art is the Maltwood Art Museum and Gallery located at the University of Victoria. The Museum administers the Maltwood Collection (an international collection of decorative arts including special emphasis on the Arts and Crafts movement from William Morris to the 1920s) and the University Collection (an extensive collection of western Canadian contemporary art in all media).

The specialized museological library, study gallery and varied exhibition programs give students a chance to work directly with materials and gain first-hand experience in the operations of a university museum.

School of Music
Gerald King, BMus (Brit Col), MM (W Wash), EdD (BYU), Professor and Director of the School (conducting, Wind Symphony)
John A. Celona, BM, MA (San Fran St), PhD (Calif, San Diego), Professor (composition, theory)
Patricia Kostek, BSc (Mansfield St Coll), MM (Mich St), Professor (clarinet, chamber music)
Harald M. Krebs, BMus (Brit Col), MPhil, PhD (Yale), Professor (theory)
Bruce E. More, BMus (Brit Col), MM, MMA, DMA (Yale), Professor (conducting, Chamber Singers)
Louis D. Ranger, BM (juilliard), Professor (piano, chamber music)
W. Andrew Schloss, BA (Bennington Coll), PhD (Stanford), Professor (electronic and computer music, musical acoustics, ethnomusicology)
Bruce Vogt, ARCT (Tor), BMus (W Ont), MMus (Tor), Professor (piano)
Christopher Butterfield, BMus (UVic), MA (SUNY, Stony Brook), Associate Professor (composition, theory)
Michelle Fillion, BA (Montreal), BMus (McGill), MA, PhD (Cornell), Associate Professor (music history, musicology, theory)

Kurt Kellan, Associate Professor (horn, chamber music)
Alexandra Pohran Dawkins, BMus (Tor), Associate Professor (oboe, chamber music)
Lanny R. Pollet, BMus (Eastman), MMus (UVic), Associate Professor (Clarinet, chamber music, orchestration)
Arthur Rowe, BMus (W Ont), MM (Indiana), Associate Professor (piano)
Daniel Petér Biró, MFA (Würzburg), MFA (Frankfurt), PhD (Princeton), Assistant Professor (composition, theory)
Benjamin Butterfield, Assistant Professor (voice)
Hugh Fraser, Assistant Professor (jazz studies, Jazz Ensembles)

Music Performance Instructors and Part-time Lecturers 2005-2006

Yariv Aloni (viola, chamber music)
Anita Bonkowski, BMus, MMus (UVic) (theory)
Alexandra Browning, BMus (Brit Col) (voice)
Cary Chow, BMus, MMus (UVic) (piano)
Wendell Clanton, BMus (UVic), MMus (Northwestern) (saxophone, Vocal Jazz)
David Clemen, ARCCO (Organ perf), ARCT (music appreciation, theory, orchestration)
Nancy Cook, BMus (Rice), MMus (McGill) (viola)
Judith Dowling, BMus, MMus (UVic) (voice)
Alexander Dunn, BM, MM (San Fran Cons), PhD (Calif, San Diego) (guitar, theory)
Colleen Eccleston, BFA (UVic) (popular music)
Marsha Elliott, BMus (Tor), MMus (SUNY, Stony Brook) (flute)
Charlotta Hale (voice)
Jordan Hanson, BSc (Dalhousie) (world music)
Paula Kiffner, BMus (Ohio), MMus (Peabody) (cello)
May Ling Kwok, BMus (UVic), MM (Indiana) (piano)
William Linwood, BM (Indiana) (percussion)
Barb McDougall, BM (Brit Col), Artist’s Diploma (Juilliard) (violin)
A personal audition is recommended; if an audition is not in music, then an audition in music is voice. For this purpose a performance to the School of Music. The School must make separate application for admission to the School of Music. Applicants from Secondary School students.

Enrollment in the Bachelor of Music program is required to be in one of Music, Bachelor of Science. The School also offers a Major in Music and Computer Science. Music offers Majors in Composition and Theory, for students who wish to prepare themselves for musical careers or graduate study in music, the School of Music offers Majors in Composition and Music Education. All BMus students, regardless of their eventual choice of Major, are required to take a common first-year program.

Program Requirements

Requirements Common to All BMus Degrees

All BMus students, regardless of their eventual choice of Major, are required to take a common first-year program.

<table>
<thead>
<tr>
<th>Year 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 101A</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>MUS 101B</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>MUS 120A</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>MUS 120B</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>MUS 140</td>
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<td></td>
</tr>
<tr>
<td>MUS 170</td>
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<td></td>
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<td>MUS 180</td>
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</tr>
<tr>
<td>MUS 181</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>English 100 level</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Non-music electives</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Total:</td>
<td>15.5</td>
<td></td>
</tr>
</tbody>
</table>

1. First-year students are required to sing in the University Chorus or University Chamber Singers in addition to any instrumental ensemble to which they may be assigned.
2. Not required for students whose principal instrument is voice.
3. Students intending to major in Music Education should take an additional 1.5 units of English. Students entering a Music Education Major require a minimum average of B- in 3.0 units of English selected from ENGL 115, 125, 135, 145. Only one of 115 or 135 will be acceptable.

In addition to the courses listed above, students intending to major in Composition must enroll in MUS 101. 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.

Exclusions 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></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201A and 201B</td>
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<tr>
<td>MUS 205</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>MUS 220A and 220B</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>MUS 240</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>MUS 270</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Ensembles1</td>
<td>1.0 or 2.0</td>
<td></td>
</tr>
<tr>
<td>MUS 350A and 350B</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Total:</td>
<td>16.0 or 17.0</td>
<td></td>
</tr>
</tbody>
</table>

Year 3

| MUS 301A and 301B | 3.0         |
| MUS 305          | 3.0         |
| MUS 306          | 1.5         |
| MUS 307          | 1.5         |
| MUS 340          | 2.0         |
Ensembles\(^1\)................................. 1.0 or 2.0
Non-music electives..............................................4.5
Total: ..................................................................16.5 or 17.5

**Year 4**

Two of MUS 401A, 401B, 401C, 401D .................3.0
MUS 405 ..................................................................3.0
MUS 440 .................................................................2.0
Ensembles\(^1\)...........................................................1.0 or 2.0
Music elective...........................................................1.5
Non-music electives..................................................4.5
Total: ..................................................................15.0

1. Ensemble requirements in Composition and Theory program:

a) Orchestral Instruments, Keyboard Instruments and Guitar
   
   Year 2: MUS 280 and 281
   
   Year 3: MUS 380 and 381
   
   Year 4: MUS 480 or 481, as determined by the needs of the School

b) Voice
   
   Year 2: MUS 280
   
   Year 3: MUS 380
   
   Year 4: MUS 480

**Major in History and Literature**

**Year 2**

MUS 201A and 201B ..............................................3.0
MUS 220A and 220B ..............................................3.0
MUS 240 .................................................................2.0
MUS 270 .................................................................1.0
Ensembles\(^1\)...........................................................1.0 or 2.0
Music elective ............................................................1.5
Non-music electives ..................................................3.0
Total: ..................................................................14.5 or 15.5

**Year 3**

MUS 301A and 301B ..............................................3.0
MUS 340 .................................................................2.0
Ensembles\(^1\)...........................................................1.0 or 2.0
Music elective ............................................................1.5
Non-music electives ..................................................3.0
Total: ..................................................................15.0 or 16.0

**Year 4**

One of MUS 401A, 401B, 401C, 401D ......................1.5
MUS 440 .................................................................2.0
Ensembles\(^1\)...........................................................1.0 or 2.0
Music elective ............................................................1.5
Non-music electives ..................................................3.0
Non-music elective or music elective .......................1.5
Total: ..................................................................15.0 or 16.0

**Notes:**

1. Ensemble requirements in Comprehensive program:

a) Orchestral Instruments, Keyboard Instruments and Guitar
   
   Year 2: MUS 280 and 281
   
   Year 3: MUS 380 and 381
   
   Year 4: MUS 480 and 481

b) Voice
   
   Year 2: MUS 280
   
   Year 3: MUS 380
   
   Year 4: MUS 480

2. Music electives must include at least 1.5 units of Music History at the 300 or 400 level.

**Major in Performance**

**Year 2**

MUS 201A and 201B ..............................................3.0
MUS 220A and 220B ..............................................3.0
MUS 245 .................................................................4.0
MUS 270 .................................................................1.0
Ensembles\(^2\)...........................................................1.0 or 2.0
Music history elective ............................................1.5
Music elective .........................................................1.5
Non-music elective ..................................................1.5
Total: ..................................................................16.0 or 17.0

**Year 3**

MUS 301A and 301B ..............................................3.0
MUS 345 .................................................................6.0
Ensembles\(^2\)...........................................................1.0 or 2.0
Music history elective ............................................1.5
Music elective .........................................................1.5
Non-music elective ..................................................3.0
Total: ..................................................................16.0 or 17.0

**Year 4**

One of MUS 401A, 401B, 401C, 401D ......................1.5
MUS 445 .................................................................6.0
MUS 448 .................................................................1.0
Ensembles\(^2\)...........................................................0.0 or 1.0 or 2.0
Non-music electives ..................................................4.5
Total: ..................................................................13.0 or 14.0 or 15.0

1. Piano majors are required to take MUS 328A and 328B. They are advised to take MUS 360 and 361.

2. Ensemble requirements in Performance program:

a) Orchestral Instruments
   
   Year 2: MUS 280 (Orchestra or Wind Symphony) and 281
   
   Year 3: MUS 380 (Orchestra or Wind Symphony) and 381
   
   Year 4: MUS 480 (Orchestra or Wind Symphony) and 481

b) Keyboard Instruments and Guitar
   
   Year 2: MUS 280 and 281
   
   Year 3: MUS 380 and 381
   
   Year 4: MUS 481

c) Voice
   
   Year 2: MUS 280
   
   Year 3: MUS 380
   
   Year 4: none

**Major in Music Education Secondary (Instrumental)**

**Year 2**

MUS 201A and 201B ..............................................3.0
MUS 220A and 220B ..............................................3.0
MUS 240 .................................................................2.0
MUS 270 .................................................................1.0
One of MUS 236, 330, 331, 332, 333 ......................1.5
MUS 280 .................................................................1.0
ME 120 or 121 .........................................................1.0
ME 201 .................................................................1.5
ME 216 .................................................................2.0
ME 402 .................................................................1.5
Total: ..................................................................17.5

**Year 3**

MUS 301A and 301B ..............................................3.0
MUS 340 .................................................................2.0
MUS 356A and 356B ..............................................3.0
One of MUS 236, 330, 331, 332, 333 ......................1.5
Ensembles\(^1\)...........................................................1.0 or 2.0
ED-D 401 ...............................................................1.5
ME 220 or 221 .........................................................1.0
ME 301 .................................................................1.5
ME 316 .................................................................1.0
Total: ..................................................................15.5 or 16.5

**Year 4**

One of MUS 401A, 401B, 401C, 401D ......................1.5
MUS 440 .................................................................2.0
One of MUS 236, 330, 331, 332, 333 ......................1.5
Ensembles\(^1\)...........................................................1.0 or 2.0
ED-D 406 ...............................................................3.0
ME 401 .................................................................1.5
ME 403 .................................................................1.5
Music or non-music electives .................................3.0
Total: ..................................................................15.0 or 16.0

**Major in Music Education Secondary (Choral)**

**Year 2**

MUS 201A and 201B ..............................................3.0
MUS 220A and 220B ..............................................3.0
MUS 240 .................................................................2.0
ME 216 .................................................................1.0
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 270</td>
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<tr>
<td>MUS 280</td>
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<tr>
<td>ME 121</td>
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<td>ME 201</td>
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<td>ME 216</td>
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<tr>
<td><strong>Total</strong></td>
<td>16.0</td>
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**Year 3**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUS 301A and 301B</td>
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<tr>
<td>MUS 340</td>
<td>2.0</td>
</tr>
<tr>
<td>MUS 356A and 356B</td>
<td>3.0</td>
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<tr>
<td>Ensembles¹</td>
<td>1.0 or 2.0</td>
</tr>
<tr>
<td>ED-D 406</td>
<td>3.0</td>
</tr>
<tr>
<td>ME 221</td>
<td>1.0</td>
</tr>
<tr>
<td>ME 301</td>
<td>1.5</td>
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<tr>
<td>ME 403</td>
<td>1.5</td>
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<tr>
<td><strong>Second teaching area</strong></td>
<td>6.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16.5 or 17.0</td>
</tr>
</tbody>
</table>

1. Ensemble requirements in Music Education

**Secondary program:**

- **Orchestral Instruments, Keyboard Instruments and Guitar**
  - Year 3: MUS 281 and 380
  - Year 4: MUS 381 and 480

- **Voice**
  - Year 3: MUS 380
  - Year 4: MUS 480

**Combined Major Program in Music and Computer Science**

The School of Music and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Enrollment in this program is limited. Since students wishing to complete a combined degree program in Music and Computer Science are admitted at the end of first year into this program in the Faculty of Fine Arts, applicants will normally register in first year in one of the following faculties/programs for which they meet the admission requirements: Humanities, Science, Social Sciences, Engineering or Fine Arts.

**Year 1**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUS 101A and 101B</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS 115</td>
<td>3.0</td>
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<td>MUS 170</td>
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<tr>
<td>MATH 100, 101, 122</td>
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<tr>
<td>CSC 110, 115, 212</td>
<td>4.5</td>
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<td><strong>Total</strong></td>
<td>16.0</td>
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**Year 2**

<table>
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<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<td>4.5</td>
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<tr>
<td>CSC 225, 230</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 233A</td>
<td>1.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>ELEC 255</td>
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<tr>
<td>MUS 105 or MUS elective</td>
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<td>Elective¹</td>
<td>1.5</td>
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<tr>
<td><strong>Total</strong></td>
<td>15.5 or 15.0</td>
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**Year 3**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUS 180</td>
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<tr>
<td>MUS 306, 307, 401C</td>
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<tr>
<td>ELEC 310</td>
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</tr>
<tr>
<td>3 of CSC 330, 355, 360, SENG 330, ELEC 407²</td>
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</tr>
<tr>
<td>SENG 310</td>
<td>1.5</td>
</tr>
<tr>
<td>Elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>14.5</td>
</tr>
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</table>

**Year 4**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUS 407</td>
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</tr>
<tr>
<td>Two MUS at the 300/400 level</td>
<td>3.0</td>
</tr>
<tr>
<td>ELEC 484⁻²</td>
<td>1.5</td>
</tr>
<tr>
<td>CSC 450, or CSC 460, or ELEC 459³</td>
<td>1.5</td>
</tr>
<tr>
<td>Two CSC at the 400 level⁴</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15.0</td>
</tr>
</tbody>
</table>

1. Students who are not exempt from the Undergraduate English requirement, page 29, should choose 1.5 units of first-year English.

2. ELEC 407 and 484 are only offered in the summer term.

3. CSC 450 requires CSC 355 and 360 as prerequisites. CSC 460 requires CSC 355 and 360 and either SENG 321 or 365 as prerequisites. ELEC 459 requires ELEC 407 as prerequisite.

4. One of these courses may be SENG at the 400 level.

5. Or acceptable replacement.

**Music and Computer Science Co-op**

Students in the Combined Major Program who wish to participate in co-op will be admitted by the Humanities, Fine Arts and Professional Writing, and Computer Science Co-op Programs.

**Minor in Music**

The Minor Program consists of 20 units in Music, and will normally include:

- MUS 101A                         | 1.5     |
- MUS 101B                        | 1.5     |
- MUS 120A                        | 1.5     |
- MUS 120B                        | 1.5     |
- MUS 165                         | 1.0     |
- 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 (see page 91) is offered by the Department of Electrical and Computer Engineering.
Specialist Option in Design
Students may enter the Option in Design at the beginning of the second year.

Specialist Option in Directing
The Option in Directing is a preparatory program only. The foundation of its philosophy is that emerging directors must first secure a strong liberal arts education, as well as experience in all aspects of theatre production, before moving on to an in-depth study of directing. Students seeking entry into this option should secure the advice of the Department on all required and elective courses before the end of their first year of study.

Specialist Option in Production and Management
Students may enter the Option in Production and Management at the beginning of the third year. Enrollment is limited; selection is by interview. Permission of the Department is required.

Specialist Option in Theatre History
Students may enter the Option in Theatre History at the beginning of the third year.

Specialist Option in Theatre/Writing
Theatre/Writing students must be accepted into both the Department of Theatre and the Department of Writing. Students must apply to the Department of Theatre by February 28. Students must also send a letter of intent to the Department of Writing by February 28.

BA Honours in Theatre History
The Honours Program normally begins in a student's third year. Students may apply to enter the Honours Program after the completion of a minimum of 6 units of course work in Theatre with a GPA in these courses of 6.0 (B+) or better.

To receive an Honours degree "With Distinction," a student must obtain an average of at least A (7.0) in designated Theatre History courses at the 300 and 400 level, and have a graduating GPA of at least 6.5.

A third-year Honours student whose GPA falls below 3.5 in that year, or below 5.0 in designated Theatre History courses, will normally be required to withdraw from the Honours Program.

A fourth-year student whose graduating GPA is lower than 3.5, but who otherwise meets the University's requirements for graduation, will receive a BFA in the Specialist Option in Theatre History if the BFA requirements have been met.

Work Outside the Department
All Theatre students must consult the Chair before accepting any theatre, film, television or other media work outside the Department.

Program Admissions
Applicants from Secondary School
Students must apply separately to the Department of Theatre and to Undergraduate Admissions for acceptance to the University. The deadline for applications to the Department of Theatre and to Undergraduate Admissions is February 28. Transcripts in progress should be sent to Undergraduate Admissions as soon as possible. Final transcripts are due in Undergraduate Admissions by May 31. Details may be obtained from the Secretary of the Department of Theatre. An interview and/or audition (and therefore a campus visit) may be required. These visits will normally take place over three weekends in March and April.

Deferred enrollment is not permitted. Any student who declines admission and wishes to enter the Department at a later date must re-apply following the above-stated admission procedures.

Transfers from Other Universities and Colleges
Applicants transferring from other institutions should follow the admission procedure described in the preceding paragraph. Transfer credit from BC community colleges will be assigned according to the equivalencies set out on the BCCAT website at <www.bccat.bc.ca> for the year in which the courses were completed. Transfer credit for Theatre courses completed at other accredited institutions is determined by the Department and Undergraduate Admissions. This credit and the Department admission procedures will determine which year of studies the student will be accepted into.

Acceptance into the Department of Theatre by either of the above routes is subject to an annual review of the student's progress by the Department Chair in consultation with the appropriate advisory committee.

Program Requirements
Requirements Common to All Programs (Generalist and Specialist)
To graduate with a BFA in Theatre, students must complete 60 units of course work, of which at least 30 units must be in Theatre and no fewer than 15 of which must be outside electives. The one exception to this requirement is the Specialist Option in Acting. This option requires no fewer than 12 units of outside electives. At the 300 or 400 level, students must take at least 21 units, 15 of which must be in Theatre.

Students planning to go into Education should check with the Faculty of Education Advising Services regarding requirements.

Required courses for all Department of Theatre programs are outlined further on.

Admission to Specific Courses
The number of students who are eligible for Theatre courses may exceed the places available. Students should understand that eligibility does not guarantee them admission into specific courses. To gain entry into courses, students must be prepared to meet Departmental attendance regulations, must not be overenrolled and must pay any fees or fines that may affect university standing. Students must attend all classes including the first. If they do not attend the second class in a course with a limited enrollment, they may be deregistered.

Students Please Note: If you do not attend the second class in a course you must get in touch with the instructor in person, or via email or voice mail to get permission to remain in the class. If you do not get permission from the instructor, you may be removed from the course.
Requirements Specific to the Specialist Program

A student enrolled in one of the seven Specialist Options normally must complete at least 30 units of Theatre course work. Students must adhere to the course requirements for their Specialist Option, as listed below.

**Specialist Option in Acting**

<table>
<thead>
<tr>
<th>First Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 105</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 111</td>
<td>1.5</td>
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<tr>
<td>THEA 112</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 120</td>
<td>3.0</td>
</tr>
<tr>
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*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.

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Notes:

* May be replaced with FA 315, FA 335 and/or FA 356 if offered.

** At least 1.5 units are required to complete the Applied Theatre Option. May be taken more than once.

**Specialist Option in Design**

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**Specialist Option in Production and Management**

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**Specialist Option in Directing**

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### FACULTY OF FINE ARTS

**THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352**..............3.0

**THEA 395** ..............................................................................3.0

**Electives** .............................................................................3.0-4.5

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

### Fourth Year

**THEA 405** ..............................................................................1.5-3.0

**Theatre History 300+**..................................................1.5-3.0

**THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352**..............3.0

**THEA 499** ..............................................................................3.0

**Electives** .............................................................................3.0-4.5

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

*Interview and permission required.*

### Specialist Option in Theatre History

#### First Year

**THEA 105** ..............................................................................3.0

**THEA 111** ..............................................................................1.5

**THEA 112** ..............................................................................1.5

**THEA 120** ..............................................................................3.0

**English** ..................................................................................3.0

**Electives** .............................................................................3.0

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

#### Second Year

**THEA 205** ..............................................................................3.0

**THEA 210** ..............................................................................1.5

**THEA 211** ..............................................................................1.5

**Electives** .............................................................................9.0

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

#### Third and Fourth Years

7.5 units from THEA 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 362, 363, 390, 391, 410, 411, 414 ..........7.5

**THEA 300+** ..............................................................................4.5

**THEA 490** ..............................................................................3.0

**Approved Electives** ................................................................6.0

**Electives** .............................................................................9.0

**Total**........................................................................................30.0

### Specialist Option in Theatre/Writing

Students in the Theatre/Writing Option Program must complete at least 40.5 units of required course work from Theatre and Writing, as below.

#### First Year

**WRIT 100** ..............................................................................3.0

**THEA 105** ..............................................................................3.0

**THEA 111** ..............................................................................1.5

**THEA 112** ..............................................................................1.5

**THEA 120** ..............................................................................3.0

**English** ..................................................................................3.0

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

#### Second Year

**WRIT 203** ..............................................................................3.0

**THEA 205** ..............................................................................3.0

**THEA 210** ..............................................................................1.5

**THEA 211** ..............................................................................1.5

3 units from THEA 348 and 349 or 355 and 356 and 362 and 363 ..........3.0

**Electives** .............................................................................3.0

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

#### Third and Fourth Years

**Theatre History 300+**..................................................4.5

**THEA 300+** ..............................................................................10.5

**Electives** .............................................................................15.0

**Total**.........................................................................................30.0

### BA Honours in Theatre History

To graduate with a BA Honours in Theatre History, students require a minimum of 30 units of Theatre; at least 15 units must be in designated Theatre History courses at the 300 and 400 level, listed below, and 6 units in approved, related disciplines.

Designated Theatre History courses are THEA 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 362, 363, 390, 391, 392, 490.

### Directed Studies

Directed Studies may, with permission of the Department, be taken more than once.

Students wishing to pursue a course of directed studies must, with a faculty member who is willing to supervise such a course, formulate a proposal accurately describing the course content, the intended method and extent of supervision, and the method by which work will be evaluated. The proposal must then receive the approval of the Chair of the Department.

Proposals will normally be subject to the following limitations:

1. The student must achieve a minimum GPA of 7.0 (A-) in courses directly related to the proposed directed studies.
2. No more than 9 units of directed studies credit will count for credit towards the BFA.
3. No more than 6 units of directed studies will be approved in any single winter session.

### Department of Visual Arts

Daniel L Laskarin, BA (S Fraser), MFA (UCLA), Associate Professor (Sculpture) and Chair

Vikky Alexander, BFA (NSCAD), Professor (Photography)

Sandra Meigs, BFA (NSCAD), MA (Dal), Professor (Painting)

Robert Youds, BFA (UVic), MFA (York), Professor (Painting)

Lynda Gammon, BA (S Fraser), MFA (York), Associate Professor (Sculpture, Drawing, Installation)

Steven Gibson, BA (Trinity Western University), MMus (UVic), PhD (SUNY at Buffalo), Associate Professor (Digital Media)

Luanne Martinez, Fine Arts Diploma (ACAD), MFA (UBC), Assistant Professor (Art Theory and Curatorial Studies)

Lucy Pullen, BFA (NSCAD), MFA (Tyler School of Art Temple University), Assistant Professor (Sculpture)

Ho Tam, BA (McMaster), MFA (Bard College), Assistant Professor (Video)

Patrick George, BFA (UVic), 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 98.

PROGRAM ADMISSIONS

Applicants from Secondary School
Applicants from secondary schools should complete the usual procedures for admission to the University (see page 21). The Department will then forward a questionnaire to the student to complete and return to the Visual Arts Department with a portfolio of 10 slides by May 15. Application deadline is March 31. Transcripts in process should be sent to UVic's Undergraduate Admissions on application.

Students intending to pursue a degree program in Visual Arts should declare that intention by registering in the Faculty of Fine Arts, Visual Arts Department.

Students requesting return of portfolio material must provide a stamped, self-addressed envelope.

Transfers from Other Institutions
The application process is generally the same as that specified for applicants from secondary school (see above).

Final transcripts for transfer students are due in Undergraduate Admissions by May 31.

Final notification of acceptance or rejection of transfer students will be mailed to students by the end of June.

Transfer credit will be assigned as listed in the BC Transfer Guide, or evaluated as necessary. (Note: Normally students will not be admitted into third and fourth-year studio courses until their outside elective requirements for first and second year have been met.)

Transfers from Other UVic Faculties
In addition to completing the application process outlined for applicants from secondary school (see above), transfers from other faculties should complete the usual procedures for reregistration, as specified on page 28.

PROGRAM REQUIREMENTS

Students who are working towards the BFA degree have the choice of a Major or Honours Program. This permits a choice between an intensive commitment to Visual Arts (normally 34.5 Visual Arts course units from a degree total of 60) or a combination of Visual Arts and other University offerings (as few as 28.5 Visual Arts course units from a degree total of 60).

All Visual Arts studio courses involve a minimum of three hours of out-of-class studio time. Department facilities are available for completion of studio projects.

Major Program
Students must normally complete 36 units of Department offerings as specified below. Of the total of 60 units:
1. completed 9 units of studio courses at the 100 level
2. a minimum A- average in third-year Visual Arts studio courses
3. permission of the Department

Normally no more than 3 units of other course work may be taken concurrently with the combination of ART 498 and 499, and no more than 3 units of other course work may be taken after these courses for the completion of the BFA Honours Degree. ART 498 and 499 must be taken concurrently.

In addition to the weekly conference time with the adviser, students are expected to spend a minimum of 24 hours per week in the studio.

A general University of Victoria regulation requires all students either to pass the qualifying examination in English or to complete certain English courses (see Undergraduate English Requirements, page 29).

Co-operative Education Programs
Please, see page 98.

2006-07 UVIC CALENDAR

A student who passes all courses but fails to obtain an average of 3.5 or better will graduate in the Major Program.

First- and Second-year Visual Arts Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>1.5</td>
</tr>
<tr>
<td>ART 101</td>
<td>1.5</td>
</tr>
<tr>
<td>ART 150</td>
<td>1.5</td>
</tr>
<tr>
<td>3 of ART 110-140, 160, 170</td>
<td>4.5</td>
</tr>
<tr>
<td>3 of ART 200-270</td>
<td>4.5</td>
</tr>
</tbody>
</table>

*Mandatory courses in first year

First- and Second-year Out-of-Department Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History in Art</td>
<td>3.0</td>
</tr>
<tr>
<td>Other electives</td>
<td>12.0</td>
</tr>
<tr>
<td>ART or electives*</td>
<td>1.5</td>
</tr>
</tbody>
</table>

*The required 6 units of History in Art may be elected at any time during the four years; however students are strongly advised to complete 3 of those 6 units in their first or second year. It is strongly advised that 3 of the total 6 units be HA 362A, Modern Art in Europe and North America: 1900 to 1945 and HA362B, Art in Europe and North America: 1945 to Today. Note: Students will not be admitted into third and fourth-year studio courses until their out-of-department elective requirements for first and second year have been met.

Third- and Fourth-year Visual Arts Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>9.0</td>
</tr>
<tr>
<td>ART or electives*</td>
<td>6.0</td>
</tr>
</tbody>
</table>
* Electives must include History in Art requirement.

Note: ART 490 may not be taken concurrently with ART 499.

Honours Program
Students must normally complete 34.5 units of Department offerings as specified below. Of the total of 60 units:
1. at least 21 units must be chosen from outside the Department of Visual Arts, including 6 units of History in Art, and
2. at least 21 units must be chosen from courses numbered 300 or above.

There is also a weekly 1.5 hour seminar requirement that is mandatory for all Honours students. To qualify for the Honours Program, students must have:
1. completed 9 units of studio courses at the 300 level
2. a minimum A- average in third-year Visual Arts studio courses
3. permission of the Department

Normally no more than 3 units of other course work may be taken concurrently with the combination of ART 498 and 499, and no more than 3 units of other course work may be taken after these courses for the completion of the BFA Honours Degree. ART 498 and 499 must be taken concurrently.

In addition to the weekly conference time with the adviser, students are expected to spend a minimum of 24 hours per week in the studio.

A general University of Victoria regulation requires all students either to pass the qualifying examination in English or to complete certain English courses (see Undergraduate English Requirements, page 29).

Combined Major Program in Visual Arts and Computer Science.

The Department of Visual Arts and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree. Enrollment in this program is limited. Students are admitted to the program at the end of first year.

Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100, 101, 150</td>
<td>4.5</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>Elective</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total units for Year 1 | 15.0

Year 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 170, 270</td>
<td>3.0</td>
</tr>
<tr>
<td>2 of ART 110, 120, 140, 160</td>
<td>3.0</td>
</tr>
<tr>
<td>2 of ART 200, 210, 220, 240, 260</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 233A</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>
</tbody>
</table>

Total units for Year 2 | 15.0

Year 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 of ART 370, 371, 372, 373</td>
<td>3.0</td>
</tr>
</tbody>
</table>
The Department of Writing offers the following WRITING PROGRAMS:

Adjunct Professor
Don McKay, BA, MA (W Ont), PhD (Wales), Visiting, Adjunct and Cross-listed

Associate Professor

Professor
Joan MacLeod, BA (Vic), MFA (Brit Col), Assistant

Tim Lilburn, BA (Regina), MA (Gonzaga), PhD (Queen's), Assistant

David Leach, BA (Vic), MA (Queen's), Assistant

Lorna Jackson, BA (Vic), MA (Vic), Assistant

Bill Gaston, BA, MA, MFA (Brit Col), Professor

Lorna Crozier, BA (Sask), MA (Alta), Honorary D. Laws (Regina), University of Victoria Distinguished Professor and Chair

Maureen Bradley, BA, MA (Concordia), MFA (Brit Col), Assistant Professor

Department of Writing
Lorna Crozier, BA (Sask), MA (Alta), Honorary D. Laws (Regina), University of Victoria Distinguished Professor and Chair

Maureen Bradley, BA, MA (Concordia), MFA (Brit Col), Assistant Professor

Bill Gaston, BA, MA, MFA (Brit Col), Professor

Lorna Jackson, BA (Vic), MA (Vic), Assistant Professor

David Leach, BA (Vic), MA (Queen's), Assistant Professor

Tim Lilburn, BA (Regina), MA (Gonzaga), PhD (McMaster), Assistant Professor

Joan MacLeod, BA (Vic), MFA (Brit Col), Assistant Professor

Lynne Van Luven, BA (Sask), MA, PhD (Alta), Associate Professor

Visiting, Adjunct and Cross-listed Appointments
Don McKay, BA, MA (W Ont), PhD (Wales), Adjunct Professor

John Barton, BA (Vic), MLIS (W Ont), Adjunct Professor

WRITING PROGRAMS
The Department of Writing offers the following program options:

- Major (in drama, fiction, poetry, creative non-fiction; also a Writing/Theatre option)
- Professional Writing Minor in Journalism and Publishing
- Harvey Southam Diploma in Writing and Editing (a postgraduate Co-op program in journalism and publishing)
- Film Studies Minor (interdisciplinary, various departments; see description on page 211)

PROGRAM ADMISSIONS
Students should note that entrance to first year will normally be restricted. Students taking ENGL 099 may not take courses.

Applicants from Other Institutions
Transfer credit in writing courses does not necessarily satisfy UVic's Writing requirements. The prerequisite for all second-year workshops is WRIT 100 or WRIT 102. Few applicants are given permission to bypass these courses, but in special cases—for example, if students have published widely in recognized literary journals—they may apply for Advanced Standing by submitting a portfolio of written work and a letter outlining their suitability. Only portfolios received between January 15 and March 31 each year will be considered. (See the Department of Writing website for more details.) Transfer credits must meet the University of Victoria's GPA. Recipients of Advanced Standing are advised that they must meet all the University's admission requirements. Advanced Standing does not guarantee acceptance to the University or to any of the Department's classes.

Applicants for a Second Degree
Each year, a limited number of students are permitted to enter the program to work towards a second degree: BFA or BA. A minimum of two years of further study is required. Applicants who cannot produce a manuscript of sufficient quality to allow them entry into a third-year workshop may require three or four years to complete their program (see Second Bachelor's Degree, page 39). Only portfolios received between January 15 and March 31 each year will be considered.

Admission to Specific Courses
Although the programs offered by the Writing Department are mainly intended for students who have shown some ability as writers, a number of lecture courses are also included which may be of interest and value to all students. Since the number of candidates who meet the minimum requirements for eligibility exceeds the places available, students should understand that eligibility does not guarantee them admission into specific courses or programs in Writing. In order to gain entry into courses, students must be prepared to meet Departmental attendance regulations, must not be overenrolled and must pay any fees or fines that may affect university standing. Students must attend all classes, including the first. If they do not attend the second class in a course with a limited enrollment (e.g., all workshops), they will be deregistered.

Second, Third and Fourth Year Workshops
Students in the Professional Writing Minor Program require a grade of B+ or higher in the appropriate prerequisite to advance. These are minimal standards and do not guarantee admission. No student will be permitted to take more than 1.5 units of workshops in a single genre per term, or more than 3.0 units of workshops in any given term. Special and Directed Studies courses are designed for those teaching situations which cannot be covered in regular workshops. No writing projects which might be covered in a regular workshop will be permitted within such special courses.

PROGRAM REQUIREMENTS
Major Program
Students in the Writing Major program are required to take:
1. WRIT 100
2. 6.0 units from 200-level Writing, including at least 3.0 units from WRIT 201, 202, 203, 204
3. 15.0 units of 300- or 400-level Writing, including 4.5 units of workshops in a single genre

Professional Writing courses (WRIT 215, 216, 217 [formerly 317], 306, 315, 404, 408, 417) may not be counted as part of a Writing Major.

WRIT 316, 330, 335, 336 and 416 may count toward either a Major in Writing or a Professional Writing Minor in Journalism and Publishing, but not both.

Students are advised to work toward a Double Major, since enrollment in workshops is limited, and spaces are not guaranteed. Without a concentration of courses in a separate discipline, students may find themselves delayed in graduating. If at least 9 units of electives are chosen from courses offered by other departments within the Faculty of Fine Arts, the degree awarded may be either the BFA or the BA of the Faculty of Fine Arts. If fewer than 9 units of electives from the Faculty of Fine Arts are chosen, the degree awarded will be the BA of the Faculty of Fine Arts.

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. Professional Writing courses from the English Department may not be counted as part of the program requirements for the Writing Department's minor, although students are allowed and encouraged to enroll in these courses as electives.

Program Requirements
To obtain a Professional Writing Minor in Journalism and Publishing, students are required to take:
1. WRIT 102 (3.0 units)
2. 3 units from WRIT 215, 216, 217 (formerly 317)
3. 9 units from the 300- and 400-level PW courses in Writing (listed under Major Program above). 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 the 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.

Interfaculty Double Major

A Fine Arts student majoring in Writing may concurrently satisfy the requirements for the Major Program of a department in the Faculties of Humanities, Science or Social Sciences. Conversely, a student pursuing a Major Program for the BA degree within the Faculties of Humanities, Science or Social Sciences may concurrently satisfy the requirements for the Major Program of the Department of Writing as approved for the Faculty of Fine Arts. Only one BA degree with a Double Major will be awarded on the recommendation of the faculty in which the student is registered.

The Harvey Southam Diploma in Writing and Editing

This is a 15-unit, postgraduate diploma for students with degrees (primarily in the Humanities and Social Sciences) who are looking for a professional credential that will lead to a career in writing and editing in journalism, publishing, government communication and corporate information services.

Qualified students should complete their course work in one year (Winter and Spring terms), followed by two optional Co-op work terms.

Students admitted to the program may apply for admittance to the Humanities, Fine Arts and Professional Writing Co-operative Education Program and are subject to the requirements of the Co-operative Education Programs (see page 45). Admission to the program is determined by degree, GPA, portfolio, references and interview. Portfolios must be received in the Department by March 31 of the year in which the student expects a September entry. Students selected for postgraduate study in the HSD will receive a bursary. For further details on these admission requirements, please contact the Department of Writing.

Course Requirements (15 units)

1. WRIT 215, 216, 315, 316, 404 required before work terms
2. 3.0 units of WRIT 495
3. 4.5 units from WRIT 217 (formerly 317), 306, 330, 335, 336 or repeats of 316, or electives by permission.

Advanced Standing

Students (including applicants from other universities and colleges) may apply for Advanced Standing in the Professional Writing Minor if they have professional writing experience and/or credits in professional writing courses from other institutions. Based on the following criteria, permission to enter the Professional Writing Program at the appropriate level may be given to students who demonstrate they satisfy the Program's standards:

1. a grade of B+ or better in ENGL 115 (or the equivalent)
2. a writing portfolio deemed satisfactory.

Written applications for Advanced Standing should be submitted to the Director of Professional Writing between January 15 and March 31.

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, page 108, in the Department of Theatre.
The Faculty of Human and Social Development was created in 1977 by bringing together five different professional schools under the auspices of one faculty. The Faculty includes the Schools of Child and Youth Care, Health Information Science, Nursing, Public Administration and Social Work, and several interdisciplinary programs.

The Faculty of Human and Social Development is unique both at UVic and in Canada; a similar structure for programs does not exist in any university in Canada. The Schools have developed reputations for innovative programs and excellent teaching. In addition to high quality teaching, the Faculty is engaged in creative, relevant programs of research. Additional features of our Faculty are equitable working and learning environments, and a strong emphasis on social responsibilities.
General Information

DEGREES AND PROGRAMS OFFERED

Undergraduate Programs

The Faculty of Human and Social Development offers undergraduate programs leading to the degrees of Bachelor of Arts in Child and Youth Care, Bachelor of Science in Health Information Science, Bachelor of Science in Nursing, and Bachelor of Social Work. The Faculty also offers diploma and certificate programs as shown in the table below.

Graduate Programs

The Faculty offers graduate studies in Child and Youth Care, Dispute Resolution, Indigenous Governance, Nursing, Public Administration, Social Work, and Studies in Policy and Practice in Health and Social Services. For information, please refer to the UVic Graduate Calendar.

Co-operative Education Program

Please refer to page 44 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 the undergraduate level. Admission to and completion of Co-operative Education Programs are governed by individual School requirements. As a required part of the program, students are employed for specific work terms, each with a minimum duration of 13 weeks. This employment is related as closely as possible to the student’s course of studies and individual interest.

With the exception of students in Health Information Science, students may withdraw from the Co-operative Education Program at any time and remain enrolled in a degree program offered by the School.

<table>
<thead>
<tr>
<th>Degree Programs</th>
<th>Diploma and Certificate Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Human and Social Development</td>
<td>Indigenous Governance Certificate Program</td>
</tr>
<tr>
<td>School of Child &amp; Youth Care</td>
<td>BA</td>
</tr>
<tr>
<td>School of Health Information Science</td>
<td>BSc</td>
</tr>
<tr>
<td>School of Nursing</td>
<td>BSN</td>
</tr>
<tr>
<td>School of Public Administration</td>
<td>Diploma in Public Sector Management</td>
</tr>
<tr>
<td></td>
<td>Diploma in Local Government Management</td>
</tr>
<tr>
<td></td>
<td>Professional Specialization Certificates</td>
</tr>
<tr>
<td></td>
<td>- Cultural Heritage Sector Leadership</td>
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<td></td>
<td>- Local Government Management</td>
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<td></td>
<td>- Performance Management</td>
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<td></td>
<td>- Public Policy</td>
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<td></td>
<td>- Public Services Management</td>
</tr>
<tr>
<td></td>
<td>- Voluntary and Non-profit Sector Management</td>
</tr>
</tbody>
</table>

1. Available only through specific Aboriginal community partnerships.
Faculty Admissions

The requirements for admission to programs within the Faculty of Human and Social Development are presented under the entries for the individual Schools.

Probability and Statistics 12 is recommended for undergraduate admission to the Faculty.

Mature students who do not have Mathematics to the Grade 11 level are encouraged to take a refresher course before beginning their studies. See additional requirements under each program.

Applicants for the Schools in the Faculty of Human and Social Development must complete two separate applications: one for admission to the School of interest, and one for admission to the University.

Courses Offered Through the Faculty

The following courses are occasionally offered through the Faculty of Human and Social Development and are open to HSD students in their third and fourth years.

HSD 400 (1.5) Policy in the Human Services
HSD 401 (1.5) Women in the Human Services
HSD 425 (1.5) Quantitative and Qualitative 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 (see page 39) are available to students who have been required to withdraw from a practicum. Students in the Faculty of the Human and Social Development may follow regular appeal procedures within the Faculty.

Standing at Graduation

For degrees granted in the Faculty of Human and Social Development, the designation "with distinction" shall be awarded to a student with a
graduation Grade Point Average of at least 7.5 who is in the top 15 percent of graduates in his or her program.

This policy is not yet effective. Please see “With Distinction”, page 39.

Faculty Programs

Degree and Diploma Programs

Details of degree and diploma programs in the Faculty are presented under the entries for the individual Schools offering the programs.

Master’s of Arts in Studies in Policy and Practice in Health and Social Services

The Studies in Policy and Practice MA is an interdisciplinary program that offers a unique combination of analytic skills to help practitioners understand the social, cultural, political and practical implications of their human service work. Collaborative approaches to teaching and learning are encouraged in course work, as students learn together with colleagues from a variety of disciplines and fields. The view embodied by the program is that knowledge and theories as well as policies and methods of practice are always changing. Courses emphasize critical reflection, especially on current challenges in relevant communities and fields of practice, as a basis for developing innovative strategies and imagining possible futures.

For more information on this graduate program, please see the UVic Graduate Calendar.

Indigenous Governance Programs

Website: <web.uvic.ca/igov/>

Taiaiake Alfred, BA (Concordia), MA, PhD (Cornell), Associate Professor

Jeff Carnttass, BA (UC, Irvine), MA, PhD (Arizona), Assistant Professor

Lisa Hallgren, Acting Program Assistant

Susanne Marie Thiessen, BFA (UVic), MBA (UVic), Program Manager and Sessional Instructor

Program Philosophy

The Indigenous Governance Program is committed to teaching and research that respects both western and indigenous traditions, methods and forms of knowledge. Through these programs, students will gain an understanding of the philosophical, administrative, and political dimensions involved in governing indigenous communities, as well as a background in the theory, methods and tools appropriate for and useful to research among indigenous people. The program aspires to educate students who are grounded in a diverse body of knowledge to assume leadership and policy-making roles, or to continue their academic careers in a variety of fields including Social Science, and History, Law or Native Studies.

Master’s of Arts in Indigenous Governance

The Master of Arts in Indigenous Governance program is an interdisciplinary program that provides students with a strong foundation of basic and applied scholarly research and a path to understanding government and politics among indigenous peoples, with a special emphasis on the nature and context of indigenous governments in Canada. For more information on the MA in Indigenous Governance, please see the UVic Graduate Calendar.

Concurrent MAIG/LLB Degree Program

Students who apply to and are accepted into both the Law Faculty LLB and the MAIG (Master of Arts in Indigenous Governance) programs may earn both degrees concurrently with modified requirements for each.

The concurrent degree program allows students to complete the requirements of both degrees in 3.5 years (7 terms, including Summer Sessions).

The first year of the concurrent degree program is devoted entirely to the first-year LLB curriculum. The second year of the program will normally be devoted to upper-year law courses, and the third year to completion of the MAIG curriculum.

Certificate in the Administration of Indigenous Governments

This Faculty of Human and Social Development program is a unique full-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 Academic Regulations

Students will be permitted to present up to 6 units of non-credit course work chosen from the IG0V online offerings to the certificate program. IG0V 381, IG0V 382, IG0V 383 and IG0V 384 are prerequisites for progression through the program.

The required courses are:
- IG0V 380
- IG0V 381
- IG0V 382
- IG0V 383
- IG0V 384
- ADMN 311
- ADMN 312
- ADMN 421

Program Requirements

Students must complete eight required courses to receive a certificate. Successful completion of IG0V 381, IG0V 382, IG0V 383 and IG0V 384 are prerequisites for progression through the program.

2006-07 UVIC CALENDAR

Program Admission

Successful applicants will be expected to meet the University English requirements and to have completed Grade 12.

Mature applicants will be considered, as detailed in University policy. Courses will be taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at UVic, and applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program. Candidates without formal post-secondary qualifications but with demonstrable experience may be admitted, with continuation in the program subject to performance in the first two to three courses with a grade of C+ or better. A limited number of students not formally admitted to the program may register for individual courses, with the permission of the Program Administrator.

Students wishing to enroll in this program or wanting more information should contact:

Program Manager

Indigenous Governance Program

Faculty of Human and Social Development

University of Victoria, Box 1700 STN CSC

Victoria BC V8W 2Y2

E-mail: igov@uvic.ca

Program Requirements

Students must complete eight required courses to receive a certificate. Successful completion of IG0V 381, IG0V 382, IG0V 383 and IG0V 384 are prerequisites for progression through the program.

The required courses are:
- IG0V 380
- IG0V 381
- IG0V 382
- IG0V 383
- IG0V 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 IG0V online offerings to the certificate program. IG0V 381, IG0V 382, IG0V 383 and IG0V 384 will be offered through the IG0V program’s online classroom. Students must choose the “Transfer Credit” option and successfully complete each of these courses. Once completed, transfer credit will be awarded at the same unit value in the certificate program. A maximum of 6 units of credit may be obtained through the IG0V Online Program and transferred into the certificate program. This option is specific to the Indigenous Governance Program's Certificate Program. Students should check transfer credit regulations with their own individual programs or institutions prior to registering in these courses.
School of Child and Youth Care

Website: <www.cyc.uvic.ca>

Sibylle Arte, BA, MA, PhD (UVic), Director and Professor
James Anglin, BA (Car), MSW (Birg CoI), PhD
(Leicester), Professor and Associate Vice-President/Academic/Dean/Coordinator of International Affairs
Jessica Ball, BA (UBC), MA, MPH, PhD (Berkeley), Professor
Gordon Barnes, BSc (Man), BA (Winn), MA, PhD (York), Professor
Valerie Kaebone, BScN (Alta), MEd (Loyola), PhD (Northwestern), Professor and Vice-President/External Relations
Alan Pence, BA, MS (Portand St), PhD (Ore), Professor
Roy Ferguson, BA, PhD (Alta), Associate Professor
Marie Hopkin, BA (UBC), MEd, PhD (UVic), Associate Professor
Douglas Magnusson, BA (Bethel), MA, PhD (U of MN), Associate Professor
Sandrina de Finney, BA (UVic), PhD (UVic), Candidate, Assistant Professor
Veronica Pacini-Ketchabaw, BA, MEd (York), PhD (U of T), Assistant Professor
Daniel Scott, BA (York), MA, PhD (UVic), Assistant Professor
Jennifer White, BA (UVic), MA (UBC), EdD (UBC), Assistant Professor
Shanne McCaffrey, BEA (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 service practitioners working with children, youth and their families. Graduates of the program are employed in front-line, supervisory and leadership positions in ministries and agencies throughout British Columbia and across North America. Employment opportunities exist in child welfare and child protection, social and mental health services, child day care centres, hospitals, schools, youth corrections agencies, infant development programs, child and youth advocacy programs, and a range of other community-based settings.

CHILD AND YOUTH CARE PROGRAMS

Students in the BA degree program in Child and Youth Care will integrate theoretical perspectives on human growth and development, behavioural change, and understanding and use of self with applied practice skills. Field-based practicum placements are a requirement during the third and fourth years.

Graduate Program
The School offers an MA in Child and Youth Care. For more information about this program, see the UVic Graduate Calendar.

Flexible Program Options for Students
The School of Child and Youth Care offers its BA degree program by distance and on-campus delivery options. The Distance/Distributed Education option blends web-based classroom environments with print and teleconference. These effective distance courses make it possible for the student to complete a BA in Child and Youth Care entirely at a distance (with the exception of one 6-day on-site seminar). Distance delivery is available throughout Canada and may be available to students in other locations by special arrangement. The distance delivery system allows child and youth care practitioners to remain in their home communities and to continue employment while pursuing their degrees.

SCHOOL OF CHILD AND YOUTH CARE ADMISSIONS (BA)

Students are selected on the basis of personal and professional suitability as well as academic standing. An interview is normally required as part of the application process. Paid or volunteer experience with children and/or youth is considered in the admission decision. Application information and forms are available on the SCYC website: <www.cyc.uvic.ca>.

On Campus Admission
Students are eligible to apply to the School of Child and Youth Care (SCYC) upon completion of a minimum of 12 units of university credit or its recognized equivalent (e.g., college transfer credit). Three of those units must be English at the 100 level, completed with a grade of C+.

Distributed Learning Admission
Entrance to the distributed learning stream is based on completion of CYC 200 and 252, and 3 units of 100-level, university-transfer English, with a minimum grade of 3.0 (C+) in each course. These courses can be completed through either Thompson Rivers Open Learning University or UVic. Upon completion of these courses, all distributed learning students can apply for admission to the SCYC program. Non-UVic students must apply to both UVic Undergraduate Admissions and the SCYC for entry to the SCYC program. Application deadline is February 28.

Special Category Applicants (Distributed Learning Applicants Only)
The School of Child and Youth Care is interested in extending university-level learning opportunities to residents of BC and other regions who wish to do their courses by distributed learning and who may not qualify under the normal categories of admission. Distributed learning students wishing to complete the required prerequisite courses may be considered for admission to the University under the Special Category provision.

Applications who qualify in this category will be selected for consideration for admission on the basis of the following criteria:
• Persons who are at least 23 years of age (prior to the beginning of the session applied for)
• Persons whose academic achievements have been significantly delayed, interrupted or adversely affected by:
  - cultural or economic disadvantages, or
  - family or similar responsibilities and the consequent need to attend to these responsibilities or maintain employment.

Those who qualify for consideration in the Special Category will be selected by the School of Child and Youth Care and approved by the Senate Committee on Admission, Reregistration and Transfer for admission in the Special Category on the basis of educational history and non-educational achievements that indicate an ability to succeed at university.

New Students
New students must submit an application for admission to UVic’s Undergraduate Admissions and an SCYC application to the School by February 28. Applications for the School of Child and Youth Care may be accessed at the SCYC website: <www.cyc.uvic.ca>.

Returning Students
Returning students to the University of Victoria (distributed and on campus) must submit an application for reregistration to UVic Records Services and a SCYC application form to the School by February 28. Applications for the School of Child and Youth Care may be accessed at the SCYC website: <www.cyc.uvic.ca>.

Transfer Credit
Students who have completed a human services training program at an accredited institution with an overall GPA of B (5.0) or higher may be eligible to receive block credit upon admission to the SCYC (15 units for a one-year certificate, and 30 units for a two-year diploma). For further information on transfer credit, consult the BC Child and Youth Care Educators’ website: <www.cycpec.bc.ca>.

SCHOOL ACADEMIC REGULATIONS

Criminal Record Checks
Criminal record checks are required of students before they commence practicum placements. Students are responsible for completing this process.

Leave of Absence
Upon completion of one or more years in the School of Child and Youth Care, students may apply in writing to the School for a one-year leave of absence. The deadline for such a request is normally March 31.

Prior Learning Assessment
Prior Learning Assessment (PLA) uses a range of flexible assessment procedures, including course challenge, to evaluate for credit within the Child and Youth Care program learning that is gained through non-credit education, training or experience.
Learners may receive recognition for demonstrated learning that is consistent with the achievement levels and learning outcomes appropriate to selected courses. The assessment of prior learning will be completed by a faculty member teaching the course containing the content being considered, or by a faculty member with expertise in the area.

Initially a maximum of 10.5 units of academic credit may be obtained through PLA. No course whose equivalent already appears on a student’s transcript may be completed by PLA.

Normally only students who have been admitted to the School of Child and Youth Care can apply for PLA. Initial inquiries should be directed to the Student Advisor, who can provide PLA application forms and deadlines. Access to flexible assessment in any particular year is dependent upon the availability of resources.

All second-, third- and fourth-year core courses may be challenged, with the exception of CYC 410, 474, 475 and 476. Elective courses may not be challenged.

**Standing**
Students whose sessional GPA falls below 3.0 or who fail to receive a C+ in any core CYC or other required course may be required to withdraw from the program.

**PROGRAM REQUIREMENTS**

**Child and Youth Care Course Information (BA)**
- Students need a minimum of 60 units to graduate; 30 of these must be UVic units.
- Students must successfully complete second-year core courses before starting third-year courses, and must complete third-year courses before fourth year.
- All 200-level courses are available by distance delivery to both UVic and non-UVic students.
- Elective course requirements vary depending on transfer credit or previous UVic course work. Elective courses may be taken on campus or through distance education. Most UVic or UVic-transferable courses may be used towards electives. See CYC course offerings.

**BA Degree in Child and Youth Care**

**Required Courses**

**Second Year**
- CYC 200 (3.0) Introduction to Professional Child and Youth Care Practice
- CYC 252 (3.0) Fundamentals of Change in Child and Youth Care Practice
- 3 units of developmental theory: child, adolescent, human or lifespan development required prior to CYC 338 and 310

**Third Year**
- CYC 301 (3.0) Processes of Change
- CYC 338 (3.0) Applying Developmental Theory in Child and Youth Care Practice
- CYC 310 (4.5) Supervised Practicum
- CYC 310A (4.5) Child and Youth Care Practicum by Prior Learning Assessment (PLA)
- CYC 371 (1.5) Building Caring Partnerships

**Fourth Year**
- CYC 465 (1.5) Theory of Child and Youth Care Practice with Groups
- CYC 466 (1.5) Theory of Child and Youth Care Practice with Families
- CYC 410 (4.5) Advanced Supervised Practicum
- CYC 410A (4.5) Advanced Supervised Block Practicum
- CYC 423 (1.5) Research Methods in Child and Youth Care
- CYC 424 (1.5) Applied Qualitative and Quantitative Research Methods for Human Services Professionals

**Advanced Practice Courses**

Students select one of the following:
- CYC 474 (1.5) Child and Youth Care Practice with Individuals
- CYC 475 (1.5) Child and Youth Care Practice with Groups
- CYC 476 (1.5) Child and Youth Care Practice with Families

**BA Degree in Child and Youth Care (Child Protection Stream) Required Courses**

The intent of the Child Protection stream is to prepare students for child protection work and other positions in government and non-profit child welfare agencies. The following courses must be completed to meet the requirements for the Child Protection stream:

**CYC 350A (SOCW 350A) (1.5)**
- Child and Youth Care and Legal Contexts

**CYC 350B (SOCW 350B) (1.5)**
- Child and Youth Care Practice and Legal Contexts

**HSD 462 (1.5)**
- Perspectives on Substance Use

**HSD 465 (1.5)**
- Introduction to Disability Studies

**HSD 465 (1.5)**
- Interdisciplinary Practice with Children and Families

**OR CYC 474 (1.5)**
- Child and Youth Care Practice with Individuals

**OR CYC 476 (1.5)**
- Child and Youth Care Practice with Families

**Notes:**
For students in the child protection specialization, the fourth-year practicum, CYC 410, must be completed in a Ministry of Children and Family Development or delegated First Nations child welfare agency.

*CYC 474 and CYC 476 may only be taken in the fourth year of the program.*

**DIPLOMA IN CHILD AND YOUTH CARE, ABORIGINAL COMMUNITY-BASED COURSE WORK**

The School has responded to the child and youth care needs of specific cultural groups through the development of community-based, culturally sensitive course work. This course work is available only through specific Aboriginal community partnerships; courses with the prefix CYCB (see course listings) are not available to students outside of community partnerships, neither on campus nor via distance education.

Certain specific admission and program criteria apply to students enrolled in this program. Those criteria are specified in a Memorandum of Agreement with each tribal organization. The School recognizes the successful completion of the two-year program (28.5 CYCB units plus 1.5 units of English) with a Diploma in Child and Youth Care; the two-year Diploma is recognized towards completion of the four-year degree program in CYC.

Completion of the two years of CYCB course work also allows the student to apply to the BC provincial government for certification and registration as an Early Childhood Educator, having met the requirements for Basic and Post-Basic Certificates in Early Childhood Care and Education (ECCE) in BC. For more information, please contact the Director of the School.

**Admission Requirements**

Students who have been recommended by the appropriate Aboriginal community review body for admission to the Aboriginal community-based course work in the School of Child and Youth Care have the option to apply for restricted UVic admission. Such students must complete a UVic Application for Admission and submit it to the School of Child and Youth Care. This application form must be submitted to the Director of the School no later than August 15 for entry into the Winter Session. Students wishing to be admitted to UVic under the regular admission procedures should refer to undergraduate admission requirements on page 21.

Under the restricted admission procedure, students will be admitted to the Child and Youth Care Aboriginal community-based course work only, and students wishing to pursue or to continue their studies in any other UVic programs must apply to reregister through UVic Undergraduate Admissions.

Credit obtained from the Child and Youth Care Aboriginal community-based course work may be transferable to a regular UVic degree program. Students who wish to pursue a BA in Child and Youth Care at UVic must reapply to UVic Undergraduate Admissions and fulfill all normal admission and program requirements of the School of Child and Youth Care.

Initially all students will be coded as not satisfying the UVic English requirement (see page 29). Students will be coded as satisfying the English requirement once UVic Undergraduate Admissions has approved completion of the English requirement. Official transcripts must be submitted to Undergraduate Admissions for English courses completed at another accredited, recognized institution. Students may receive credit within the Aboriginal community-based Child and Youth Care diploma for ECE certificates from...
an accredited post-secondary institution. No more than 15 units of transfer credit will be granted.

Further information is available at the following website: <www.uvic.ca/fhpp>.

School of Health Information Science

André Kashniruk, BA (Brock), BSc (Brock), MSc (McMaster), PhD (McGill), Associate Professor and Director
Malcolm MacLure, BA (Oxford), SD (Harvard), SM (Harvard), Professor
Jochen R. Moehl, Staatssexamen, DrMed (Marburg), Habilitation Medizinische Informatik (Hannover Med School), Professor Emeritus
Denis J. Protti, BSc (Alta), MSc (Man), Professor
Gerhard W. Brauer, BA (UVic), MA (UBC), Associate Professor
Francis Lau, BSc (Alta), MSc (Alta), PhD (Alta), Associate Professor
Scott MacDonald, BSc (UVic), MA (Toronto), PhD (Western Ontario), Associate Professor
Benjamin Jung, PhD (Trinity College Dublin), Assistant Professor
Elizabeth Borycki, RN, HBScN (Lakehead), MN (Manitoba) Assistant Professor (Limited Term)
Ken Chung, BA (California), MSc (Calgary), Senior Laboratory Instructor
Dave Hutchinson, BSc (Calgary), MSc (Otago), Co-operative Education Coordinator

Visiting, Adjunct and Cross-listed Appointments
Gerrit W. Clements, BA (Calgary), LLB (Alta), Adjunct Professor
John Horne, BA (Victoria), MA (Carleton), PhD (Carleton), Adjunct Professor
Richard 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 (Alta), BScN (Toronto) Adjunct Associate Professor
Paul D. Fisher, BSc (UVic), MSc, PhD (Alta), Adjunct Associate Professor
Michael R.J. Guerriere, MD (Toronto), Adjunct Associate Professor
Donald W. Juzwishin, BA, MHSA (Alta), Adjunct Associate Professor
Richard Scott, BSc (Plymouth), PhD (Calgary), Adjunct Associate Professor
Daniel Vincent, BScMed (Alberta) 1976, MD (Alberta), RCPC (Canada), ABDA (USA), Adjunct Associate Professor
Marilynne Herbert, BSc (Alberta), PhD (UBC), Assistant Professor (Limited Term)
Ellen Balka, BA (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), HBA (Lakehead), BEd. (Lakehead), M.Ed. (UBC), PhD (UBC), Adjunct Assistant Professor
Stephen Kenny, BSc (Dalhousie), MSc (Alta), Adjunct Assistant Professor
Roman Mateyko, B.A.Sc., (Toronto), Adjunct Assistant Professor
James G. McDaniel, BS (Case Western Reserve), BSc (UVic), MS (Cornell), PhD (UVic), Adjunct Assistant Professor
Howard Pui, MD, FRCP(C) (Western Ontario), 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-operative Education program.

School Admission Requirements

Admission to the School of Health Information Science is limited to approximately 40 students per year. Students are selected on the basis of grades and a personal written submission. All students upon admission to the School are required to attend a one-hour orientation seminar.

Secondary School Graduates

Admission requirements for applicants from secondary school are presented on page 22 of the Calendar.

Applicants Transferring from Other Faculties or Institutions

Students wishing to transfer to the School of Health Information Science from other Faculties at the University of Victoria or other colleges or universities, must either:
• meet the admission requirements for secondary school graduates (see page 22), OR
• have completed a minimum of 12 units of university-level courses and have a GPA of at least 3.5.

Credit for previous post-secondary studies may be granted as appropriate. Applicants seeking advanced placement are advised to read the minimum degree requirements on page 31.

All new applicants must submit an Application for Admission to the University to Undergraduate Admissions and a Health Information Science Application to the School.

UVic students (those seeking admission from another faculty and those previously enrolled in the program) must submit an Application for Reregistration to Records Services and a Health Information Science Application Form to the School.

The deadline for submitting applications for all categories of students is February 28.

Academic Regulations

Course Regulations

Health Information Science students must normally have successfully completed all courses listed under First Year, below, prior to taking 300-level HINF courses.

Students from other schools or departments may take 300- and 400-level courses with the permission of the Director and their respective Director or Chair. If enrollment restrictions are necessary, preference will be given to students registered in the Faculty of Human and Social Development.

Leave of Absence

Students must apply in writing to the Director for a leave of absence. Unless given written permission by the School of Health Information Science to take a leave of absence, students who do not reregister will be considered to have withdrawn. Students on leave of absence are considered outside the program and will not be granted work term credit for experience gained during the leave.

Program Completion Limit

The Health Information Science Program must normally be completed within five years from the date of admission. The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits.

Readmission

Students required to withdraw will be considered for readmission only after achieving a GPA of 3.5 or higher on a minimum of four courses in one academic term. The School of Health Information Science is under no obligation to readmit students who have been required to withdraw.

To be readmitted to the School, students may be required to repeat Health Information Science courses previously completed if, in the 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 114, and may be required to withdraw from the School for violating these provisions.

**Program Requirements**

To meet the requirements of the degree in Health Information Science, students must complete:

1. 60 units comprising:
   - a core of 43.5 units
   - a minimum of 7.5 units selected from the Area of Concentration courses
   - 9 units of other electives
2. a minimum of three Co-op work terms. The granting of work term credit by challenge is not normally permitted.

Work term placements are across Canada and students must be prepared to accept placements outside Victoria. All students are expected to attend the weekly health informatics seminars scheduled by the School.

**Course Requirements**

For elective courses, it is strongly suggested that students take at least:

a) one elective from the Departments of History, Philosophy or Linguistics AND
b) one elective from the Departments of Sociology, Political Science or Anthropology AND
c) one or more of the following courses, which provide useful background for HINF courses:
   - COM 220 (1.5) Organizational Behaviour
   - COM 270 (1.5) Financial and Management Accounting for Specialists
   - ECON 103 (1.5) Principles of Microeconomics
   - THEA 150 (1.5) Public Speaking

Note: Students who have not taken BIOL 12 will be required to take a Biology course before proceeding to second-year HINF courses. See Requirements under First Year.

### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSC 110 (1.5)</td>
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<tr>
<td>CSC 115 (1.5)</td>
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<tr>
<td>ENGL 115 (1.5)</td>
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<tr>
<td>or ENGL 135 (1.5)</td>
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<tr>
<td>HINF 140 (1.5)</td>
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<tr>
<td>HINF 172 (1.5)</td>
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<tr>
<td>MATH 151 (1.5)</td>
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<tr>
<td>Electives (3.0 or 4.5)</td>
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1. Students without Biology 12 are required to take one of the following:
   - PE 141 (1.5) Introductory Human Anatomy
   - BIOC 102 (1.5) Biochemistry and Human Health
   - BIOL 150A or 150B (1.5) Modern Biology
   - BIOL 190A (1.5) General Biology
   - Students with credit for Biology 12 will take 4.5 units of electives.

### Second Year: First Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HINF 200 (1.5)</td>
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<tr>
<td>HINF 230 (1.5)</td>
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<tr>
<td>Electives (3.0)</td>
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### Second Year: Second Term

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<th>Course</th>
<th>Credits</th>
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<tr>
<td>HINF 201 (1.5)</td>
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<td>HINF 265 (1.5)</td>
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<tr>
<td>HINF 280 (1.5)</td>
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<tr>
<td>Electives (3.0)</td>
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### Second Year: May-August

#### Co-op work term

### Third Year: First Term

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HINF 140 (1.5)</td>
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<tr>
<td>HINF 172 (1.5)</td>
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<tr>
<td>Electives (7.5)</td>
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</table>

### Fourth Year: Second Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HINF 410 (1.5)</td>
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<tr>
<td>HINF 420 (1.5)</td>
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<td>HINF 450 (1.5)</td>
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<td>HINF 461 (1.5)</td>
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<tr>
<td>HINF 470 (1.5)</td>
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<tr>
<td>Electives (3.0)</td>
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### Fourth Year: May-August

#### Co-op work term

### Senior Electives

Students are required to select a minimum of 7.5 units from the following courses to complete their degree. The restrictions in course selection are noted below. Students wishing to take 300- and 400-level courses not listed below must receive prior written permission from the Director. Health Information Science students require permission of the Dean of Engineering to take Engineering courses.

ADM 424 may not be taken for credit by students of Health Information Science.
Other courses3 ..........................7.5

1. Students without grade 12 Biology must replace
this elective with one of PE 141, BIOC 102, BIOL 150A, BIOI 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, Com-
puter Science or SENG.

Co-operative Education

Please refer to page 44 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 approxi-
mately four months duration each (13 weeks mini-
mum). 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 alter-
ate with formal academic terms in Health Infor-
mation 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 Informa-
tion Science office, by the end of the first month
of the work term. Students not registered by that
time will not receive credit for that work term.

Students are expected to participate fully in the
placement process. While every attempt will be
made to ensure that all eligible students are
placed, the School of Health Information Science
is under no obligation to guarantee placement.

Students who decline a valid co-op job offer are
ineligible to participate in the placement process
for the remainder of that term. Work terms in
Victoria are not guaranteed.

Work Term Assessment

The work term performance of each student will
be assessed on the basis of:

1. the employer’s evaluation of the student
2. the submission of a work term report by the
specified deadline as follows:
   Fall Work Term Report . . . . . . . . . . . January 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 em-
ployer

*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 em-
ployer’s policy. Both the employer and the Uni-
versity 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 with-
out the prior written approval of the Director.

Computer Science and Health Information
Science Co-op

Students admitted to the Combined Major Pro-
gram in Health Information Science and Com-
puter Science are required to take part in the Co-
operative Education Program. In addition to
completing their degree requirements, they must
complete a minimum of three work terms with at
most two in one department, and be enrolled in a
minimum of six units of course work each cam-
pus 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

Marjorie MacDonald, BN (Calg), MSc (Wat), PhD
(Brit Col), Associate Professor and Interim
Director of the School
Elizabeth Banister, BSN (Alta), MA, PhD
(Victoria), Professor
Elaine M. Gallagher, BSc (Windsor), MSc (Duke),
PhD (S Frasier), 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
Janet Storch, BScN, MHSA, PhD (Alta), Professor
Jean Isobel Dawson, BScN (McG), MScN (St Louis),
MA, PhD (Tor), Associate Professor
Gweneth A. Doane, BSN, MA, PhD (Victoria),
Associate Professor
Lucia M. Gamroth, BS (Mt Angel Coll), BSN (St
Louis), MS (Oregon Health Sci U), MPA (Portland
St), (Oregon Health Sci U), Associate Professor
Marjorie McIntyre, BSN (Victoria), MSN (Brit
Col), PhD (Colorado), Associate Professor
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
Laurene E. Shields, BSN (Victoria), MS, PhD (Ore),
Associate Professor
Rosalie Starzomski, BN (Dal), MN (Calg), PhD
(Brit Col), Associate Professor
Lynne Young, BSN, MSN, PhD (Brit Col), Associate
Professor
Anne Bruce, BSN (Victoria), MSN, PhD (Brit Col),
Assistant Professor
Janice McCormick, BN (Man), MScN, PhD (Tor),
Assistant Professor
Carol McDonald, BSN, PhD (Calg), Assistant
Professor

Wendy Neander, BSc (U of Wisconsin), BScN
(Arizona State U), MN (Alta), Assistant Professor
(Limited Term)
Heather Pattullo, BScN (U of New Brunswick),
MEd (Brit Col), Assistant Professor (Limited
Term)
Kelli Stajduhar, BSN (Victoria), MSN, PhD (Brit
Col), Assistant Professor
Linda Flato, BSN (Vermont Coll of Norwich U),
MSN (Brit Col), Senior Instructor
Coleen Heenan, BSN (Brit Col), MS (U of
Portland), Senior Instructor
Mary Lougheed, BScN (Alta), MN (Victoria),
Senior Instructor
Jeannine Moreau, BSN, MN (Victoria), Senior
Instructor

Sharon Ronaldson, BSN, MEd, PhD (Brit Col),
Senior Instructor (Limited Term)
Robin Scobie, BScN (U of Tor), MSN (U of
Toronto), Senior Instructor
Spencer Wade, BScN, MA (Psych), PhD (Psych)
(Brit Col), Senior Instructor (Limited Term)
Nancy Wright, BSN, MN (Victoria), Senior
Instructor
Lynn Guengerich, BSN (Arkansas State), MSN
(Texas Women’s Univ), Nurse Practitioner Faculty
Coordinator
Patricia K. Blondé, Administrative Coordinator
Marilyn Brown, BA (Wat) MEd (Victoria),
Program Director, Distance Education
Joan Gillie, BA (USP), MA (Victoria), Coordinator,
Student Affairs
Carolyn Hammond, BSc (Brit Col), MN (Victoria),
Practica Coordinator
Elizabeth Kidd, BA (Winnipeg), Practica
Coordinator
Janean Kidd, BSN (Manitoba), Practica
Coordinator
Lori Klear, BA (Victoria), Admissions/Liaison
Officer
Cindy MacDonald, Program Assistant, Distance
Education
Diane MacLeod, BSN (St Francis Xavier), Practica
Coordinator
Katrina Pandak, BA (Victoria), Admissions/ Liaison
Officer
Kara Schick Makaroff, BSN (U of Sask), MN
(Victoria), Practica Coordinator

Visiting, Adjunct and Cross-listed
Appointments

Patricia Boston, BA, MA (Concordia), PhD
(McGill), Adjunct Professor
Gerrit Clements, BA (Calg), LLB (Alta), Adjunct
Professor
Robert Calnan, BSN, MEd (Victoria), Adjunct
Associate Professor
Heather Davidson BSc, MSc, PhD (Victoria),
Adjunct Associate Professor
Lyn Davis, BA, MA, PhD (Florida State U),
Adjunct Associate Professor
Victoria Scott, BScN, PhD (Victoria), Adjunct
Associate Professor
Reginald Smith, BSc (Pharm) (Brit Col), Pharm D
(U of Kentucky), Adjunct Associate Professor
USA may complete the BSN degree program by distance education. The purpose of these programs is to educate nurses to work with individuals, families, groups or communities from a health promotion perspective and an ethic of caring. The CAEN curriculum is based on a philosophy which reflects a commitment to implement a phenomenological and socially critical curriculum which considers the changing health care needs of our society. The philosophy is considered to be alive and evolving. Emerging from the philosophy is the metconception 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 and 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 and Lower Mainland, 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 (Victoria or Lower Mainland campuses) in order to complete four additional semesters to graduate with a BSN degree. Students who enter the Langara Program from September 2004 onwards should contact Langara College for degree completion details.

Continuing students are not usually permitted to register in condensed on-site nursing electives due to scheduling conflicts with other on-campus required nursing courses or consolidated practice experiences. Registration priority in distance courses is granted to distance students. Post-Diploma Program (Distance Education)

The entire BSN program is available to post-diploma students in Canada and the USA by distance learning. Distance education courses are offered according to a pre-planned schedule. Most core courses are offered three terms per year, and advanced nursing electives are usually offered once a year.

Methods for delivery of distance education courses vary from a media-based format using print, CD-ROM and WebCT to on-site workshops. Registration priority in on-campus core nursing courses and nursing elective courses (excepting condensed on-site electives for distance students) is granted to on-campus Continuing students. Post-diploma students may apply to register in on-campus courses, space permitting, on a case-by-case basis.

School Admission Requirements

Entry Dates

The School of Nursing has three entry dates for admission (dependent upon the student’s program of study). Deadlines for the submission of applications are:

For September entry: March 31
For January entry: September 30
For May entry: January 15 (for Lower Mainland on-campus continuing CAEN students only)

Continuing Program Admission Requirements (Victoria, Lower Mainland, 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.
Post-Diploma Program Admission Requirements

Each applicant is assessed individually by the School of Nursing. For post-diploma entry to the University of Victoria and the Bachelor of Science in Nursing program, an applicant must:

1. Normally be a resident in Canada or the USA throughout the duration of the program.
   Note: Students applying from the USA have additional admission requirements. Please contact an adviser for further information.

2. Complete a University of Victoria undergraduate application form.

3. Complete a School of Nursing application form.

4. Provide official verification of active practic- ing registration as a Registered Nurse (or the equivalent in the jurisdiction(s) in which the student is taking the program). Active practic- ing registration must be maintained for the duration of the program.

5. Provide two official transcripts demonstrating successful completion of an approved Diploma Nursing Program.

6. Provide two official transcripts of all other post-secondary education.

7. Provide evidence of successful completion of a basic life support level-C course no more than 12 months prior to admission. A valid CPR level-C certificate must be maintained for the duration of the BSN program.

8. As of September 2001, all students entering the BSN Distance Education program must have access to the Internet, e-mail and the World Wide Web for the duration of the program.

Additional Requirements

1. It is recommended that applicants provide evidence of current immunizations upon admission to the program. All students must keep immunizations updated and provide documentation to practice agencies when required.

2. It is the responsibility of students transferring from a CAEN partner to UVic part-way through year 3 or 4 to contact an Admissions/Liaison Officer for information regarding admission procedures, residency requirements and course sequencing. Students transferring mid-program may be required to repeat course work to meet graduation requirements.

3. 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.

4. 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.

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 will receive credit for the course specified. 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, page 114, and Regulations Concerning Practica 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 351, 370, 431, 470, 475, 483, 491, 495) and there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in a nursing practice course has adversely affected or may adversely affect, those associated with the practice placement including:
   a) clients and/or their families;
   b) student peers;
   c) health care professionals, agency volunteers or others in health related fields liaising with the UVic BSN program

OR The student has breached the HSD Faculty Guidelines for Professional Conduct and Regulations Concerning Practica, the Canadian Nurses' Association (CNA) Code of Ethics for Registered Nurses or the College of Registered Nurses of British Columbia (CRNBC) professional and/or practice standards (or the equivalent in the province/territory/state in which the student practises), the course instructor may then:

   a) restrict activities of the student in the course in such a manner as the instructor deems appropriate and/or
   b) suspend the student's continued participation in the course prior to the course end date and/or
   c) assign a failing grade (grade of F or N) to the student's performance in the course and report the failure to the designated committee.

2. The School of Nursing designated committee will review a student's 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 Practica, the Canadian Nurses' Association (CNA) Code of Ethics for Registered Nurses or the College of Registered Nurses of British Columbia (CRNBC) professional and/or practice standards (or the provincial/territorial/state equivalent where the student practicum is taking place).

After receiving a written request from the student and giving the student an opportunity to be heard by telephone conference call, or in person, the designated committee may permit a student to retake a course in which a student has been assigned a failing grade (with or without additional requirements/conditions) OR require the student to withdraw from a nursing program in which the student is enrolled.

Practice courses, and the corequisite theory course where applicable, in deferred status must be completed prior to starting a subsequent practice course.
Program Completion Limit
The nursing program at the University of Victoria must normally be completed:
- Continuing Program: within seven years from the date of admission to the School of Nursing at the designated CAEN partner institution
- Post-Diploma Program: within six years
The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits. Students seeking readmission to the School may be required to repeat nursing courses previously completed if, in the 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).

Graduation Standing
For degrees granted in the Faculty of Human and Social Development, of which the School of Nursing is a part, a graduating average of 7.5 is the lower limit for the degree notation “With Distinction” for students who are in the top fifteen percent of graduates in the BSN program. This policy is not yet effective, please see “With Distinction”, page 39.

Nursing Practice Requirements
Nursing practice experiences in health agencies are essential in the nursing program. It may not be possible to arrange nursing practice experiences in the location and at the time preferred by students. Students must arrange their own transportation. Travel and accommodation arrangements and costs associated with practice experiences are the responsibility of the student. Students are not permitted to transport clients, field guides, instructors, etc., when using their own vehicles for practice.

Code of Ethics and Standards of Practice
All students must adhere to the Canadian Nurses’ Association (CNA) Code of Ethics for Registered Nurses and/or to the professional and practice standards (or equivalent) of the Registered Nurses’ licensing organization in the jurisdiction in which they are undertaking their practice experience. Students who fail to adhere to these codes and standards may be required to withdraw from the program.

Please refer to the Faculty’s Guidelines for Professional Conduct, page 114 and Regulations Concerning Practica, page 114.

Criminal Record Reviews
While not a requirement for admission, most practice agencies require the completion of a Criminal Record Review before accepting a student’s placement in the agency. Any costs related to this are the responsibility of the individual student. Students who do not complete the Criminal Record Review may be unable to obtain a practice placement.

Post-diploma students in BC have a Criminal Record Review completed with their CRNBC registration. Post-diploma students undertaking practice experiences in a jurisdiction outside BC are responsible for ensuring they have a Criminal Record Review or equivalent if required by their practice experience agency.

It is strongly recommended that continuing students register as student members of CRNBC; a Criminal Record Review is completed as part of the registration.

Applicants or students with criminal convictions are advised to contact the appropriate registered nurses’ association for information regarding criminal convictions and registration as a nurse in the jurisdiction in which they are undertaking their practice experience.

Health Insurance Coverage
All students must maintain basic and extended health care insurance coverage throughout the duration of the program.

Immunizations and Current Basic Life Support Certificate
Many agencies require proof of current immunizations and basic life support certification. All costs and responsibilities associated with these are the responsibility of the individual student.

Oath of Confidentiality
Some agencies may require students to take an Oath of Confidentiality.

Practicing Registration (Post-Diploma students only) and Malpractice Insurance (Post Diploma USA students only)
In addition to the above requirements, all post-diploma students must have active practicing registration as a Registered Nurse or the equivalent registration for the jurisdiction in which they are undertaking their practice experience. Periodically, information provided by students will be checked. Please note that students studying outside of BC are required to submit verification of active practicing registration to the School of Nursing annually. Students studying in the US must also provide proof of current malpractice insurance, annually, for the duration of the program.

Post-diploma students may complete practice requirements in their place of work during paid working hours if arrangements have been negotiated with the workplace according to School of Nursing guidelines. Appropriate documentation must be submitted to the School of Nursing prior to practice commencement. Contact the Practica Coordinator for further information and guidelines.

BSN Graduation Requirements
Minimum Degree Requirements
A minimum of 21 units of course work must be done through the University of Victoria by all students, although students are encouraged to complete as much of their course work as possible from the University of Victoria.

To meet University of Victoria graduation requirements, at least 21 units must be numbered at the 300 or 400 level (see Minimum Degree Requirements for Graduation, page 38).

Continuing students must complete 31.5 units of course work of which no more than 3.0 units may be transfer credit.

Post-diploma students must complete 24 units of course work of which no more than 3.0 units may be transfer credit.

Transfer Credit
Students may be permitted, with the approval of the Director or designate, to present up to 3 units of transfer credit from institutions other than the University of Victoria. Course work can be completed college or university level post-basic certificate/diploma programs and/or approved university-level nursing and/or non-nursing courses. Students are advised to ensure the acceptability of such courses by the School of Nursing before enrolling in them. Students enrolled in the on-campus Continuing Program are not permitted to apply the Douglas College Breastfeeding course as credit toward the BSN program.

University English Requirement
All students must meet the Undergraduate English requirement, page 29.

Post-diploma students who do not meet the University of Victoria’s English requirement upon admission to the program are advised to register in English 115* online (by distance education) during their first or second term of study in the program. Please consult the appropriate WebReg guide for registration information, or contact the School of Nursing Adviser. Nursing students registering in the online English 115 course are NOT required to write the LPI examination, but may register directly in the course.

Early completion of the English requirement will facilitate writing academic papers. Students who have not satisfied the English requirement by the time they have completed 12 units of course work after admission to the BSN program (including courses completed elsewhere) will be ineligible for reauthorization and registration in future sessions until the requirement is satisfied.

Completion of English 115* will satisfy the non-nursing elective requirement in the program, if needed.

* or transferable equivalent course
### 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 481A (1.5) Gender Issues in Mental Health
- 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 4001 (1.5) Policy in the Human Services
- HSD 4012 (1.5) Women in the Human Services
- HSD 4253 (1.5) Qualitative and Quantitative Analysis

1. The intent is for students to select an elective that enhances their BSN course work. The elective can be a course at UVic or transferable to UVic, at the 100 level or above, outside the School.
2. May be taken more than once for credit to a maximum of 4.5 units.
3. May be used to satisfy either a nursing or non-nursing elective requirement.

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### 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
- **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
- **Frank Cassidy**, RBA (CCNY), MA, PhD (Stan), Associate Professor
- **Emmanuel Brunet-Jailly**, BA Law (University of Aix-Marseille III), MA (Virginia Polytechnic Institute and U of Paris), Post Graduate Degree in Management (Conservatoire National des Arts et Métiers), PhD (UWO), Assistant Professor
- **Lynda Gagné**, BA, MA (SFU), PhD (UBC), Assistant Professor
- **Cosmo Howard**, B Comm (Honours) (Griffith University), PhD (Australian National University), Cross listed Assistant Professor
- **Pierre-Olivier Pineau**, BA (Ecole des Hautes Etudes Commerciales), MA (Montreal), PhD (Ecole des Hautes Etudes Commerciales), Assistant Professor
- **Rebecca N. Warburton**, BA (Cornell), MSc (London School of Economics), PhD (U of London), Assistant Professor
- **Laura J. Black**, BA (McGill), MA (Waterloo), Co-operative Education Coordinator. On secondment to Social Sciences Co-op until September 2006
- **Heather A. Kirkham**, BA (Lethbridge), Program Manager, Diploma and Professional Programs
- **Barbara Svec**, MPA (UVic), Co-operative Education Coordinator
- **Jill Taylor**, BA (UofA), MEd (Canberra), Administrative Officer
- **Cindy Vallance**, BA (Emily Carr), Manager, Centre for Public Sector Studies

### Visiting, Adjunct and Cross-listed Appointments

- **Robert L. Bish**, PhD (Indiana), Professor Emeritus
- **James Cutt**, MA (Edinburgh), MA, PhD (UofT), Professor Emeritus
- **A. Rodney Dobell**, BA, MA (UBC), PhD (MIT), Professor Emeritus
- **John J. Jackson**, MSc (Ottawa), PhD (UofA), Professor Emeritus
- **Hartmut J. Will**, Dipl-Kfm (FU, Berlin), PhD (III), Professor Emeritus
- **Sandford Borins**, PhD (Harvard), Adjunct Professor
- **John L. Fryer**, BSc (London), MA (Pitt), Adjunct Professor
Students without a bachelor's degree will not benefit fully from the program. They possess the academic proficiency necessary applicants will be required to demonstrate that courses offered at the University of Victoria; applicants must complete ADMN 310, 312, 316, 420, 431 and one other ADMN course. The following courses are waived towards their DPMS requirements and students are not permitted to take these courses for further credit towards the DPMS: ADMN 311, 314, 421, 422 and 437.

Transfer Credit from the School's Professional Specialization Certificates

Upon admission to the Diploma in Public Sector Management Program, students who hold a Professional Specialization Certificate from the School may transfer four courses (6 units) into the DPMS. Students will be required to meet the Diploma requirements by completing at least seven 1.5 unit ADMN courses (not duplicating courses already taken in the Certificate). The combination of the PSC and Diploma must include ADMN 310, 311, 312, 314, 316, 420, 421 and 431.

Transfer Credit from Capilano College and Camosun College

Students who have successfully completed (with grade averages of C+ or better) Capilano College's Professional Certificate Program in Local Government Administration or either Camosun College's Diploma in Public Administration or Certificate in Local Government Administration may apply for block transfer credit to the DPMS. Students will be awarded 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 DPMS 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, 311, 312, 314, 316, 420, 421 and 431.
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
   - ADMN 423 ADMN 445 ADMN 446 ADMN 452 ADMN 470 ADMN 490

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 BCTI; community colleges or recognized professional associations.

Candiates 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

Certificate in Administration of Indigenous Governments

Students who have completed the CAIG may apply for admission to the Diploma in Public Sector Management. To meet the DPMS requirements, students must complete ADMN 310, 314, 420 and 431. The Diploma's requirement of ADMN 316 will be waived if a student has credit for IGOV 380.

Note: Students who completed the (former) Certificate in Administration of Aboriginal Governments (CAAG) must, upon admission to the DPMS, complete ADMN 310, 311, 312, and one of ADMN 314, 420 or 431, plus ADMN 316.

Transfer Credit

Students may be permitted to complete up to 4.5 units of credit towards the Diploma in Public Sector Management by taking appropriate courses offered through other departments of the University of Victoria or at other universities. Prior approval must be obtained from the Director of the School of Public Administration.

Students may be granted approval to exceed 4.5 units of transfer credit in cases where the credit has been (or will be) obtained for graduate-level courses taught through the School of Public Administration at the University.

At the discretion of the Director, block transfer credit of up to 4.5 units may be allowed for other post-secondary certificates or diplomas if the program covers appropriate topics.

Some courses in this program may be applied to a Diploma in Local Government Management (see below).

Transfer from UVic's Certificate in Public Management

Upon completion of UVic's eight-course Certificate in Public Management, students may be admitted to the DPMS Program with advanced standing in five courses (7.5 units). Students must complete ADMN 310, 312, 316, 420, 431 and one other ADMN course. The following courses are waived towards their DPMS requirements and students are not permitted to take these courses for further credit towards the DPMS: ADMN 311, 314, 421, 422 and 437.
Courses in this program will be available as enrollment warrants.

Program Requirements for Students Enrolled Prior to Fall 2004
Students enrolled in the Diploma in Public Sector Management program prior to Fall 2004 may opt into the new program by declaring their intention in writing to the Program Manager. They must meet the new program requirements (see above) to qualify for the DPSM.

Local Government Option
The Local Government Option within the Diploma in Public Sector Management program requires the completion of four courses: ADMN 312, ADMN 445, ADMN 452, and ADMN 465.

The Local Government Option has been identified by the Provincial Board of Examiners, in consultation with the Local Government Management Association of BC, as a mandatory educational requirement for the following credentials:

- Certificate in Local Government Administration
- Certificate in Local Government Statutory Administration
- Certificate in Local Government Executive Management

With these courses, in combination with other educational qualifications and relevant work experience in local government in British Columbia, local government employees may apply to the Board of Examiners for certification.

For further certification information contact:
Administrator, Board of Examiners
Ministry of Community Services
Parliament Buildings
Victoria BC V8W 1X4
Phone: (250) 387-4053

or

Executive Director, Local Government Management Association of BC
737 Fort Street
Victoria BC V8W 2Y1
Phone: (250) 383-7032
E-mail: lgma@lgma.ca

Diploma in Local Government Management
Students employed or seeking employment in local governments may opt to enroll in the Diploma in Local Government Management. This is a part-time, off-campus program of studies leading to the Diploma in Local Government Management and is offered via distance education plus (in some courses) workshops. The program is intended for practising or prospective managers in local government who wish to acquire the skills and background necessary for effective and responsible management, and who are interested in broadening their understanding of the administrative process.

The Diploma will be awarded upon successful completion of 11 courses or 16.5 units, with an overall GPA of at least 2.0. Courses in this program are applicable towards professional certificates awarded by the Board of Examiners, Ministry of Community Services (see Local Government Option, above).

Admission
Courses are taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at the University of Victoria; applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program.

Students without a bachelor’s degree will normally be expected to have obtained the equivalent of at least the first two years of post-secondary education at university or at institutions such as BCIT, community colleges or recognized professional associations.

Candidates without formal post-secondary qualifications but with demonstrable appropriate experience may be admitted as conditional students, with continuation in the program subject to performance in the first three courses with a grade of C+ or better.

In addition to academic background, all applicants should have a minimum of three years’ experience working in local (municipal or regional) government. (Experience in other levels of government and/or the non-profit sector may be considered.)

A limited number of students not formally admitted to the program may register for individual courses, with the permission of the Director of the School of Public Administration.

Inquiries about the program should be forwarded to:
Program Manager,
Diploma in Local Government Management
School of Public Administration
University of Victoria, Box 1700 STN CSC
Victoria BC V8W 2Y2
Phone: 250-721-8074
E-mail: hkirkham@uvic.ca

Transfer Credit
Students may be permitted to complete up to three courses (4.5 units of credit) towards the Diploma in Local Government Management by taking appropriate courses offered through other departments of the University of Victoria, other universities or university colleges. Prior approval must be obtained from the Director of the School of Public Administration.

Students may be granted approval to exceed 6 units of transfer credit in cases where the credit has been (or will be) obtained for graduate-level courses taught through the School of Public Administration at the University.

At the discretion of the Director, block transfer credit of up to 4.5 units may be allowed for other post-secondary certificates or diplomas if the program covers appropriate topics.

Transfer Credit from the School’s Professional Specialization Certificates
Upon admission to the Diploma in Local Government Management Program, students who hold a Professional Specialization Certificate from the School may transfer courses (6 units) into the DLGM. Students will be required to meet the Diploma requirements by completing seven 1.5 unit ADMN courses (not duplicating courses already taken in the Certificate). The combination of the PSC and Diploma must include ADMN 310, 312, 316, 423, 445, 448 (or 421), 452 and 465.

Transfer Credit from Capilano College and Camosun College
Students who have successfully completed (with grade averages of C+ or better) Capilano College’s Professional Certificate Program in Local Government Administration or Camosun College’s Diploma in Public Administration may apply for block transfer credit to the DLGM. Students will be allowed transfer credit of three courses (4.5 units), which will be counted towards their Diploma in Local Government Management elective requirements.

Transfer to UVic Degree Programs
Credit obtained within the Diploma in Public Sector Management program, less any credit transferred to the DPSM from a Certificate or Certificates in Administration of Indigenous Governments, Public Management, or Professional Specialization may be transferable to a regular undergraduate degree program. However, such transferability of credit, including transfer credit recognized from another institution, is always subject to the specific requirements of the degree program.

Program Requirements
The Diploma in Local Government Management program is available on a part-time study basis. The course delivery methods include study guides and readings (texts and/or selected articles), plus the following methods:

- computer-mediated instruction and conferencing
- intensive workshops
- tutoring by phone or e-mail

Completion of the 11 courses will normally take three to four years. Some courses may include intensive workshops at the University of Victoria or, if enrollment permits, at other BC locations.

The following is a typical program of studies:

1. 12 units of required courses or the equivalent in transfer credit (note: ADMN 448 preferred, but ADMN 421 permitted):
   - ADMN 310 (1.5)
   - ADMN 312 (1.5)
   - ADMN 316 (1.5)
   - ADMN 423 (1.5)
   - ADMN 445 (1.5)
   - ADMN 448 or ADMN 421 (1.5)
   - ADMN 452 (1.5)
   - ADMN 465 (1.5)

2. 4.5 units (three courses) chosen from other School of Public Administration undergraduate courses:

   Social/Applied Sciences
   ADMN 314
   ADMN 407
   ADMN 409
   ADMN 422
   ADMN 424
   ADMN 431
   ADMN 437
   ADMN 477

   Policy Areas
   ADMN 311
   ADMN 446
   ADMN 470
   ADMN 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 re-register if they are former UVic students); and
2. Apply for admission to the Certificate Program through the School of Public Administration.

Program Requirements

The requirements for each Professional Specialization Certificate are:
1. Four ADMN 300- or 400-level courses (1.5 units each).
2. No transfer credit will be allowed, but course substitutions will be permitted if a student already has taken a required course (or equivalent). A course may not be counted towards more than one Professional Specialization Certificate.

The following are the required courses for Professional Specialization Certificates. Course substitutions at the ADMN 300 and 400 level may be allowed by the School. In addition to the courses listed below, the following courses may be used towards any Professional Specialization Certificate if the topic is relevant to the particular specialization:

- ADMN 470: Contemporary Topics in Administration
- ADMN 490: Directed Studies

Cultural Sector Leadership

An on-campus orientation session may be required, in addition to the following courses:

ADMN 409 .............................................................1.5
ADMN 437 .............................................................1.5
ADMN 477 .............................................................1.5

Plus, choice of one of:

HA 488 .............................................................1.5
HA 488R .............................................................1.5
HA 488M .............................................................1.5

Required:

ADMN 431 .............................................................1.5
or ADMN 423 .............................................................1.5

Plus, choice of three of:

ADMN 312 (if ADMN 423 chosen as required) 1.5
ADMN 422 .............................................................1.5
ADMN 423 (if ADMN 312 chosen as required) 1.5
ADMN 445 .............................................................1.5
ADMN 446 .............................................................1.5
ADMN 448 .............................................................1.5
ADMN 452 .............................................................1.5
ADMN 465 .............................................................1.5
ADMN 477 .............................................................1.5

Voluntary and Non-Profit Sector Management

Required:

ADMN 409 .............................................................1.5
ADMN 437 .............................................................1.5

Plus, choice of two of:

ADMN 407 .............................................................1.5
ADMN 413 .............................................................1.5
ADMN 421 .............................................................1.5
ADMN 477 .............................................................1.5

Transfer Credit to the School’s Diploma Programs

Upon admission to either the Diploma in Public Sector Management or the Diploma in Local Government Management Program, students who hold a Professional Specialization Certificate from the School may transfer up to four courses (6 units) into the DPSM or DLGM. Students may not duplicate courses already taken in the Certificate. The combined courses in a student's PSC and Diploma program must include all the required courses in the Diploma program.

School of Social Work

Leslie Brown, BSW (Regina), MPA, PhD (Victoria), Associate Professor and Director of the School (2001–2006)

Patricia MacKenzie, BSc (Oklahoma Christian), MSW (British Columbia), PhD (Edinburgh), Associate Professor

Mehmoona Moosa-Mitha, BSW (Ryerson), MSW (McGill), PhD (Southampton), Associate Professor

David T. Turner, LLB (Sheffield), DipSW and Admin (Oxford), Associate Professor

Barbara Whittington, BA, MSW (British Columbia), Associate Professor

Jacquie Green, BSW, MPA (Victoria), Assistant Professor

Donna Jeffery, BSc (Calgary), BSW (Calgary), MA (OISE/Toronto), PhD (OISE/Toronto), Assistant Professor

Susan Strega, BSW (Manitoba), MSW (Victoria), PhD (Southampton), Assistant Professor

Margaret Kovach, BA, BSW (Regina), MSW (Carleton), PhD Candidate (Victoria) Assistant Professor (2004–2006)

Harpell Montgomery, BSW, MSW (Victoria), Assistant Professor (2004–2006)

Todd Ormiston, BSW, MPA (Victoria), Assistant Professor (2004–2006)

Robina Thomas, BSW, MSW, PhD Candidate (Victoria), Assistant Professor

Elias Cheboud, BSW (Victoria), MSW (UBC), PhD (Victoria), Senior Instructor (2005–2006)

Yvonne Haist, BSW, MEd (Victoria), DipAdEd (British Columbia), Senior Instructor

Cheryl Moir-van Iersel, BSW (Calgary), MSW (British Columbia), Senior Instructor

Roberta Taylor, BSW, MSW (Victoria), Senior Instructor

Adjunct and Cross-listed Appointments

Boyle, Michael, BA (Alberta), BSW, MSW (Calgary) Adjunct Assistant Professor

Barbara M. Herringer, BA (Alberta), BSW, MSW (British Columbia), PhD (Victoria), Adjunct Associate Professor

Lena Dominelli, BA (Simon Fraser), MA, PhD (Sussex), Visiting Scholar

Marge Reitsma-Street, BSW (McGill), PhD (Toronto), Adjunct Associate Professor

Emeritus

Andrew Armitage, BSc (London), BA (Canterbury), BSW (British Columbia), PhD (Bristol), Professor Emeritus

Marilyn J. Callahan, BA, BSW, MSW (British Columbia), PhD (Bristol), Professor Emeritus

John Cosson, BA (Western Ontario), BSW, MSW (Toronto), Associate Professor Emeritus
SOCIAL WORK PROGRAMS

Bachelor of Social Work

The School of Social Work offers a program of studies leading to the degree of Bachelor of Social Work (BSW) that is fully accredited by the Canadian Association of Schools of Social Work. Graduates are employed in a wide range of government and voluntary organizations such as family and children's services, hospitals, women's services, corrections and First Nations social services.

The range of approaches available to obtain a University of Victoria BSW degree includes campus-based courses, distance learning and decentralized face-to-face education. Where feasible, students may complete a field placement in the geographic area of their choice.

All students admitted to the BSW program or taking social work courses must have computer access for the duration of their program of study in order to participate in WebCT online courses and for program administration purposes. Students require a UVic Netlink ID with a UVic e-mail address. To participate in Web-mediated courses, students must meet minimum standards for Internet connectivity and Web browser capacity.
that one admission process and set of standards applies to the BSW program.

**School Admission Requirements**

Application packages are available at the School at the beginning of December each year. The deadline for return of all application materials is January 31 for both the May and September entry points.

Admission to the BSW program requires:

1. Completion of a minimum of the first two years (30 units) of an undergraduate program at UVic, with an overall average of at least 3.5 (on the UVic 9.0 point scale) or better, or the equivalent at another university or community college on the last 12 units of university-transfer course work.

2. Within the required 30 units, completion of SOCW 200A and 200B or their equivalents.

Students are also required to meet UVic's English Requirement for Undergraduates (see page 29).

The number of applicants admitted will depend on the resources available to the School and the number of qualified applicants. An initial screening for admission will be based on grades, an Experience Summary and a Personal Statement. Applicants selected through this initial screening process may be interviewed as a final selection process.

As an alternative to on-campus studies, admitted students can complete their BSW program through distance education (available across Canada). However, SOCW 323 (formerly SOCW 300) includes a mandatory 70-hour face-to-face component.

**Transfer Credit for Social Service Certificate or Diploma Students**

Students who have completed a social services certificate or diploma program at a college may be eligible to receive discretionary credit from the School. This is normally 3 units for a completed certificate, and 6 units for a completed diploma. University transfer courses will be calculated separately.

For information about Prior Learning Assessment transfer credit from post-secondary institutions, contact the Admissions Co-ordinator of the School of Social Work.

**School Academic Regulations**

### Academic Performance

Students in the School of Social Work must maintain a sessional GPA of 3.5 in both third and fourth years; otherwise, they may be required to withdraw from the School.

### Availability of Courses to Students Outside the School

Some third- and fourth-year distance-education courses may be taken by students not admitted to the School, with the permission of the Director, if space permits. Students are required to make a written request to the Director to be considered for such courses. Students may be permitted to take up to 3 units of Social Work courses. Prerequisites are third-year standing and completion of SOCW 200A and 200B.

### Practica

Students are referred to page 114 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. SOCW 323 (formerly SOCW 300) is a pre- or co-requisite for students intending to apply for PLA. Initial inquiries about eligibility for PLA should be directed to the Field 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. 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 38. Students should note in particular the Undergraduate English Requirement, page 29.

Usually, BSW degree students should have a minimum of 24 units of liberal arts/social sciences/humanities courses to fulfill program requirements.

Students in the specializations, including those with a baccalaureate degree, will complete a 30-unit program, with the exception of those with a baccalaureate degree in a human service profession (see Post-Degree Students, below).

### Post-degree Students

Students admitted to the School with a baccalaureate degree in a human service profession which includes a practicum component may be granted credit in up to 6 units of senior-level Social Work at the discretion of the Director of the School and the Dean of the Faculty. In these cases, 3 units of general electives will normally be required.

Students admitted to the BSW program with a baccalaureate degree and that meet UVic's Undergraduate English Requirement, will be granted exemption for up to 3 units of general electives in the third and fourth years.

### Practicum Requirement

Students should be aware that two practicum courses are required in order to complete the course of study for a BSW.

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**2006-07 UVic Calendar**

### 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. Pre-or corequisite for all Social Work courses: SOCW 323 (formerly SOCW 300). Exceptions: SOCW 350A, 350B, 471, 472 and HSD courses.

### Third and Fourth Years – Standard BSW

#### Third Year

<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCW 318*</td>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td>SOCW 323 (formerly SOCW 300)</td>
<td></td>
<td>4.5</td>
</tr>
<tr>
<td>SOCW 340A, 341A, 342A</td>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td>SOCW 350A</td>
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<td>1.5</td>
</tr>
<tr>
<td>SOCW 354</td>
<td></td>
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</tr>
<tr>
<td>Elective</td>
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</tr>
<tr>
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#### Fourth Year

<table>
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</thead>
<tbody>
<tr>
<td>SOCW 401, 402</td>
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<tr>
<td>SOCW 451**</td>
<td></td>
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</tr>
<tr>
<td>Elective</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total units:</strong></td>
<td></td>
<td><strong>15.0</strong></td>
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<tr>
<td><strong>Total units for third and fourth years:</strong></td>
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<td><strong>30.0</strong></td>
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<tr>
<td><strong>Total units for the program:</strong></td>
<td></td>
<td><strong>60.0</strong></td>
</tr>
</tbody>
</table>

* SOCW 318 is expected to be offered starting September 2006. If not offered, students may take SOCW 301 (1.5 units) and must also complete an additional 1.5 unit Social Work/HSD elective for this 2006/07 academic year only.

1. General elective (unless special permission is received from the Director or designee to omit this elective).

2. Third and fourth year Social Work and/or HSD electives.
### Third and Fourth Years: First Nations Social Work Specialization

One practicum (either SOCW 304 or 402) must focus on First Nations social work.

#### Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>SOCW 323 (formerly SOCW 300)</td>
<td>4.5</td>
</tr>
<tr>
<td>SOCW 318*</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCW 304 or 304A</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCW 350A</td>
<td>1.5</td>
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<tr>
<td>SOCW 350B</td>
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<tr>
<td>SOCW 354</td>
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<td><strong>Total units:</strong></td>
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#### Fourth Year

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<tbody>
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<tr>
<td>SOCW 491</td>
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<tr>
<td>SOCW 492</td>
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</tr>
<tr>
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<tr>
<td>Electives&lt;sup&gt;2&lt;/sup&gt;</td>
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<tr>
<td><strong>Total units:</strong></td>
<td><strong>15.0</strong></td>
</tr>
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</table>

**Total units for third and fourth years:** **30.0**

**Total units for the program:** **60.0**

* SOCW 318 is expected to be offered starting September 2006. If not offered, students may take SOCW 301 (1.5 units) and must also complete an additional 1.5 unit Social Work/HSD elective for this 2006/07 academic year only.

1. General elective (unless special permission is received from the Director or designate to omit this elective).

2. Third- or fourth-year Social Work or HSD elective.

### Third and Fourth Years: Child Welfare Social Work Specialization

The fourth-year practicum will take place in an approved child welfare setting (BC Ministry of Children and Family Development, First Nations 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCW 323 (formerly SOCW 300)</td>
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<tr>
<td>SOCW 318*</td>
<td>3.0</td>
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<tr>
<td>SOCW 304 or 304A</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCW 350A</td>
<td>1.5</td>
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<tr>
<td>SOCW 350B</td>
<td>1.5</td>
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<tr>
<td>SOCW 354</td>
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<tr>
<td>SOCW 391</td>
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<tr>
<td><strong>Total units:</strong></td>
<td><strong>16.5</strong></td>
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#### Fourth Year

<table>
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<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>SOCW 350B</td>
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</tr>
<tr>
<td>SOCW 404 or 404A</td>
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<tr>
<td>SOCW 451</td>
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<tr>
<td>SOCW 492</td>
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</tr>
<tr>
<td>Electives&lt;sup&gt;1&lt;/sup&gt;</td>
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</tr>
<tr>
<td>Electives&lt;sup&gt;2&lt;/sup&gt;</td>
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<tr>
<td><strong>Total units:</strong></td>
<td><strong>13.5</strong></td>
</tr>
</tbody>
</table>

**Total units for third and fourth years:** **30.0**

**Total units for the program:** **60.0**

* SOCW 318 is expected to be offered starting September 2006. If not offered, students may take SOCW 301 (1.5 units) and must also complete an additional 1.5 unit Social Work or HSD elective for this 2006/07 academic year only.

1. General elective (unless special permission is received from the Director or designate to omit a course or courses from this group).

2. Third- or fourth-year Social Work or HSD elective.
The Faculty of Humanities comprises the Departments of English, French, Germanic and Russian Studies, Greek and Roman Studies, Hispanic and Italian Studies, History, Linguistics, Medieval Studies, Pacific and Asian Studies, Philosophy and Women’s Studies. The many disciplines in the Humanities foster knowledge of history, philosophy, language, literature, culture, society and the arts, often in international contexts. By developing students’ skills in critical enquiry, research and communication, programs in the Humanities provide excellent preparation for many careers as well as advanced academic study.
General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Humanities offers programs of varying levels of specialization leading to the degree of Bachelor of Arts (BA).

The Faculty also offers programs leading to the degree of Bachelor of Science (BSc) through the Department of Linguistics.

- The Honours Program involves a high level of specialization in one discipline, and requires from 18 to 24 units of credit in that discipline at the 300 or 400 level.
- The Major Program requires 15 units at the 300 or 400 level.
- The General Program requires 9 units of 300 or 400 level credits in each of two disciplines.

The Faculty also offers Double Honours, the Joint Honours and Major program, and the Double Major program.

A student may also combine a program offered in the Faculty of Humanities with a program offered in another faculty. See Interfaculty Program, page 134.

ACADEMIC ADVICE AND PROGRAM PLANNING

Advice about the Faculty of Humanities is available through the Academic Advising Centre, A205, University Centre.

In addition, each department has one or more advisers who can provide information about courses and programs in that department.

Students who require advice during the summer months should contact the department concerned for an appointment with an adviser.

Students who may eventually go on to graduate studies should consult faculty members in their department before deciding whether to pursue an Honours or Major program.

Students who plan to enter the Faculty of Education from the Faculty of Humanities should seek advice from the Education Advising Centre.

AVAILABILITY OF COURSES TO STUDENTS IN OTHER FACULTIES

Students in other faculties may register in any section of any course offered in the Faculty of Humanities, so long as prerequisites have been met. Individual departments may limit enrollment in required courses to those taking Honours or Major Programs, or to students who require them to complete their programs.

LIMITATION OF ENROLLMENT

Admission to UVic and the Faculty of Humanities is not a guarantee of placement in particular programs or courses. Departments may limit enrollment for a variety of reasons, and admission requirements may be raised.

Academic Regulations

ADMISSION TO THE FACULTY

The requirements for admission to the Faculty of Humanities are presented on page 22.

CREDIT FOR COURSES OFFERED BY OTHER FACULTIES OR INSTITUTIONS

Courses Offered by Other UVic Faculties

All courses in other faculties are acceptable for elective credit in the Faculty of Humanities, if the regulations of the department offering the courses permit and prerequisites are met.

Substitution of Elective Credit for Required Courses

With the consent of the department offering the student's degree and with the permission of the Assistant Dean, students may substitute up to 3 units of 300 or 400 level elective credit for required courses at the 300 or 400 level in Faculty of Humanities degree program.

Students should review individual department entries for information on the use or substitution of elective credit.

Courses in Other Institutions

A student who has been admitted to the Faculty may not take courses at another institution for credit towards a degree program offered in the Faculty without the prior written approval, in the form of a Letter of Permission, of the Assistant Dean. To be eligible for a Letter of Permission, a student must have completed or be registered in no fewer than 6.0 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit indicated on a Letter of Permission for courses to be taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 31).

Students are responsible for ensuring that the transcripts for all course work undertaken at other institutions are sent to Undergraduate Records at UVic.

Candidates for a bachelor's degree must normally complete at UVic a minimum of 30 units at the 100 level or above, including at least 18 of the minimum 21 upper-level units required.

Faculty of Humanities Programs

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<tr>
<th>Departmental Programs</th>
<th>BA Honours</th>
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<th>BA Honours</th>
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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.
for all degree programs. Students may take at another institution:
• no more than 6 of the 18 to 24 upper-level units required for the Honours Program
• no more than 3 of the 15 upper-level units required for the Major Program
• no more than 3 of the 9 upper-level units required in each area of the General program
• no more than 3 of the 9 upper-level units required for a Minor

**Graduation Standing**
The University’s regulations regarding graduation standing are given on page 37. Honours students should note that eligibility for standing “With Distinction” is based not only on achieving a graduating GPA of at least 6.5, but also on satisfying any additional Honours requirements specified by the department concerned.

Students who have a graduating GPA of at least 6.5 but who do not meet the department’s requirements for standing “With Distinction” have the option of changing their programs in order to graduate from a Major Program “With Distinction.” Such program changes must be made in writing at the Academic Advising Centre.

The eligibility for standing “With Distinction” of a student who graduates in a Double Honours Program or in a Joint Honours and Major Program will be determined for each of the two programs separately; a student may graduate “With Distinction” in one program and not in the other.

**Limit on the Number of Degrees Awarded**
A student proceeding towards a BA or BSc degree in a Double Honours, Joint Honours and Major, Double Major, Combined Major, Interfaculty or General Program may receive no more than one degree upon completion of any of these programs. Students seeking a second bachelor’s degree should refer to Second Bachelor's Degree, page 39.

**Declaring a Program**
All students continuing in the Faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate.

Note: Students should be aware that limitations may apply to proposed combinations of the following: concurrent degree programs, degree/diploma combinations and degree/minor options.

**Guidelines for Ethical Conduct**
The Faculty of Humanities expects students to adhere to a code of ethical conduct. The Faculty supports models of ethical conduct based on the following guidelines:
• exercise of personal discipline, accountability and judgement
• acceptance of personal responsibility for continued competency and learning
• the duty to recognize the dignity and worth of all persons in any level of society
• the duty to recognize one’s own limitations
• maintenance of confidentiality of information appropriate to the purposes and trust given when that information was acquired

**Regulations Concerning Practica**

**General**
The Faculty reserves the right to approve any institution that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

**Attendance**
Attendance at practicum activities is required. Students are expected to notify the host institution whenever practicum appointments cannot be kept, and also to inform the course instructor.

**Denial and Withdrawal**

**Practicum Denial**
Teachers or administrators who refuse a student’s continued participation in a practicum for misconduct or repeated absences, or where the educational progress of the institution’s students is in jeopardy, must immediately discuss the matter with the Chair of the department. The Chair will then either inform the student of the conditions under which he or she may resume participation in the practicum or require the student to withdraw from the practicum and inform the student in writing of the reasons. Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by their instructors and by the Chair of the department in the Faculty of Humanities.

**Temporary Withdrawal of Students Pending Report**
The Chair may require a student to withdraw temporarily from a practicum if, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in the practicum has adversely affected or may adversely affect:
• students or clients, or
• personnel, including students associated with the practicum

The student will be required to withdraw temporarily pending the receipt of a report on the conduct and lack of competence of the student.

**Required Withdrawal**
After giving the student an opportunity to be heard, the Chair may require a student to withdraw from the practicum if the Chair is satisfied that the student’s conduct or lack of competence may adversely affect members of any of the groups identified in the paragraph above.

**Voluntary Withdrawal**
Students seeking voluntary withdrawal from a practicum, whether permanent or temporary, must receive permission to do so from their faculty supervisor in the Department.

**Notification of Records Services**
Students who withdraw temporarily from a practicum must notify Records Services in writing. Students who are required to withdraw from a practicum will be withdrawn from any course involved by written notification from the Chair to Records Services.

**Appeals**
The normal avenues of final appeal (see page 39) are available to students who have been required to withdraw from a practicum, at every stage of the process. Students in the Faculty of Humanities may follow regular appeal procedures within the Faculty.

**Faculty Program Requirements**

**Requirements Common to All Bachelor's Degrees**
Each candidate for a bachelor's degree is required to include, in the first 30 units presented for the degree:
1. a maximum of 15 units in one of the following areas of study:
   - Applied Linguistics
   - Canadian Studies
   - Chinese Studies
   - English
   - French
   - Germanic Studies
   - Greek and Latin Language and Literature
   - Greek and Roman Studies
   - Hispanic Studies
   - Hispanic Studies (Latin American Studies)
   - History
   - Indigenous Studies
   - Italian Studies
   - Japanese Studies
   - Linguistics
   - Mathematics1
   - Medieval Studies
   - Mediterranean Studies
   - Pacific Studies
   - Philosophy
   - Religious Studies
   - Russian
   - Southeast Asian Studies
   - Statistics1
   - Women's Studies

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1. offered only in the Faculty of Humanities.
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, more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs

- Applied Linguistics
- English
- French
- Germanic Studies
- Greek and Latin Language and Literature
- Greek and Roman Studies
- Hispanic Studies
- Hispanic Studies (Latin American Studies)
- History
- Linguistics (BA and BSc)
- Mathematics
- Pacific Studies
- Philosophy
- Statistics
- Women's Studies

Combined Honours Programs

- Combined English Honours and Medieval Studies Minor
- Double Honours Program
  With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Humanities. The degree received will be a BA, unless one of the two programs followed leads to a BSc in Linguistics, in which case the student will have the option of receiving a BA or a BSc degree, depending on which of the two programs is listed first.
- Interfaculty Double Honours Program
  If a student elects to complete an Honours Program in the Faculty of Humanities and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Record of Degree form (PADRE). If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program

A student may elect to complete an Honours Program in one area of study together with a Major Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Record of Degree form (PADRE). The degree received will be a BA, unless the Honours Program followed leads to a BSc in Linguistics, in which case the degree will be a BSc.

Interfaculty Joint Honours and Major Program

A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student's Record of Degree form (PADRE), and students will be subject to the regulations of the faculty in which they are registered.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.
Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

In a Joint Honours and Major Program, the Honours Program will be listed first on the student’s Record of Degree form (PADRE), and students will be subject to the regulations of the faculty in which they are registered. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

BA or BSc Major in Environmental Studies

A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.

BA in Mathematics or Statistics

Students who wish to obtain a BA in Mathematics or Statistics should register in either the Faculty of Humanities or the Faculty of Social Sciences, and complete the requirements common to all bachelor’s degrees in that faculty.

GENERAL PROGRAM

The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.

Requirements of the General Program

A student in a General Program must satisfy the requirements common to all bachelor’s degrees in the designated faculty determined by the first subject area listed on the Record of Degree Program form (PADRE).

The General Program requires:

- Completion of 9 units of course work at the 300 and 400 level in each of the two disciplines, as specified in the General Program requirements of the departments concerned
- At least 6 of the 9 units in each discipline must be completed at UVic
- A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in another faculty. The degree awarded will be a BA.

Chinese Studies
English
French
Germanic Studies
Greek and Roman Studies
Hispanic Studies
History
Italian Studies
Japanese Studies
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 211)
Film Studies (see page 211)
Indigenous Studies (see page 212)
Music (see page 103)
Professional Writing in Journalism and Publishing (see page 110)

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 213)
European Studies (see page 212)
Religious Studies (see page 212)
Indigenous Studies (see page 212)

Student-Designed Minor

Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:

- include courses from at least two departments, with a minimum of 3 units from each department
- consist of courses taken only at UVic
- have structure, coherence and theme; it cannot consist of unrelated courses
- be approved by the Chair/Adviser of the departments concerned
- be approved by the Assistant Dean of Humanities, Science and Social Sciences

2006-07 UVIC CALENDAR

- be declared by the end of the student’s third year
- Students must discuss their proposed Student-Designed Minor with Department Chairs/Advisers before submitting their request to the Assistant Dean. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

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 an Honours or Major BA, BFA, BSc, BMus, MA, MFA or PhD degree in the Faculty of Fine Arts or the Faculty of Humanities or registered in the Cultural Resource Management Program, the Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing will be admitted to the Humanities, Fine Arts and Professional Writing Co-operative Education Program. Prior to seeking their first co-op work term, students must:

1. be registered in a full course load (at least 6 units of course work per term)
2. have achieved at least a 5.0 GPA in a full course load in the previous term
3. complete satisfactorily the Work Term Preparation Seminars
4. submit an acceptable résumé and cover letter stating their co-op goals

To continue in the program, a student must:

1. be enrolled full time in a program leading to an Honours or Major BA, BFA, 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 Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing
2. maintain a GPA of at least 5.5 in the courses in the degree area
3. maintain a GPA of at least 5.0 overall

To receive the Co-op 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
Enrollment 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., GR 100, 200)
• History (e.g., HIST 130, 220)
• History in Art (e.g., HA 120, 221)
• Linguistics
• Music (e.g., MUS 120A, 120B)
• Philosophy (e.g., PHIL 100, 238)
• Political Science
• Psychology
• Sociology
• Theatre (e.g., THEA 100)
• Writing

Directed Reading Courses
ENGL 490 and 491 (Directed Reading) are tutorials intended primarily for students in the Honours Program, and must be approved by the Director of Honours and the Chair of the Department.

Variable Content Courses
The English Department offers a 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 310; plus some electives (e.g., Greek and Roman Studies, History, Philosophy) and/or upper-level English courses, with reference to the course structure below. Please note that ENGL 200A and 200B are not open to students with credit in ENGL 150, 151 or 200B; such students may take ENGL 200C, 201, 202, 203, 207 or 208, or, with the permission of the Department, substitute 3 units of upper-level English courses for ENGL 200A and 200B.

Students may take ENGL 310 in their third year, but this option tends to limit their choice of electives in third and fourth years. For the same reason, it is to a student’s advantage to begin work on the second language requirement by the beginning of the second year.

Third and Fourth Years
For admission to Third Year, Honours students are required to maintain an average of at least B+ in their English courses. The approval of the Department is also required. Honours students must present at least 24 units of English courses numbered 300 and above, to be distributed according to the following course structure:

• ENGL 310 (Practical Criticism, 3.0 units) (if not already completed)
• ENGL 467 and 468 (Honours courses, 1.5 units each)
• ENGL 499 (Fourth-year Honours course, 1.5 units)
• ENGL 351 (The Canterbury Tales, 1.5 units)
• 1.5 or 3 units from ENGL 360, 366B and C, 366D and E
• at least 1.5 additional units from the period before 1600: ENGL 340, 341, 346, 347, 352, 353, 354, 357, 359, 360, 362, 364, 365, 366B, 366C, 366D, 366E, 369, 410, 473
• at least 1.5 units from the period 1660-1800: ENGL 372, 373, 374, 375, 376A, 376B
• at least 1.5 units of American or British literature from the period from 1800-1900: ENGL 379, 380, 381, 382, 383, 385, 386, 387, 427, 428A, 428B, 474
• at least 1.5 units of 20th Century American, British or Postcolonial literature: ENGL 388, 425, 426, 429A, 429B, 429C, 431, 432A, 432B, 433, 434, 435, 436A, 436B, 437A, 437B, 438, 439A, 439B (Students with 201 or 203 may apply for waiver of this requirement.)
• at least 1.5 units of Canadian literature: ENGL 448, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459 (Students with 202 may apply for waiver of this requirement.)
• electives to make up 24 units of senior English courses

At the end of the fourth year, there will be an interview at which students will defend their project undertaken for ENGL 499.

Note: Students are strongly encouraged to take at least one of the following courses: ENGL 340, 341, 409, 410, 440, 460, GR 200, LING 390. LING 390 may be counted towards the 24 units of senior English courses required for an Honours degree.

Combined English Honours and Medieval Studies Minor
Students in the Medieval Studies Program who are also enrolled in the English Honours Program may earn a Combined English Honours and Medieval Studies Minor degree. To do so they must complete:
• MEDI 301
• MEDI 302
• MEDI 401 or 451 or 452
• 1.5 units selected from the courses (apart from English courses) in the list of eligible courses for the Medieval Studies Program (see page 147).
• at least 1.5 additional units from the period before 1600: ENGL 340, 341, 346, 347, 352, 353, 354, 357, 359, 360, 362, 364, 365, 366B, 366C, 366D, 366E, 369, 410, 473
• 1.5 units of electives from the following list: ENGL 340, 341, 346, 347, 352, 353, 354, 357

2006-07 UVIC CALENDAR
Major Program
The Department strongly recommends that students majoring in English have a reading knowledge of a second language or take courses in literature in translation of another culture.

Students who have credit for English courses no longer included in the Calendar should see the Director of Literature for advice in following the course structure.

First Year
English majors are required to take 3 units from ENGL 115, 125, 135, 145.

Second Year
English majors require at least 3 units from the following courses:
ENGL 200A ENGL 200B ENGL 200C
ENGL 201 ENGL 202 ENGL 203
ENGL 207 ENGL 208 ENGL 209
The Department suggests 4.5 units from this list for breadth of coverage.

Students planning a Major in English are strongly advised to take at least two of ENGL 200A, B and C; these courses are not open to students with credit in ENGL 150, 151 or 200.

Third and Fourth Years
Majors are required to take a total of 15 units in English at the senior level:
1. 7.5 units chosen from the following Course Structure
2. 7.5 units of courses numbered 300 and above Normally at least 12 of these 15 units should be completed at the University of Victoria.

Course Structure for English Major Program

Combined Major in English and French (Canadian Literature)
The Combined Major in English and French (Canadian Literature) is not a Double Major in English and French, 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, page 139
• French Departmental Literature Requirement, page 139; 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
FREN 302A and 302B* or FREN 302 ....................... 3.0
3 units of French courses numbered 350 to 477 ...................................... 3.0

Courses selected as specified under English Major Course Structure 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, 454, 455, 456, 457, 459; FREN 389B, 480, 482, 484, 485, 488D, 488H) .................................. 10.5
Electives................................................................. 4.5

Students with a DEC from a Francophone CEGEP, a baccalauréat from France, or equivalent may substitute 3 units of courses numbered 390 and above for FREN 302A and 302B.

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
• permission of the Director of Professional Writing

Minor in 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 135.

Courses in Professional Writing
Students must complete 9 units of courses numbered 300 and above from those listed below for a Minor in Professional Writing.

ENGL 301 Report Writing
ENGL 302 Writing for Government
ENGL 303 Copy Editing for Professional Writers
ENGL 401 Web Design
ENGL 406 Special Topics in Professional Writing
ENGL 407 Computer-mediated Communication
ENGL 408 Web-based Documentation
ENGL 412 Computer-assisted Research and Reporting
ENGL 492 Directed Reading: Advanced Topics in Professional Writing
### Department of French

Yvonne Hsieh, BA (BritCol), MA, PhD (Stan), Professor
Marc Laprand, BA, MA (Besançon), PhD (Tor), Professor
Danielle Thaler, BA (Montréal), MA, PhD (Tori), Associate Professor
John C.E. Greene, BA, MA (Alta), D de l’Univ (Gren), Associate Professor
Sada Niang, MA (Tori), PhD (York), Associate Professor and Graduate Adviser
Marie Vautier, BA (Ott), MA (Laval), PhD (Tori), Associate Professor
Catherine Caws, BA, MA (Nantes), PhD (BritCol), Assistant Professor
Hélène Cazes, ENS (Paris), MA-DEA (Paris, Sorb), PhD (Paris X), Post-Doc (Mont), Assistant Professor
Emmanuel Hérique, MA, D de l’Ile cycle (Nancy), Assistant Professor
Mary Ellen Ross, BA (Dal), MA (Paris, Sorb), PhD (Tori), Assistant Professor
Lucie Daigle, BA (Laval), MA (UVic), Senior Instructor

### FRENCH PROGRAMS

The Department of French offers Honours, Major and General programs leading to the degree of Bachelor of Arts. The Department also offers a Combined Major in English and French (Canadian Literature).

Students interested in pursuing a program in French should consult with a Departmental adviser as early as possible (see the Department’s website).

Students planning to take senior language courses are strongly advised to take FREN 220 in their second year.

**Co-operative Education Programs**

Please, see page 135.

### Academic Regulations

**Entry Levels**

Students are urged to consult the Department website for information about placement, and to contact the Department for further information and testing, if necessary.

**Course Challenge**

The Department does not offer course challenges.

**Francophone Students**

A Francophone is defined for the purposes of these regulations as a person who has spoken French since childhood and who has received sufficient secondary instruction in French to be literate in French.

Francophone students may not obtain credit for FREN 100, 102, 103, 105, 106, 107, 150, 155, 156, 161, 175, 185, 195, 300 or 350. They should consult the Department about placement.

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### 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

#### Departmental Language Requirement

Access to 302A and higher courses offered in French is restricted to students who have one of the following qualifications, or the equivalent:
- A or higher in 190
- C or higher in 292
- An average of B- or higher, including a B or higher in 295
- Four courses numbered from 202A to 295 with an average of B- or higher, including a B or higher in 295
- Five courses numbered from 202A to 295 with an average of B- or higher, including a B or higher in 295
- A DEC from a Francophone CEGEP
- A French baccalauréat
- A-F in 190
- Average of B- or higher, including a B or higher
- Average of B- or higher
- An average of B- or higher
- Four courses numbered from 202A to 295 with an average of B- or higher
- Five courses numbered from 202A to 295 with an average of B- or higher, including a B or higher in 295
- A DEC from a Francophone CEGEP
- A French baccalauréat
- A-F in 190
- Average of B- or higher, including a B or higher
- Average of B- or higher

### 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

Departmental Language Requirement (see above) and Departmental Literature Requirement (see above; may be completed during third year)

#### Third and Fourth Years

FREN 302A and 302B or FREN 302
FREN 390
FREN 402
FREN 499

13.5 additional units at the 400 level, including at least one course from each of the following groups:
- FREN 420, 425A, 425B, 426
- FREN 440, 446A, 448
- FREN 446B, 450A, 450B, 451, 452, 455B
- FREN 446B, 446D, 446E, 460A, 460B, 462A, 462B, 462C, 466, 470, 477
- FREN 480, 482, 484, 485

*Students with a DEC from a Francophone CEGEP a baccalauréat from France, or equivalent may substitute 3 units of courses numbered 390 and above for FREN 302A and 302B.

Admission to the Third-year Honours program requires the approval of the Chair of the Department. The programs of Honours students are subject to the approval of the Honours Adviser. Admission to the Fourth-year Honours Tutorial (FREN 499) requires a grade of B or better in FREN 390.
Department of Germanic and Russian Studies

Peter Götz, BA (Mannheim), MA (Wat), PhD (Queen's), Associate Professor and Chair of the Department

Angelika F. Arend, Staatsexamen (Kö), MA (Can), D Phil (Oxon), Professor

Peter G. Liddell, MA (Edin), PhD (Brit Col), Professor

Nicholas V. Galichenko, BA, MA (Brit Col), PhD (McG), Associate Professor

Serhy Yekelchyk, BA (Kiev U), MA (Ukrainian Academy of Sciences), PhD (Alberta), Associate Professor

Elena Pnevmonidou, BA (McG), MA (Queen's), PhD (McG), Assistant Professor

Megan Swift, BA (McG), MA (U of Toronto), PhD (U of Toronto), Assistant Professor

Matthew Pollard, BA (Queen's), MA (Queen's), PhD (McG), Senior Instructor

 GERMANIC STUDIES PROGRAMS

The Department offers a program that leads to a Bachelor of Arts in Germanic Studies.

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 Russian Studies does not permit students to gain credit by course challenge. Students with prior knowledge of German may, however, apply to the Chair of the Department for a waiver of lower-level program requirements.

Co-operative Education Programs

Please, see page 135.

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 study.

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 German Studies should consult the Department at an early stage in their undergraduate studies. The Honours Program requires a minimum of 21 units of upper-level courses, including GER 300 and GER 499. An Honours degree "With Distinction" requires a graduating GPA of at least 6.5 and at least a B+ in GER 499. An Honours degree requires a graduating GPA of 3.5 to 6.49 and at least a B- in 499.

Major Program

To be admitted into a Major Program, a student must have at least a C+ average in a minimum of 7.5 units of introductory courses (including at least one of GERS 254 and GERS 261 with a minimum C+).

The Major Program consists of 15 units of upper-level courses, including GER 300. Students interested in pursuing a Major in German Studies are advised to consult the Department very early during their undergraduate studies, possibly in their first year of studies. Majors must have their third- and fourth-year programs approved by the Department.

General and Minor Programs

Students wishing to take Germanic Studies in one of these programs must take 7.5 units of introductory courses (including at least one of GERS 254 and GERS 261) and 9 units of upper-level courses, including GER 300.

Course Index

Courses in German language

GER 100A (1.5) Beginners’ German I

GER 100B (1.5) Beginners’ German II

GER 149 (6.0) Intensive German

GER 200 (1.5) Intermediate German

GER 252 (1.5) Conversational German

GER 300 (1.5) Advanced Grammar and Stylistics: I

GER 352 (1.5) Advanced Oral German: I

GER 390 (1.5) German Reading Course

GER 400 (1.5) Advanced Grammar and Stylistics: II

GER 452 (1.5) Advanced Oral German: II

GER 453 (1.5) Advanced Translation

GER 471 (1.5) The Evolution of Early German

GER 472 (1.5) The Evolution of Modern German

GER 499 (1.5) Honours Graduating Essay

Courses open to all students: No knowledge of German required

The following courses are open to all students. The timetable for courses marked * will be two hours of class time in English and a one hour seminar in either English or German, at the option of the student.

GERS 160 (1.5) Major Figures of German Culture

GERS 254 (1.5) Introduction to German Literature

GERS 261 (1.5) Modern Germany

GERS 305* (1.5) Novella and Short Story

GERS 306 (1.5) German Drama

GERS 308* (1.5) Poetry

GERS 310 (1.5) German Literature in English Translation

GERS 354* (1.5) Introduction to Twentieth Century Literature: 1900-1965

GERS 356 (1.5) A Short History of German Film

GERS 370* (1.5) Portraits of Women in German Literature from Medieval to Postmodern Time
RUSSIAN STUDIES PROGRAMS
The Department of Germanic and Russian Studies offers a full complement of courses in Russian Studies leading to the Bachelor of Arts degree in the General or Major Programs.

All students planning a program in the Department of Germanic and Russian Studies should consult the Departmental Adviser concerning their selection of courses both within and outside the Department. Students specializing in particular programs will find that they have sufficient electives to enable them to concentrate (Double Major) in a second field. A wise selection of courses is therefore important, particularly to those students who may wish to enter graduate school, teaching, library work or government service.

PROGRAM REQUIREMENTS
Students planning to take either a General or Major BA in Russian must have a satisfactory standing in courses at the 200 level. Students with advanced credit, or those competent in Russian, will be placed at an appropriate level. Students wishing to select Russian as a teaching area in the Faculty of Education's Secondary Programs should refer to page 67.

Programs in Russian
Major
To be admitted to a Major program, a student must have at least a C+ average in a minimum of 7.5 units of introductory courses. In the third and fourth years, the Major program consists of a minimum of 15 units at the 300 and 400 levels and must include RUSS 300A, RUSS 308A and RUSS 308B. Students interested in pursuing a Major in Russian Studies are advised to consult the Department very early during their undergraduate studies, possibly in their first year of studies. Majors must have their third- and fourth-year programs approved by the Department.

General and Minor Programs
Students wishing to take Russian Studies in one of these programs must take 7.5 units of introductory courses and 9 units at the 300 or 400 level, including at least one of 300A and 300B.

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 Introductory Russian I
RUSS 200B Intermediate Russian I
RUSS 203 Oral and Written Practice
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
RUSS 331 Nations and Cultures of the Former Soviet Union (in English)
RUSS 360 Russian Comedy on Stage and Screen
RUSS 400A Advanced Grammar and Stylistics I
RUSS 400B Advanced Grammar and Stylistics II
RUSS 403 Advanced Russian Conversation and Practice II
RUSS 434 Special Topics
RUSS 460 Forbidden Books, Forbidden Film
SLAV 334 Topics in Cultural Development (in English)
SLAV 341 Seminar in a Slavic Language
SLAV 374 Imperial Russia, 1689-1917 (in English)
SLAV 376 The Soviet Union and its Successor States, 1917-2000
SLAV 377 Modern Ukraine
SLAV 390 Directed Studies in a Slavic Language
Department of Hispanic and Italian Studies

Pablo Restrepo-Gautier, BA, MA, PhD (Brit Coll),
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 Coll), MA, PhD (Johns H), Associate Professor
Elena Rossi, BA (Vassar), MA, PhD, (Tor),
Associate Professor
Dan Russek, BA, MA (UNAM), PhD (Chicago),
Assistant Professor
Silvia Colás Cardona, BA (Autónoma de Barcelona),
MA (Calg), Senior Instructor
Daniela Lorenzi, BA (UVic), MA (UVic), Senior
Instructor
Rosa L. Stewart, BA (Ohio Wesleyan), MA (Mich),
Senior Instructor

Hispanic and Italian Studies Programs

The Department of Hispanic and Italian Studies offers General, Major and Honours programs in Hispanic Studies, General, Major and Honours programs in Latin American Studies (Language and Literature Concentration or Multidisciplinary Concentration), and General and Major programs in Italian Studies and in Mediterranean Studies (Spain Concentration or Italy Concentration).

The Department now offers a graduate program. The program offers two streams leading to a Master’s degree: Hispanic Studies, and Hispanic and Italian Studies. For more information, please contact the Department.

Native Speakers

For all programs, native speakers may not obtain credit for 100 or 200 level courses. A native speaker is defined in this context as a person who has spoken Spanish or Italian since childhood and/or has received sufficient instruction in the language to be literate in it. The Department will assign students with previous knowledge to the appropriate level.

Co-operative Education Programs

Please, see page 135.

Hispanic Studies Programs

The Department of Hispanic and Italian Studies offers General (Minor), Major, and Honours Programs in Hispanic Studies. Students pursuing a Major or Honours in Hispanic Studies will find that they have sufficient electives to enable them to concentrate in a second field (for example, Italian or another language, Greek and Roman Studies, English, History or Linguistics).

Prerequisites

Students wishing to take 300- and 400-level courses in Spanish must achieve an average grade of B- or higher in SPAN 250A, 250B and 260 (these courses should be taken in second year) and the pre- or corequisite of SPAN 350A (this course should be taken in the third year), or have permission of the Department. Students continuing to 400-level literature courses must have as a pre- or corequisite one of SPAN 370, 375, 380, 385. Students pursuing a General Program in Hispanic Studies must take at least two of these four courses. Students pursuing a Major or Honours Program must take at least three of these four courses, but all four are recommended. Exceptions may be made under certain circumstances, after consultation with the Department.

Hispanic Courses in English

Hispanic Studies courses conducted in English may be credited to a General, Major or Honours Degree in Hispanic Studies to a limit of 3 units, provided all course work is written in Spanish.

Program Requirements

Students are advised to consult with the Department in the selection of their courses.

General (Minor)

First Year

- SPAN 100A and 100B

Second Year

- SPAN 250A and 250B
- SPAN 260

Third and Fourth Years

- SPAN 350A and 350B
- 3.0 units from SPAN 370, 375, 380, 385
- 3.0 additional units of 300- or 400-level Hispanic courses

Major

First Year

- SPAN 100A and 100B

Second Year

- SPAN 250A and 250B
- SPAN 260

Third and Fourth Years

- SPAN 350A and 350B
- SPAN 450A
- At least 4.5 units from SPAN 370, 375, 380, 385
- 6.0 additional units of 300- or 400-level Hispanic courses

Honours Program*

First Year

- SPAN 100A and 100B

Second Year

- SPAN 250A and 250B
- SPAN 260

Third and Fourth Years

- SPAN 350A and 350B
- SPAN 450A
- At least 4.5 units from SPAN 370, 375, 380, 385
- At least 9.0 additional units of 300- or 400-level Hispanic Studies courses

* Students wishing to enrol in the Honours Program must first obtain the approval of the Depart-
LATIN AMERICAN STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers General, Major and Honours Programs in Latin American Studies in two streams: Language and Literature Concentration, or Multidisciplinary Concentration.

Program Requirements for the Latin American Language and Literature Concentration

Prerequisites and Co-requisite
- SPAN 100A, 100B, 250A, 250B, 260, 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 (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
- SPAN 350A, 370, 380, 385, 499
- LAS 300
- At least 7.5 units from SPAN 481A, 481B, 481C, 481D, 482B, 483A, 483B, 483C
- 3 units from SPAN 307, 350B, 450A, 484A, 484B, 484C, 484D, 485B, 490A, 490B, 490C, 495 or multidisciplinary courses

Program Requirements for the Latin American Studies Multidisciplinary 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
- LAS 300, 499
- 16.5 units from the courses below*

*Multidisciplinary Courses on Latin America
- ANTH 325; if focusing on Latin America 391, 392, 393, 394, 395
- GEOG 347B
- HA 375A, 375B
- HIST 465; if focusing on Latin America 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 pursing a Major in Italian Studies will find that they have sufficient electives to enable them to concentrate in a second field.

Program Requirements
Students are advised to consult with the Department in the selection of their courses.

General (Minor)
First Year
- ITAL 100A, 100B
Second Year
- ITAL 250A, 250B
Third and Fourth Years
- ITAL 350 or 351
- One of ITAL 473 or 474 or 478
- 6 additional units of 300- or 400-level Italian courses*
- Up to 3 units may be substituted from the supporting course list below.

Major
First Year
- ITAL 100A, 100B
Second Year
- ITAL 250A, 250B
Third and Fourth Years
- ITAL 350
- 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.

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)
Department of History

Thomas J. Saunders, BA (York), MA, PhD (Toronto), Associate Professor and Chair of the Department
Robert S. Alexander, BA (W Ontario), MA (Toronto), PhD (Cantab), Professor
Peter A. Baskerville, BA (Toronto), MA, PhD (Queen's), Professor
Brian W. Dippie, BA (Alta), MA (Wyo), PhD (Texas), Professor
Angus G. McLaren, BA (British Columbia), MA, PhD (Harvard), FRSC, Professor
Andrew Rippin, BA (Toronto), MA, PhD (McGill), Professor and Dean of Humanities
Eric W. Sager, BA, PhD (British Columbia), Professor
Paul Wood, BA (W Ontario), MPhil (London), PhD (Leeds), FRHistS, Professor
David Zimmerman, BA (Toronto), MA, PhD (New Brunswick), Professor
A. Perry Buddicombe, BA, MA (New Brunswick), PhD (London School of Economics), Associate Professor
Gregory R. Blue, BA (St Vincent de Paul), B Phil (University of Louvain), PhD (Cantab), Associate Professor
Penny Bryden, BA (Trent), MA (York), PhD (York), Associate Professor
M. L. (Marjolaine) Grant, BA (Trent), DPhil (Oxford), Associate Professor
John S. Lutz, BA, MA (U Vic), PhD (Ottawa), Associate Professor
Lynne S. Marks, BA (Toronto), MA, PhD (York), Associate Professor
John Price, BA, MA, PhD (British Columbia), Associate Professor
Oliver Schmidtke, Diplom (Philips University Marburg), PhD (European University Institute), Associate Professor
Elizabeth Vibert, BA (Dalhousie), MA (Edinburgh), DPhil (Oxford), Associate Professor
Wendy Wickwire, BMus (W Ontario), MA (York), PhD (Wesleyan), Associate Professor
Guoguang Wu, BA (Beijing), MA (Chinese Academy of Social Sciences), MA, PhD (Princeton), Associate Professor
Serhy Yekelchyk, BA (Kiev), MA (UkrAcadSci), PhD (Alta), Associate Professor
Sara Beam, BA (McGill), MA, PhD (California, Berkeley), Assistant Professor
Martin Bunton, BA (British Columbia), MA, PhD (Oxford), Assistant Professor
Shawn Cafferky, BA, MA (York), PhD (Cambridge), Assistant Professor
Zhongping Chen, BA, MA (Nanjing), PhD (Hawaii), Assistant Professor
Simon Devereaux, BA, MA, PhD (Toronto), Assistant Professor
Timothy S. Haskett, BA, MA, PhD (Toronto), Assistant Professor
Mitchell Lewis Hammond, BA, MAR (Yale), MAR, PhD (Virginia), Assistant Professor
Andrea McKenzie, BA (British Columbia), MA, PhD (Toronto), Assistant Professor
Andrew Preston, BA (Toronto), MSc (London School of Economics), PhD (Cambridge), Assistant Professor
Richard Rajala, BA, MA (U Vic), PhD (York), Assistant Professor
Jordan Stanger-Ross, BA (McGill), PhD (Pennsylvania), Assistant Professor
C. John D. Duder, BA (U Vic), PhD (Aberdeen), Senior Instructor

Visiting, Adjunct and Cross-listed Appointments
John D. Belshaw, BA (British Columbia), MA (Simon Fraser), PhD (London School of Economics), Adjunct
Patrick Dunne, BA (U Vic), PhD (Manchester), Adjunct
Lorne Hammond, BA, MA (U Vic), PhD (Ottawa), Adjunct
Larry Hammant, BA (Calgary), MA (Waterloo), PhD (British Columbia), Adjunct
Rosemary Ommer, BA (Calgary), PhD (McGill), Adjunct
Alison Prentice, BA (Glasgow), PhD (McGill), Adjunct

Emeritus
Harold C. Coward, BA, MA, PhD (McMaster)
Ralph C. Crozier, BA (British Columbia), MA (Washington), PhD (California, Berkeley)
Charlotte Girard, BA (British Columbia), MA, PhD (Bryn Mawr)
James Hendrickson, BA (Saskatchewan), BEd (Alta), MA, PhD (Ore)
Sydney W. (Toby) Jackman, BS, BA, MA, PhD (Amherst, Harvard)
Robert McCue, BEd (Alta), MA, PhD (BYU)
G. R. Ian MacPherson, BA (Assumption University of Windsor), MA, PhD (W Ontario)
John Money, BA, MA, PhD (Cantab), FRHistS
Patricia E. Roy, BA (British Columbia), MA, PhD (British Columbia)
Reginald H. Roy, BA, MA (British Columbia), PhD (Washington), Associate Professor
Donald Senese, AB, PhD (Harvard)
Phyllis M. Senese, BA (Toronto), MA (Carleton), PhD (York)
W. George Shelton, BA, MA (Manitoba), PhD (Pittsburgh)
E. Patricia Tsurumi, BA (British Columbia), AM, PhD (Harvard)
Wesley T. Wooley, AB (Illinois), AM, PhD (Chicago)

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 changes in scheduling made after publication of the Calendar, as well as additional information not available at that time.

Co-operative Education Programs

Please, see page 135.

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 132.

**PROGRAM REQUIREMENTS**

**General and Minor Programs**

History may be taken as one field of concentration in a General Program, or as a Minor. Normally, a student should complete:

1. 6 units of introductory History courses at the 100 or 200 level
2. 9 units of History courses at the 300 or 400 level

Students are strongly encouraged to take at least one course in pre-1800 history.

A maximum of 1.5 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history.  

**Major Program**

To be admitted to the Major Program, students require a minimum GPA of 2.0 in 6 units of introductory History courses. Students interested in pursuing a Major in History are advised to consult a Majors’ Adviser in their first year if possible, and History Majors are strongly encouraged to consult a Majors’ Adviser regarding their third- and fourth-year programs.

Students in the Major Program must complete 15 units of History courses numbered 300 and above. Of these 15 units, a minimum of 6 and a maximum of 12 units should be selected from one area of interest. Students are strongly encouraged to take at least one course in pre-1800 history.

A maximum of 3.0 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history.  

**Honours Program**

In the Honours Program, students have the opportunity to study history more independently and intensively than is normally possible in the Major and General Programs. Through the Honours Seminar (HIST 480) and individual instruction in writing and research (HIST 495, 496, 497), the Honours Program encourages students to think critically and to deepen their understanding of both the content and craft of history. While the primary intent of the Honours Program is to help any interested and talented student of history achieve an excellent education in the liberal arts, the program should be especially useful for students contemplating graduate work in history or careers in senior secondary teaching, journalism, law, library science or government service.

Admission to the Honours Program normally requires a minimum overall GPA of 6.0 as well as a minimum of 6.0 in 6 units of History courses, of which at least 3 units should be at the 100 or 200 level. These 6 units are not counted towards the 18 units of upper-level History required within the Honours Program.

Application for admission to the Honours Program should normally be made in the spring, during the student’s second year, although a small number of third-year applications may also be accepted. In certain cases, applications may be accepted any time up to the beginning of a student’s fourth year.

Honours candidates are required to have their program of courses approved by the Honours Adviser. To avoid overspecialization, Honours students must study more than one area of History and are strongly encouraged to take at least one course in pre-1800 history.

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 at least 18 units of history courses numbered 300 or above:

- HIST 480 ................................. 3.0
- HIST 496 or HIST 497 ................................. 3.0

History courses numbered 300 and above (may include HIST 495) which must include at least 3 units of History courses in areas outside their regional specialization ................................. 12.0

A maximum of 3.0 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history.  

1. Usually completed by the end of third year
2. As part of HIST 496 and 497 an oral examination will be conducted by a committee comprising the Faculty supervisor of the paper, the second reader and the Departmental Honours Adviser. The examination will be open to 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 in 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 480, 495, 496, 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**

Leslie Saxon, BA, MA (Tor), PhD (Calif, San Diego), Associate Professor and Chair of the Department

John H. Esling, BA (Northw), MA (Mich), PhD (Edin), Professor

Joseph F. Kess, BSc (Georgetown), MA, PhD (Hawaii), FRSC, Professor

Barry F. Carlson, BA, MA (Colo), PhD (Hawaii), Associate Professor

Ewa Czyzewska-Higgins, BA (Brit Col), MA (Tor), PhD (MIT), Associate Professor

Thomas E. Hokari, BA (Ore), MA, PhD (Wash), Associate Professor

Hua Lin, BA (Lanzhou), MEd, PhD (UVic), Associate Professor

Hossein Nassajii, BA, MA (Isfahan U), PhD (OISE/Tor), Associate Professor

Li-Shih Huang, BA (York), MEd, PhD (OISE/Tor), Assistant Professor

Suzanne Urbanczyk, BSc, MA (UVic), PhD (U of Mass), Assistant Professor

Lorna B. Williams, BA (SFU), PhD (U of Tennessee), Assistant Professor and Canada Research Chair in Indigenous Knowledge and Learning

Margaret Warbey, BA (Brit Col), MA, PhD (UVic), Senior Instructor

**Visiting, Adjunct and Cross-listed Appointments**

Sonya Bird, BA (Brit Col), MA, PhD (U of Arizona), Limited Term Assistant Professor (2004-06)

Arthur C. Brett, BS (Kansas City), PhD (Missouri), Adjunct Associate Professor (2004-06)

Suzanne Cook, BA, MA (UVic), Adjunct Assistant Professor (2004-06)

B. Craig Dickson, BA, MA (UVic), Adjunct Assistant Professor (2005-07)

Jimmy G. Harris, BA, MA (Wash), MEd (USC), Adjunct Assistant Professor (2005-07)

David A. McKercher, BSc (Calgary), BEd, MA (UVic), PhD (Stanford), Adjunct Assistant Professor (2006-07)

Tadao Miyamoto, BA, MA, PhD (UVic), Adjunct Professor (2004-06)

Judith Nylvek, BA, MA, PhD (UVic), Sessional Lecturer (2006-07)

**LINGUISTICS PROGRAMS**

The Department of Linguistics offers the following degree and diploma programs:

- General, Major and Honours BA in Linguistics
- Major and Honours BA in Applied Linguistics (emphasis on teaching English as a Second Language)
- Major and Honours BSc in Linguistics
- Diploma in Applied Linguistics (emphasis on teaching English as a Second Language)
**BA in Linguistics**

**General and Minor Programs**

Students following a General or Minor Program in Linguistics are required to take LING 100A and at least 9 units of courses in Linguistics at the 300 or 400 level.

**Major Program**

The requirements for a Major in Linguistics are:

- LING 100A
- LING 200
- LING 203
- 15 units of upper-level courses in Linguistics including LING 409, 410A and 440
- Some knowledge of a language other than English is recommended.

**Honours Program**

Students who wish to take an Honours degree in Linguistics begin the program in the third year with the permission of the Department. Honours students must:

1. Achieve at least a B average in all Linguistics courses taken in each of third and fourth years and maintain a GPA of at least 3.5 in all work of the third and fourth years; and
2. In addition to the requirements for the Major, students intending to pursue an Honours degree in Linguistics must present LING 410B, 440, and 499 for a total of 21 units of upper-level courses.

Students who meet the above requirements and successfully complete all prescribed courses will be recommended for Honours degrees as follows:

- With Distinction: graduating average of 6.5 or higher and a letter grade of at least A- in Linguistics 499 (Honours Thesis)
- Honours: graduating average of 3.5 to 6.49 and a letter grade of at least B in 499

An Honours student with a graduating average of at least 6.5, but with a grade less than A- in 499, will be given the option of receiving a Major degree “With Distinction” or an Honours degree.

All Honours students are required to submit their proposals for Honours thesis research at the beginning of their final year.

**BA in Applied Linguistics**

The BA in Applied Linguistics prepares students for teaching English as a second language in many foreign countries and in Canadian programs outside the public school system. The BA in Applied Linguistics does not qualify students to teach in the schools of British Columbia. Those who wish to be teachers in the British Columbia school system must either hold an Education degree or have successfully completed the professional program for graduates offered by Education faculties in BC. (For information, contact Education Advising.)

**Major Program**

**Required Courses: First and Second Years**

- LING 100A
- LING 200
- LING 203
- 4.5 units of first- and second-year English courses
- PSYC 100A and 100B
- 6 units of modern second language courses, of which at least 1.5 units are at the second-year level or equivalent

**Required Courses: Third and Fourth Years**

15 units including:

- LING 373
- LING 374
- LING 375
- LING 376
- LING 388
- LING 409
- LING 410A
- LING 440

3 units selected from LING 370A, 377, 386, 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, 440, 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 PE 141
- MATH 100 or 102
- 3 units from PHYS 102, 112, 120, 220
- PSYC 100A, 100B and 201

**Recommended Electives**

- CSC 100, 110, 115
- PE 241A and 241B (prerequisite 141)
- PHYS 214
- PSYC 215A, 340
- MUS 306, 307
- Course(s) in a second language.

**Required Courses: Third and Fourth Years**

- LING 370A
- LING 370B
- LING 380
- LING 381
- LING 382
- 4.5 units selected from LING 300, 409, 410A, 410B, 440, 441
- 3 additional units of upper-level Linguistics courses, selected from the following: LING 373, 386, 482, 483, 484 and from the following not already selected: LING 300, 409, 410A, 410B, 440, 441

**Corequisite Courses:**

- PSYC 300A
- 4.5 units selected from PSYC 300B, 313, 315, 317A, 317B, 323, 335, 413, 415, 450.

**Honours Program**

Students intending to pursue a BSc Honours degree in Linguistics should ensure that they have completed LING 410A and 440 as part of the 15 units required for the Major degree. In addition to the requirements for the Major, Honours students must present LING 410B, 441 and 499 for a total of 21 units of upper-level courses. The regulations regarding the required level of achievement and the class of Honours awarded are the same as those stated above for the BA in Linguistics.

**Diploma in Applied Linguistics**

**Program Admission and Regulations**

Applicants must have completed a University of Victoria Bachelor’s degree or its equivalent including at least 6 units of courses in English and 6 units of modern second language courses.

Applicants whose previous instruction was given in a language other than English will normally be required to have a major in English.

Students who have completed the University of Victoria degree in Applied Linguistics or its equivalent may not register in the Diploma Program.

The program may be completed within one year of full-time study, but can also be taken part-time. It must be completed within five years. For part-time students, LING 376 will normally be taken in the final year of study.

Courses taken for the Diploma program cannot be applied towards another degree.

Applicants who wish to be teachers in the British Columbia school system must either hold an Education degree or have successfully completed the professional program for graduates offered by Education faculties in the province. (For information, contact Education Advising.)

**Diploma Requirements**

The Diploma requires a minimum of 15 units of course work in addition to those credited towards a degree. Applicants who have received credit for some of these courses (or equivalent) previously will be allowed to substitute up to 6 units of courses recommended by the Department. Students whose degrees are from universities other than the University of Victoria must complete the entire 15 units at UVic. Students with a UVic degree may negotiate to have transfer credit from other universities apply to the Diploma program.
Medieval Studies Program

Director: Iain MacLeod Higgins, BA, MA (UBC), AM, PhD (Harvard), Associate Professor, Department of English

Medieval Studies Program Committee
Hélène Cazes, PhD (Paris), Assistant Professor, Department of French. Term expires July 1, 2006
Iain Higgins, BA, MA (Brit Col), PhD (Harvard), Associate Professor, Department of English. Term expires July 1, 2006
Lloyd Howard, BA (Brit Col), MA, PhD (Johns H), Associate Professor and Chair, Department of Hispanic and Italian Studies. Term expires July 1, 2007
Susan Lewis, BA, BMus (Queen’s), MM (Arizona), MFA, PhD (Princeton), Assistant Professor, School of Music. Term expires July 1, 2007

**Medieval Studies Programs**

Medieval culture, which flourished in Europe from about AD 300-1500, and has analogues in many non-European cultures, lends itself well to interdisciplinary study. Since a proper knowledge of the life of the Middle Ages requires a knowledge of the history and thought of the period, the Medieval Studies Program seeks to train students in the techniques of history, literature, language and manuscript studies needed for the accurate and critical study of medieval culture.

The Department offers a Major Program and a General Program leading to the degree of Bachelor of Arts. Students may also undertake the Major in Medieval Studies together with a Major Program in another department (see Double Major, page 134), or with a Major in another Faculty (see Interfaculty Program, page 134). 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 135).

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 requirement: MEDI 301, 302, 360 and 401 (360 and 401 with the Faculty of Education's approval only). Students who wish to pursue this option should contact the Medieval Studies office.

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**Co-operative Education Programs**

Please, see page 135.

**Program Requirements**

**Major Program**

To be admitted to the Major Program, students require at least second-year standing or permission of the Director of Medieval Studies; HIST 236 Medieval Europe (3.0) is suggested.

**Requirements for the Major**

- MEDI 301 The Middle Ages: I ..............................1.5
- MEDI 302 The Middle Ages: II ..............................1.5
- 3 units of the following 400-level MEDI courses: .................3.0
- MEDI 401 Seminar in Medieval Culture
- MEDI 451 (formerly part of 450) The Medievals and the Written Word
- MEDI 452 Special Topics in Medieval Manuscript Studies

9 units of upper-level courses, selected from other MEDI offerings and the list of Eligible Courses (with no more than 3 units selected from any one department) .........................................................9.0

Total .................................................................15.0

**Double Major**

Students pursuing a Double Major may select courses on the Eligible Courses list from their second field of concentration, provided the same units are not used for both Majors.

**General and Minor Programs**

MEDI 301 ......................................................................1.5
MEDI 302 ......................................................................1.5
MEDI 401 or 451 or 452 ..................................................1.5
An additional 4.5 units of MEDI course offerings or courses from the Eligible Courses list at the 300 or 400 level, to be approved by the Director of Medieval Studies.................................4.5
Total ..................................................................................9.0

**Combined English Honours with Medieval Studies Minor**

Students in the Medieval Studies Program are also enrolled in the English Honours Program may earn a Combined English Honours and Medieval Studies Minor degree. To do so they must complete:

- MEDI 301
- MEDI 302
- MEDI 401 or 451 or 452
- 1.5 units selected from the courses (apart from English courses) in the list of Eligible Courses for the Medieval Studies Program.
- 1.5 units selected from the program before 1660: ENGL 340, 341, 346, 347, 352, 353, 354, 357, 359, 360, 362, 364, 365, 366B, 366C, 366D, 366E, 369, 410, 473
- 1.5 units selected from the following list: ENGL 340, 341, 346, 347, 352, 353, 354, 357

**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 specialization. Normally this requirement will be satisfied by completion of 3.0 units of 200-level language courses. The Language Requirement may also be satisfied by two of the following: ENGL 340, 341, 346, 347 (3.0 units of

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**2006-07 UVIC CALENDAR**

FREN courses numbered 155 or higher, excluding 160 and 161, are also acceptable. The same courses, however, may not be counted again under Major requirements.

**Eligible Courses**

**ELING 340 (1.5)** Introduction to Old English
**ELING 341 (1.5)** Old English Literature
**ELING 346 (1.5)** Introduction to Old Icelandic
**ELING 347 (1.5)** Old Icelandic Literature
**ELING 351 (1.5)** The Canterbury Tales
**ELING 352 (1.5)** Chaucer and his Contemporaries
**ELING 353 (1.5)** Studies in Medieval English Literature
**ELING 354 (1.5)** Old and Middle English Literature in Translation
**ELING 357 (1.5)** The Poetry of the Alliterative Revival
**ELING 409 (1.5)** The Bible in English
**ELING 440 (1.5)** History of the English Language
**ELING 473 (1.5)** Women Writers in English from the Medieval to the Augustan Age
**FREN 425A (1.5)** History of the Language: I
**FREN 425B (1.5)** History of the Language: II
**FREN 440 (1.5 or 3)** Medieval Literature
**FREN 441 (MEDI 441) (1.5)** Medieval Arthurian Romance
**GERS 411 (1.5)** Medieval German Literature
**HIST 320 (1.5 or 3)** Seminar in Medieval England
**HIST 320A (1.5 or 3)** Crime and Criminality in Medieval England
**HIST 320B (1.5 or 3)** Medieval London
**HIST 380A (1.5 or 3)** Seminar in Medieval Europe
**HIST 380D (1.5 or 3)** Individual, Family and Community in Medieval Society
**HIST 380E (1.5 or 3)** Medieval Foundations of the Western Legal Tradition
**HIST 380F (1.5 or 3)** Murder and Mayhem in Medieval Europe
**HA 321 (1.5)** Late Classical and Early Christian History in Art
**HA 323 (1.5)** Byzantine History in Art
**HA 326 (1.5)** Early Medieval History in Art
**HA 328 (1.5)** Gothic Art and Architecture
**HA 340A (1.5)** The 15th Century in Northern Europe
**HA 352 (1.5)** Genesis of Islamic Art and Architecture
**HA 354 (1.5)** Medieval Islamic Art and Architecture
**HA 357 (1.5)** Amirates and Sultanates of the Muslim Empire
**HA 420 (1.5)** Advanced Seminar in Medieval Art
**HA 450 (1.5 or 3)** Advanced Seminar in Islamic Art and Civilization
**ITAL 470 (1.5)** Dante's Divine Comedy (in English)
**ITAL 472A (1.5)** Boccaccio's Decameron (in English)
**ITAL 472B (1.5)** Francis Petrarca: His Life as Literature (in English)
Background andComparative Courses
Students especially those considering graduate studies in the field of Medieval Studies are urged to take advantage of the Latin courses offered by the Department of Greek and Roman Studies. Since the study of ancient Greece and Rome provides an excellent background for Medieval Studies, and because medieval culture has a number of analogues in non-European cultures, the following background and comparative courses are useful electives. HIST 236 (Medieval Europe) is also suggested.

ANTH 300A (1.5) Kinship and Marriage
ANTH 300B (1.5) Comparative Social Structure
ANTH 300C (1.5) Complex Societies in Cross Cultural Perspective
ANTH 304 (1.5) Technology in Culture
ANTH 305 (1.5) Anthropology of the Arts
ANTH 306 (1.5) Folklore and Mythology
ANTH 310 (1.5) Anthropological Approaches to Comparative Religion
ANTH 332 (1.5) Ethnicity of Europe
ENGL 410 (3.0) Backgrounds to English Literary Traditions
GRS 300 (1.5) Greek and Roman Epic
GRS 301 (1.5) Tradition and Originality in Classical Literature
GRS 322 (1.5) Women in the Greek and Roman World
GRS 341 (1.5) Roman History
GRS 342 (1.5) Roman Society
GRS 346 (1.5) Roman Law and Society
GRS 372 (1.5) Art and Architecture of the Roman World
GRS 375 (1.5) Cities and Sanctuaries of the Ancient World
GRS 376 (1.5) Ancient Technology
GRS 381 (1.5) Greek and Roman Religion
GRS 480 (1.5) Seminars in Ancient History and Archaeology
HA 317 (1.5) Art and Architecture of the Roman World
HA 358 (1.5) Islam and Asia
HA 371 (1.5) Early Chinese Art
HA 373 (1.5) Early Japanese Art and Architecture
HA 450 (1.5) Advanced Seminar in Islamic Art and Architecture
HIST 433 (1.5) Pre-Modern China
HIST 435 (1.5) Feudalism in Japan: The Way of the Warrior from the 12th to the 19th Century
JAPA 302B (1.5) Japanese Literature in Translation: The Middle Ages and the Early Modern Period (1185-1867)
LATI 301 (1.5) Vergil
LATI 302 (1.5) Livy and Horace

Department of Pacific and Asian Studies
M. Cody Poulton, BA, MA, PhD (Tor), Associate Professor and Chair of the Department
Daniel J. Bryant, BA, PhD (Brit Col), Professor
Yuen-fong Woon, BA, MA (HK), PhD (Brit Col), Professor
Michael H. Bodden, BA, MA, PhD (Wis, Madison), Associate Professor
Leslie Butt, BA (Trent), MA (Simon Fraser U), PhD (McGill), Associate Professor
Richard King, BA, MA (Cantab), PhD (Brit Col), Associate Professor
Hirotuka Nozomi, BA, MA (Aoyama Gakuin), PhD (Tokyo), Assistant Professor
Martin Adam, BA (Calgary), MA (Waterloo), PhD (McGill), Assistant Professor
Timothy Iles, BA, MA (Brit Col), PhD (Tor), Assistant Professor
Vivian Pui Yin Lee, BA, MA (IK), PhD ( Brit Col), Assistant Professor
R. Christopher Morgan, BA, MA (UVic), PhD (ANU), Assistant Professor
Yasuko France, BA (Tokyo), MEd (Mass), Senior Instructor
Mika Kimura, BA, MA (UVic), Senior Instructor
Naozumi Riddington, BA (Tokyo Women's Christian), MA, MFA (Mass), PhD (Brit Col), Senior Instructor
Karen Kai-Ying P. Tang, BA (National Taiwan Normal U), MA (Brit Col), Senior Instructor

Visiting, Adjunct and Cross-listed Appointments
James A. Boutilier, BA (Dal), MA (McM), PhD (ANU), Adjunct Professor
Robert E. Florida, MechEng (Cincinnati), BD (Tuffs), MA, PhD (McM), Adjunct Professor
Harry Hsin-i Hsiao, BA (Tunghai), MA, PhD (Harv), Associate Professor Emeritus
David Chuenyan Lai, BA, MA (HK), PhD (Brit Col), PhD (Wis), Associate Professor Emeritus
Richard King, BA, MA (Cantab), PhD (Brit Col), Associate Professor
Jordan Paper, AB (Chicago), 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)
• Chinese Studies (General/Minor)
• Japanese Studies (General/Minor)
• Southeast Asian Studies (General/Minor)
The programs in Pacific and Asian Studies stress the development of analytical and critical faculties, as well as academic skills such as research and writing. Like all undergraduate programs in the Humanities Faculty, they are not aimed at providing students with vocational training or specific job skills. What the programs do provide is:
• basic communication skills in Chinese, Japanese, or Indonesian/Malay
• an appreciation of the culture, literature, theatre and other arts of the Pacific and Asian region
• a knowledge of the history, economy, societies and politics of the area

Such general skills and specialized knowledge, especially when combined with the expertise offered by programs such as Education, Law, Business, Public Administration or Environmental Studies, should enhance the opportunities of students seeking careers related to the Asia-Pacific region.

Co-operative Education Programs
Please, see page 135.

Admission to Courses
Students are advised that because of limited staff and facilities it may be necessary to restrict enrollment in some courses in Chinese, Japanese, Southeast Asian Studies or Pacific Studies programs. Admission to Courses

Co-operative Education Programs
Please, see page 135.

Admission to Courses
Students are advised that because of limited staff and facilities it may be necessary to restrict enrollment in some courses in Chinese, Japanese, Southeast Asian Studies or Pacific Studies programs. Students proceeding toward a Major or General degree in Pacific Studies will be given priority over students in other programs. Students who wish to repeat a course at any level will be given lower priority than students taking the course for the first time.

For admission to most language courses numbered 100B or 150 or above, a minimum grade of B, or in some cases higher, in the prerequisite course is required. As language courses are limited to 25 students per section, the Department reserves the right to rank students according to their grades for the prerequisite course. Students are warned that all Pacific and Asian Studies degree programs include a language requirement; students who fail to complete the language requirement will not be permitted to graduate in the program.

Satisfaction of the University English Requirement is prerequisite to registration in all courses numbered 300 or higher.

Placement Tests of Transfer Students
Although transfer students may be given credit for language courses taken at their previous institution, they will not be guaranteed admittance to more advanced language courses in this department.

Students whose first language is Japanese or any form of Chinese (Mandarin, Cantonese, etc.)
should consult the statements on "native speakers" at the head of the course listings (see 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.

**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 490B) through writing an honours research essay of at least 10,000 words. Students interested in the Honours Program should consult with the Pacific Studies Honours Adviser before making application.

Honours students must present 24.0 units of PACI/CHIN/JAPA/SEA courses numbered 300 and above. The Program requires:

1. Satisfaction of the requirements for one of the areas of concentration in the Pacific Studies Major Program, including completion of PACI 390 with at least a B+

2. 9.0 additional units, selected from the upper-level offerings of the Department or the Related Courses list, distributed as follows:
   - 1.5 units of PACI 325, 390 or 392
   - 3.0 units of upper-level language selected from CHIN 310A, 320, 420 for native speakers, or 310A, 349, 480 for non-native speakers, JAPA 311, 312, 313, 314, 315, 480, SEA 481 (Indonesian/Malay), FREN 300
   - 1.5 units of PACI 490B

Students may apply for admission to the Honours Program in the spring term of their second year or in the fall term of their third year. Admission requires:

1. A grade of at least B+ in PACI 210 (or 200A and 200B) and PACI 290
2. Written permission from a Pacific Studies faculty member willing to act as research adviser for the PACI 490B essay
3. Approval of the proposed program of courses by the Honours Adviser

Continuation in the Honours Program requires maintenance of an overall GPA of B+ for upper-level courses.

**Major Program**

The Major in Pacific Studies provides two concentrations: Pacific Area Studies and Language and Literature Studies. These concentrations include core courses for all students and specific requirements for students to develop their specialization. Students in the Pacific Area Studies Major Program can choose to specialize in China, Japan, Oceania or Southeast Asia. Students in the Pacific Language and Literature Major Program can choose to specialize in China, Japan or Southeast Asia. The requirements for these studies are listed below. Note that students taking a Major in one concentration in Pacific Studies cannot also take a Major in any other concentration. Note also that students taking a Major in Pacific Studies cannot simultaneously obtain a Minor in Pacific Studies in the same geographical area.

**Requirements Common to All Concentrations**

- PACI 210
- PACI 290

**Pacific Area Studies Concentration Specific Requirements**

**China Area Concentration**

- PACI 319A and 319B
- 3.0 units selected from one of the following sequences:
  - PACI 321A and 321B
  - PACI 323A and 323B
  - PACI 328A and 328B
  - PACI 325, 390, or equivalent
- A China or Taiwan Seminar (PACI 417, 420)
- A 400-level seminar on China, Oceania or Southeast Asia selected from PACI 411, 412, 413, 414, 420, 422, 440
- PACI 490A or 443
- 9.0 units selected from one of the following options:
  - SEA 100A and 100B, 200, 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, Taiwan, Japan or Oceania selected from PACI 413, 414, 417, 420, 422, 440
- PACI 490A or 443
- 9.0 units of SEA 100A and 100B, 200, 201A and 201B
- 3.0 units of SEA 300 or (if SEA 300 is not available) selected from SEA 302A, 302B, 320, 324, 481

**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 328A and 328B
  - PACI 325, 390, or equivalent
- An Oceania or Australasia Seminar (PACI 413, 414)
- A 400-level seminar on China, Taiwan, Japan or Southeast Asia selected from PACI 411, 412, 417, 420, 422, 440
- PACI 490A or 443
- 9.0 units selected from one of the following options:
  - SEA 100A and 100B, 200, 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)

**Pacific and Asian Languages and Literatures Studies Concentration Specific Requirements**

**Chinese Language and Literature Concentration**

- For native speakers: 9.0 units of language: CHIN 220, 320, 420 (can be taken twice on different topics); or for non-native speakers: 9.0 units of language: CHIN 149, 150, 249
- 3.0 units selected from CHIN 303, 304, 305, 306, 307, 481
- 1.5 units of upper-level literature and culture courses from a secondary area selected from JAPA 302A, 302B, 303A, 303B, 320A, 320B, 324A, 324B, 358, 359, 396, 403A, 403B, or SEA 302A, 302B, 320, 324
- 3.0 units of PACI 319A and 319B
- PACI 392
- For native speakers: 3.0 additional units of upper-level courses on China selected in consultation with the Program Adviser; for non-native speakers: 3.0 additional units of upper-level courses.
language courses selected from CHIN 310A, 349, 480
• 3.0 units selected from CHIN 461, 481, 490

Japanese Language and Literature Concentration
• 9.0 units of Japanese language selected from JAPA 149, 150, 249, 311 (native speakers may substitute other Japan-related courses in consultation with the Program Adviser)
• 1.5 units of upper-level literature and culture courses from a secondary area selected from CHIN 304, 305, 306, 307, 461, SEA 302A, 302B, 320, 324
• 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 200, SEA 201A and 201B
• 3.0 units selected from SEA 302A, 302B, 320, 324
• 3.0 units of PACI 323A and 323B
• PACI 392
• 3.0 units of SEA 300 (3.0 units selected from HA 330A, 330B, PACI 411, 412 may be substituted for SEA 300 if the latter is not available)
• 3.0 units selected from HA 430, 431, 432, SEA 481

General/Minor Program in 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.

Course Requirements (Non-native speakers of Chinese)
First and Second Years
• CHIN 149, 150, 249

Third and Fourth Years
• 9.0 additional units of upper-level courses on China chosen in consultation with the Program Adviser.

General/Minor Program in Japanese Studies
Course Requirements
First Year
• CHIN 149, 150, 249, 411, 412, ANTH 329, HA 333A, 333B, 339

Second Year

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 courses:
    • PACI 412, 413, 414, 416, 417, 420, 422, 440, 443, 481

General/Minor Program in Pacific Studies
Course Requirements
First and Second Years
• CHIN 139, 300, 301

Second Year
• CHIN 201A, 201B, 210, 411, 412, ANTH 329, HA 333A, 333B, 339

Third and Fourth Years

Recommended Electives
The following courses have content significant to the Pacific Studies Program and are highly recommended as electives to students in this program. Students must ensure that they have the prerequisites stipulated for these courses.

ANTH 329 (1.5) Ethnology of Southeast Asia
ECON 328 (1.5) Economic History of the Pacific Rim
ECON 428 (1.5) The Postwar Japanese Economy
ENGL 250 (1.5) Contexts of Literature
GEOG 344 (1.5) Urban Problems of Pacific Rim Developing Countries
GEOG 382 (1.5) Geography of Southeast Asia
GEOG 384 (3.0) Geography of Japan
HA 230 (1.5) Monuments of South and Southeast Asia
HA 251 (1.5) Middle Eastern Civilization: Islam
HA 270 (1.5) Religion, Philosophy, and the Arts in China and Japan
HA 333A (1.5) Early Arts of Southeast Asia
HA 333B (1.5) Later Arts of Southeast Asia
HA 338 (1.5) Special Topics in Premodern Asian Art
HA 371 (1.5) Early Chinese Art
HA 372A (1.5) Later Chinese Art: Part 1
HA 372B (1.5) Later Chinese Art: Part 2
HA 373 (1.5) Early Japanese Art
HA 374 (1.5) Later Japanese Art
HA 410 (1.5) Advanced Seminar in the Arts of South and/or Southeast Asia
HA 470 (1.5) Advanced Seminar in East Asian Art
HA 471 (1.5) Advanced Seminar in the History of Chinese Painting
HA 474 (1.5) Advanced Seminar in the Popular Culture of Pre-Modern Japan
HIST 105 (3.0) Introduction to 20th Century World History
HIST 253 (1.5) Introduction to Chinese Civilization Before 1840
HIST 254 (1.5) Introduction to Chinese Civilization Since 1840
HIST 255 (1.5) The Origins of Modern Japan
HIST 256 (1.5) Japan in the 20th Century
HIST 257 (1.5) Introduction to the Civilization of India
HIST 434A (1.5) Late Imperial China
HIST 434B (1.5) Twentieth Century China
HIST 435 (1.5) Feudalism in Japan: The Way of the Warrior from the 12th to the 19th Century
HIST 436A (1.5) Rise and Fall of Imperial Japan
HIST 436B (1.5) Japan's Postwar Economic History
HIST 438 (1.5) Topics in East Asian History
HIST 439 (1.5) Seminar in East Asian History
LING 364 (1.5) Languages in the Pacific Area
POLI 303 (1.5) Political Thought in East Asia
POLI 318 (1.5) Government and Politics in East Asia
POLI 416 (1.5) State, Revolution and Reform in East Asia
Department of Philosophy

James O. Young, BA (S Fraser), MA (Wet), PhD (Bost), Professor and Chair of the Department
Conrad Brunk, BA (Wheaton), MA, PhD (Northwestern), Professor
Eike-Henner W. Kluge, BA (Calg), AM, PhD (Mich), Professor
Jeffrey F. Foss, BA (Alta), MA, PhD (W Ont), Professor
James H. Tully, BA (UBC), PhD (Cambridge), Professor
Manika Langer, BA, MA, PhD (Tor), Associate Professor
Colin Macleod, BA (Queen’s), MA (Dalhousie), PhD (Cornell), Associate Professor
David Scott, BA, MA (Memorial), PhD (Reading), Associate Professor
Jan Zwicky, BA (Calg), PhD (Tor), Associate Professor
Cindy L Holder, BA (McGill), MA (Dal), PhD (Arizona), Assistant Professor
Tuneli Kakkonen, MA, PhD (Helsinki), Assistant Professor and Canada Research Chair in The Aristotelian Tradition
Patrick W. Rysiew, BA (S Fraser), MA (Dalhousie), PhD (Arizona), Associate Professor
Scott Woodcock, BA (BC), MA, PhD (Toronto), Assistant Professor

Key Contact: Philosophy Chair, 721-7512

PHILOSOPHY PROGRAMS

The Department of Philosophy offers Honours, Major and General programs leading to the Bachelor of Arts degree. The Department also offers courses toward an interdisciplinary Minor in Applied Ethics. See page 213 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 or 203, or 304A and 304B) by the end of their second year of study. Students are advised to take, in their second year of study, the 200-level courses which are the prerequisites for the advanced courses they plan to take. Students intending to take a Major or Honours degree are strongly advised to discuss their plans with the Department’s undergraduate adviser.

Co-operative Education Programs
Please, see page 135.

PROGRAM REQUIREMENTS

Honours Program

30 units of Philosophy comprising:
a) PHIL 201 and 203: Applied Logic I and II or PHIL 304A and 304B: Theoretical Logic I and II
b) PHIL 301: Plato
• PHIL 303: Aristotle
• PHIL 306: The Rationalists
• PHIL 308: The Empiricists
• PHIL 309: Kant
• PHIL 335: Moral Philosophy
• PHIL 499: Philosophy Honours Seminar
c) an additional 15.0 units of Philosophy courses. Of these 15.0 additional units, at least 9.0 must be numbered 300 or higher. None of PHIL 330, 331, 333, 381 (formerly 379), 337, or 383 may be taken in satisfaction of the requirements to take 9.0 additional units numbered 300 or higher. Of these 9.0 units, 4.5 must be numbered 400 or higher.

Graduation Standing

To obtain an Honours degree, a student must have at least a 3.5 graduating GPA and have at least a 5.0 average in all credit courses taken in Philosophy. To obtain Honours “With Distinction,” a student must have:
1. a graduating average of 6.5 or higher
2. at least a 6.5 average in all credit courses taken in Philosophy
3. an average of at least 7.0 in all 300- and 400-level courses in Philosophy

Upon completing the program, any student who meets requirement 1 but not 2 or 3 has the option of graduating with a Major “With Distinction” instead of with Honours.

Major Program

21 units of courses in Philosophy comprising:
a) PHIL 201 and 203: Applied Logic I and II or PHIL 304A and 304B: Theoretical Logic I and II
b) PHIL 301: Plato
• PHIL 303: Aristotle
• PHIL 306: The Rationalists
• PHIL 308: The Empiricists
• PHIL 309: Kant
c) an additional 10.5 units of Philosophy courses

Note: 15 units of 200-level courses in Philosophy must have declared their Women’s Studies program

Women’s Studies offers Honours, Major and General programs leading to a Bachelor of Arts (BA). The interdisciplinary Women’s Studies curriculum is designed to introduce students to a diversity of perspectives on women’s histories, struggles, experiences and thought. Women’s Studies builds on traditional and evolving knowledge and methodologies to integrate the many forms of feminist scholarship and activism. Through its course content and teaching strategies, the Department of Women’s Studies explores the concerns and experiences of those women traditionally outside the scope of mainstream thought and therefore rendered invisible in descriptions of female experience. This “centering the margins” is part of our ongoing commitment to broadening and deepening feminist understanding of gender.

Students interested in pursuing a program in Women’s Studies should consult the Department Chair or Student Adviser at an early stage in their undergraduate studies. See page 133 for information on declaring a degree program. Students must have declared their Women’s Studies program to be eligible for Women’s Studies bursaries and scholarships.

The Division of Continuing Studies offers non-degree courses on a variety of themes focusing on women. For more information, call Continuing Studies at 472-4747.
FACULTY OF HUMANITIES

Co-operative Education Programs
Please, see page 135.

Graduate Program
While the Women's Studies department does not have a graduate program, it offers a course (GS 500) under the auspices of the Faculty of Graduate Studies. This is an advanced seminar in Women's Studies with variable topics. See the UVic Graduate Calendar for the course description.

PROGRAM REQUIREMENTS

Admission to Courses
Women's Studies courses are open to all University of Victoria students. In all required courses, registration priority will be given to students with:
1. A declared Major or Honours in Women's Studies
2. A declared Minor or General Program in Women's Studies
3. Previous courses in Women's Studies

Honours Program
Students interested in the Honours Program should consult with the Honours Adviser during their third year. All terms of acceptance must be met no later than June 30 of the term preceding their enrollment in WS 499.

Terms of acceptance for the Honours Program:
• A GPA of at least 6.5 in five upper-level Women's Studies courses
• A minimum GPA of 4.5 in all other courses
• Written permission of their proposed WS 499 supervisor

Honours Requirements
• WS 104
• One of WS 203, 204, 205, 206, 207
• 21 units of upper-level credit, which must include WS 330A, 400A and 499
• May NOT include WS 400B

Students may take more than the required units of Women's Studies courses as electives.

Major Program
Students may combine the requirements of a Major Program in Women's Studies and a Major in a complementary discipline to obtain a Double Major.

Major Program Requirements
• WS 104
• One of WS 203, 204, 205, 206, 207
• 15 units of upper-level credit, which must include WS 330A, 400A and 400B

Students may take more than the required units of Women's Studies courses as electives.

General and Minor Programs
A General Program leading to a BA is also offered. Students may obtain a Minor degree in Women's Studies by combining the General Program requirements in Women's Studies with a Major or Honours in another department or faculty.

General Program Requirements
• WS 104
• One of WS 203, 204, 205, 206, 207
• 9 units of upper-level WS credit, which may include WS 330A (recommended)

Students may take more than the required units of Women's Studies courses as electives.

Course Index

First Year
WS 104 (1.5) Introduction to Women's Studies

Second Year
(Prerequisites are specified under individual course descriptions)
WS 203 (1.5) Reading Popular Culture
WS 204 (1.5) Fast Feminisms: Toward a New Politics of Sexuality
WS 205 (1.5) Women, Food and Culture
WS 206 (1.5) Globalization and Resistance
WS 207 (1.5) Indigenous Women in Canada

Third Year
(Prerequisites are specified under individual course descriptions)
WS 310 (1.5) Power, Work and Justice
WS 311 (1.5) Sex Work, Trafficking and Human Rights
WS 313 (1.5) Multiculturalism, Nationalism and Feminism
WS 314 (1.5) Women, Race and Empire
WS 319 (1.5) Topics in Economies, States and Global Issues

Fourth Year
(Prerequisites are specified under individual course descriptions)
WS 400A (1.5) Feminist Research Practices
WS 400B (1.5) Research Seminar for Independent Project
WS 450 (3.0) Practising Feminism in the Field
WS 480 (1.5) Advanced Seminar in Women's Studies
WS 499 (3.0) Honours Graduating Essay

Graduate Course
GS 500 (1.5) Special Topics

Feminist Theories and Activism
WS 330A (1.5) Theorizing Feminisms
WS 334 (1.5) What's Race Got to Do With It?
WS 336 (1.5) Theories of Race, Racism and Racialization
WS 337 (1.5) Anti-racist Feminisms and Democratic Futures
WS 338 (1.5) Theorizing the Contemporary Body
WS 339 (1.5) Topics in Feminist Theories and Activism

Film, Literature and Cultural Production
WS 340 (1.5) Indigenous Cinema: Decolonizing the Screen
WS 341 (1.5) Narrated Lives: Indigenous Women's Auto/biographies
WS 342 (1.5) Body, Language and Spirit
WS 343 (1.5) Topics in Irish Women's Studies
WS 344 (1.5) Reimagining History in Contemporary Women's Fiction
WS 349 (1.5) Topics in Film, Literature and Cultural Production

Power, Identities and Difference
WS 322 (1.5) Women, Law and Resistance: Historical Perspectives
WS 323 (1.5) Topics in Women's Health
WS 325 (1.5) Women in Contemporary India
WS 326 (1.5) Gender, Nation and War
WS 327 (1.5) Discerning Masculinities
WS 328 (1.5) Thinking Whiteness
WS 329 (1.5) Topics in Power, Identities and Difference
Legal studies equip students with the foundation of legal knowledge and skills needed for the practice of law and for the many professional roles in which legal training is invaluable. As well as introducing students to the concepts, processes and institutions of our legal system, the LLB program seeks to develop in students an understanding of the context—social, economic, historical, philosophical and cultural—in which our legal system has developed and continues to evolve. Students in the program have opportunities to explore the many specialized areas of legal training and to gain practice in the skills of argument, advocacy and other applications of the law.
Faculty and Other Officers

Elizabeth Adjin-Tettey, LLB (Ghana), LLM (Queen's), LLM (Calgary), DJur (Osgoode), Associate Professor
Benjamin L. Berger, BA (Alberta), LLB (UVic), LLM (Tori), Assistant Professor
John Borrows, BA (Tori) MA (Tori), LLB (Tori), LLM (Tori), DJur (Osgoode), Professor
Gillian Calder, BA (UBC), LLB (UBC), Diploma in University Teaching (UNB), LLM (Osgoode), Assistant Professor
Neil A. Campbell, BA (Tori) (UBC), LLB (UVic), MLS (UBC), Associate Professor and Law Librarian
James L. Cassels, BA (Car), LLB (Western), LLM (Calgary), of the Bar of British Columbia, Professor. On leave
Donald G. Casswell, BSc (Tori), LLB (York), LLM (Tori), of the Bar of Ontario, Professor
M. Cheryl Crane, BA (Sask), LLB (Sask), LLM (Cantab), of the Bar of Saskatchewan, Associate Professor
Maneecha Deckha, BA (McGill), LLB (Tori), LLM (Calgary), Assistant Professor
Gerard A. Ferguson, BA (St Patrick's), LLM (Ott), LLM (NY), of the Bar of Ontario, Professor
Hamar Foster, BA (Queesn), MA (Sus), LLB (UBC), MJur (Auck), FR HistS, of the Bar of British Columbia, Professor Emeritus
Judie Fudge, BA (McGill), MA (York), Grad. Dip. (Ott), DPhil (Oxford), Professor
Glenn Gallins, QC, BA (Wisconsin), MS (Wisconsin), LLB (UBC), LLM (London), Associate Professor and Director of the Law Centre Clinical Legal Education Program
Jim D. Galloway, LLB (Edin), LLM (Harv), Professor
Mark R. Gillen, BCom (Tori), MBA (Alberta), LLB (York), LLM (Tori), Professor
Andrew Harding, MA (Oxford), LLM (Singapore), PhD (Monash), Professor
Kim Hart-Wensley, BA (Tori), LLB (UVic), of the Bar of British Columbia, Senior Instructor and Associate Dean of Law
Robert G. Howell, LLB (Well), LLM (Ill), of the Bar of New Zealand, Professor
Rebecca Johnson, BMus (Calg), MBA (Alberta), LLB (Alberta), LLM (Mich), Diploma in University Teaching (UNB), SJD (Mich), of the Bar of Alberta, Associate Professor
John R. Kilcoyne, LLB (UVic), LLM (Yorke), of the Bar of British Columbia, Associate Professor
Freya Kodor, BA (McGill), LLB (UVic), LLM (York), PhD (York), Assistant Professor
Hester A. Lessard, LLB (Dal), LLM (Calgary), Associate Professor
Maureen A. Maloney, LLB (Warw), LLM (Tori), of the Bar of British Columbia, Professor, Director of the Institute for Dispute Resolution
Theodore McDorman, BA (Tori), LLB (Dal), LLM (Dal), of the Bar of Nova Scotia, Professor
R. Michael M’Gonigle, BA (UBC), LLB (Tori), MSc (LSE), LLM, JSD (Yale), of the Bar of British Columbia, Professor and Chair in Environmental Law and Policy
Andrew Newcombe, BSc (Hons) (King's College), LLB (UVic), LLM (Tori), Assistant Professor
Martha O'Brien, BA (UVic), LLB (UVic), LLM (Université Libre de Bruxelles), of the Bar of British Columbia, Assistant Professor
Andrew J. Petter, QC, LLB (UVic), LLM (Cambridge), of the Bar of Saskatchewan, Professor and Dean of Law
Andrew J. Pirie, BA (Wat), LLB (Dal), LLM (Well), of the Bar of Ontario, Associate Professor
Heather Raven, BA, LLB (UBC), of the Bar of British Columbia, Senior Instructor
Chris Tollefsen, BA (Queen's), LLB (UVic), LLM (Osgoode), of the Bar of British Columbia, Associate Professor
Mary Anne Waldron, BA (Brandon), LLB (Man), LLM (UBC), of the Bar of British Columbia, Professor. On leave
Jeremy Webber, BA (UBC), LLB (McGill), LLM (Osgoode), Professor

Visiting, Adjunct and Cross-listed Appointments

Claire Abbott, BFA, LLB (UVic), Special Projects Coordinator
April D. Katz, BA, LLB (Man), of the Bar of British Columbia. Co-operative Legal Education Coordinator
Yvonne M. Lawson, BA (McGill), Administrative Officer
Richard McCue, BCom (UVic), Systems Administrator
Jennifer Moroskat, BSc (Alberta), Career Development Officer
Anne Pappas, BA, BEd, LLB (Windsor), Barrister and Solicitor of Osgoode Hall, Development and External Relations Officer
Janet L. Person, BBA (S Fraser), Admissions Officer

Visiting, Adjunct and Cross-listed Appointments

Adrian Brooks, BA (UVic), LLM (Osgoode), of the Bar of British Columbia, Adjunct Professor
R. C. (Tino) Di Bella, BA (UVic), LLB (UVic), of the Bar of British Columbia, Adjunct Professor
Jon Festinger, LLB (McGill), BCL (McGill), Adjunct Professor
Nils Jensen, BASc (Ottawa), LLM (Osgoode), LLM (London) of the Bar of British Columbia, Adjunct Professor
Keith Johnson, BA, BEd (Sask), LLB (Dal), LLM, JSD (Calgary) of the Bar of British Columbia, Professor Emeritus
Colin Macleod, BA (Queens) MA (Dalhousie and Cornell), PhD (Cornell), Associate Professor
Sandra K. McCallum, BEd, LLB (Man), LLM (UBC), of the Bar of British Columbia, Professor Emeritus
Catherine Morris, BA, LLB (Alberta), LLM (UBC), Adjunct Professor
Robert A. Mulligan, BA (UVic), LLM (UBC) of the Bar of British Columbia, Adjunct Professor
William R. McIntryre, QC, LLB (Sask), Honorary Professor
John P. S. McLaren, BA (St Andrews), LLB (London), LLM Michigan, LLD (Calgary), Professor Emeritus
William A. Neilson, BCom (Tori), LLB (UBC), LLM (Harv), of the Bar of British Columbia, Professor Emeritus
Murray Rankin, BA (Queens), LLB (Toronto), LLM (Harvard) of the Bar of British Columbia, Adjunct Professor
Lyman R. Robinson, QC, BA (Sask), LLB (Sask), LLM (Harv), of the Bar of British Columbia, Professor Emeritus
Calvin Sandborn, BA (Calif), LLB (UBC), Adjunct Professor
Jim Tully, BA (UBC), PhD (Cambridge), Adjunct Professor
Donovan W. M. Waters, QC, FRSC, BA (Oxon), BCL (Oxon), MA (Oxon) PhD (London), DCL (Oxon), LLD (UVic), of the Bar of England and the Bar of British Columbia, Professor Emeritus
E. Jack Woodward, BA (UBC), LLB (UVic), of the Bar of British Columbia, Adjunct Professor

General Information

The Faculty of Law offers a three-year program leading to the Bachelor of Laws (LLB) degree. The Faculty's LLB program qualifies students for articles and the practice of law in all provinces and territories except Quebec.

The Faculty also offers the following programs:
- Concurrent LLB/Master of Business Administration
- Concurrent LLB/Master of Public Administration
- Concurrent LLB/Master of Arts in Indigenous Governance
- LLB/BCL (Civil Law Degree Graduates)

Co-operative Education Programs

Please, see page 159.

Application for Admission

Faculty calendars and information concerning admission are available from the Law Admissions Office. Application forms are available for download on our website at <www.law.uvic.ca>.

All applications must be submitted by February 1. However, applicants in the Regular category
are 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: lawadmissions@uvic.ca
Web: <www.law.uvic.ca>

ADMISSION TO THE FIRST-YEAR PROGRAM

Regular Applicants

To be considered for admission to the Faculty of Law, regular applicants must:

- present proof of having received, with standing satisfactory to the Faculty of Law, a degree from the University of Victoria or an equivalent degree from a recognized college or university; or
- present proof of having completed, with standing satisfactory to the Faculty of Law, at least the first three years (45 units) of a program leading to a degree at the University of Victoria, or the equivalent of a recognized institution.

In addition, each applicant must submit a Law School Admission Test (LSAT) score that is not more than five years old and satisfy such other requirements as may be prescribed from time to time.

Determination of Admissibility

Admission decisions are primarily determined by a candidate's pre-law academic record and Law School Admission Test (LSAT) score. Where an applicant has multiple LSAT scores, the highest score is considered. A preliminary index number is calculated using an applicant’s Grade Point Average (weighted 70 percent) and LSAT score (weighted 30 percent). Added to this number is an assessment of the applicant’s extra-curricular activities, community involvement, work experience and personal characteristics.

Special Access Applicants

To qualify under the Special Access category, an applicant’s academic achievements must have been significantly delayed, interrupted or adversely affected by:

- cultural background, economic circumstances, medical or learning disability or other relevant factors; or
- family or similar responsibilities and the consequent need to attend to these responsibilities or to maintain employment.

Selection from qualified Special Access applicants will be made on the basis of the applicant’s:

- achievements in occupational endeavours, and community, public service and cultural activities that indicate an ability to succeed in law school;
- academic performance in any educational or training programs or courses; and
- LSAT score.

An applicant who has not completed the minimum academic requirements for admission in the Regular category should demonstrate why it would be unreasonable to expect the applicant to complete the minimum academic requirements prior to the commencement of law school.

Applicants who have no post-secondary education at the university or college level are very rarely admitted. Any such applicant must demonstrate the ability to write effectively at a law school level.

Aboriginal Applicants

The Faculty of Law desires that the number of people of First Nations, Metis and Inuit backgrounds among the ranks of the legal profession increase substantially and, accordingly, encourages inquiries and applications from Aboriginal people.

Applications from Canadian Aboriginal people will be considered on an individual basis, taking into account such factors as academic performance, results of the LSAT, employment history, letters of reference, and past, present and future connection with the Aboriginal community. Applicants with less than three academic years of post-secondary education are rarely offered admission. If an applicant’s academic background makes it appropriate, the Admissions Committee may make an offer of admission conditional upon successful completion of the Program of Legal Studies for Native People, conducted by the Native Law Centre at the University of Saskatchewan. The Faculty fully endorses this program, and considerable weight is placed upon the evaluation submitted by its director. For more complete information concerning the Program of Legal Studies for Native People, please contact:

The Director
Program of Legal Studies for Native People
Native Law Centre
University of Saskatchewan
101 Diefenbaker Place
Saskatoon, Saskatchewan
Canada S7N 5B8
Phone: (306) 966-6189
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 score of 80 out of a possible 120, with no less than 20 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 jointCommon 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.

Visiting Students

Applications from law students currently attending another university who wish to visit the Faculty for one or two terms will be considered. A letter of permission from the student’s current law school is required prior to enrollment in UVic’s regular fall or spring terms as well as the summer session. If accepted, a visiting student’s course program must be approved by the Deans of both law schools or their designates.

Applicants with Foreign and Civil Law Degrees

The Faculty of Law will consider applicants who have a Canadian Civil Law degree or credentials in law from universities outside Canada. Such applicants should arrange to have their academic...
Students are responsible for ensuring that:

- their courses have been chosen in conformity with Calendar regulations;
- their registration is complete and accurate;
- there is no discrepancy between the program and the approved program recorded in the Dean's Office of the Faculty of Law;
- any changes to their mailing address, email address or telephone number are promptly updated on their student record through the UVic Records Services website.

Students may not take courses for which they have not registered. Students may not register in a course for which they have previously received credit without the consent of the Associate Dean. A letter mailed to a student's address as currently on record in the Dean's Office of the Faculty of Law or Records Services will be deemed adequate notification to the student for all matters concerning the University.

Registration For Both Terms in Winter Session

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

Changes in Registration

Courses may not be changed after the designated add/drop period at the start of each term without permission of the Associate Dean. Failure to drop a course which a student does not intend to take will result in a failing grade.

Please refer to 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 as the Senate, on the recommendation of the Faculty, may wish to apply.

Commission of Registration

In addition to completing the requirements for admission (see page 154), 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 40); and
4. classes in the course have begun and the student is in attendance.

The Faculty reserves the right to cancel the registration in a course of any student who fails to attend that course within seven calendar days of the commencement of the term, or of any student who is not able to demonstrate that all course prerequisites have been met.

A student who for medical or compassionate reasons is unable to attend a course during the first seven calendar days of the term may apply to the Associate Dean within that time to confirm registration in that course, and the Associate Dean may confirm the registration.

Student Responsibility

Students are responsible for ensuring that:
- their courses have been chosen in conformity with Calendar regulations;
- their registration is complete and accurate;
- there is no discrepancy between the program they are following and the approved program recorded in the Dean's Office of the Faculty of Law; and
- any changes to their 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. A letter mailed to a student's address as currently on record in the Dean's Office of the Faculty of Law or Records Services will be deemed adequate notification to the student for all matters concerning the University.

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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 as the Senate, on the recommendation of the Faculty, may wish to apply.

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 Associate Dean's office within 21 days after the release of grades by the Associate Dean's Office.
2. Where a final grade is based wholly or in part on any written materials other than an examination paper, such materials will, for the purpose of these procedures, be treated as if they are examination papers.

Standing

Standing in First, Second or Third Year

To be granted standing in first, second or third year, a student must:
1. pass all of the courses in the student's approved program for the year without any N, F, O, or W 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 course, 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 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 the date the request is not confirmed within that 10-day period, it will be deemed to have been withdrawn.

e) Special Examinations for the year are normally written in early August.

f) Students will be advised in writing with respect to procedures to be followed in such cases.

g) The mark obtained on a Special Examination or other academic requirement written pursuant to this regulation will replace only the mark the student had or would have had on that component of the course.

**CREDIT FOR COURSES OUTSIDE THE FACULTY**

Students may, in the second and third years, take courses in other departments and schools in the University for credit in the Faculty of Law. Students may not take Summer Studies courses for credit unless they are enrolled full-time in the Law Faculty academic summer term, in which case Faculty regulations respecting approval and unit limit for those courses will apply as if the course were taken in a fall or winter term of the LLB Program.

Students may take up to 3 units of such courses over the two academic years.

Students must obtain the approval of the Dean of Law or the Dean's nominee and the outside instructor in advance of registration for any such course. The approval of the Dean or the Dean's nominee is based upon criteria set out in Faculty regulations.

Students enrolled in the concurrent LLB/MPA program may take an additional 3 units of MPA 598 in lieu of 3 units of LAW 399.

Students enrolled in the concurrent LLB/MAIG program should refer to the specific Program Requirements for information on taking courses outside the Faculty.

Students enrolled in the concurrent LLB/MPA program may take an additional 3 units of MBA 398 in lieu of 3 units of LAW 399.

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### Faculty of Law Grading

<table>
<thead>
<tr>
<th>Passing Grades</th>
<th>Grade Point Value</th>
<th>Percentage Value</th>
<th>Narrative Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>9</td>
<td>90-100%</td>
<td>Exceptional, outstanding and excellent performance, normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.</td>
</tr>
<tr>
<td>A</td>
<td>8</td>
<td>85-89%</td>
<td>Very good, good and solid performance, normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.</td>
</tr>
<tr>
<td>A-</td>
<td>7</td>
<td>80-84%</td>
<td>Satisfactory, or minimally satisfactory performance. These grades indicate a satisfactory performance and knowledge of the subject matter.</td>
</tr>
<tr>
<td>B+</td>
<td>6</td>
<td>75-79%</td>
<td>Marginal Performance. A student receiving this grade demonstrates a superficial grasp of the subject matter.</td>
</tr>
<tr>
<td>B</td>
<td>5</td>
<td>70-74%</td>
<td>Complete (pass). Used only for 0-unit courses and those credit courses designated by the Senate. Such courses are identified in the course listings.</td>
</tr>
<tr>
<td>B-</td>
<td>4</td>
<td>65-69%</td>
<td>Unsatisfactory performance.</td>
</tr>
<tr>
<td>C+</td>
<td>3</td>
<td>60-64%</td>
<td>Did not write examination or complete course requirements by the end of term or session; no supplemental. In exceptional circumstances, the Faculty may authorize the removal of an N grade and the replacement of it by another grade. In accordance with Senate Regulations, an instructor shall advise students at the beginning of term of the circumstances under which they would be assigned a final grade of N.</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>55-59%</td>
<td>Deferral examination granted. Used only for courses in which a deferment of course work has been granted because of illness, or other circumstances.</td>
</tr>
</tbody>
</table>

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**2006-07 UVIC CALENDAR**
REPETITION OF A YEAR
A student who fails to obtain standing in any year may apply to the Faculty for permission to repeat the year.

PART-TIME STUDENTS
A student who is admitted as a part-time student may not become a full-time student until the student has achieved standing in first year. In order to continue as a part-time student after achieving standing in first year, a student must demonstrate to the Faculty at the beginning of each academic session that he or she continues to be unable to attend on a full-time basis because of health reasons or physical disability, or exceptional family or financial hardship.

A student who achieved standing in first year as a full-time student may apply to continue his or her studies as a part-time student. The Faculty may allow a limited number of these students to enroll as part-time students upon being satisfied that a student is unable to continue as a full-time student because of health reasons, physical disability, family or financial hardship.

REGULATIONS CONCERNING STUDENT CONDUCT AND COMPETENCE IN CLINICAL PROGRAMS
For the purposes of these regulations, clinical programs include:
- LAW 349: Business Law Clinic;
- LAW 350: Law Centre Clinical Program; and
- LAW 353: Environmental Law Clinic.

Where, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in a clinical program has adversely affected or may adversely affect:
- clients of the program;
- personnel, including students, associated with the program; or
- the program's relationship with the judiciary, members of the bar or other persons involved with or affected by the activities of the program:
The Director of that program may restrict the activities of the student as he or she deems advisable, and the Dean, upon the request of the Director, may require the student to withdraw temporarily from the program pending the receipt of a report on the conduct or lack of competence of the student.

After giving the student an opportunity to be heard, the Faculty may re-instate a student who has been obliged to withdraw temporarily from a program or require the student to withdraw permanently from the program if the Faculty is satisfied that the student's conduct or lack of competence may affect members of any of the groups identified in the preceding paragraph.

Where the Faculty requires a student to withdraw from a clinical program, a grade of N will be entered on the student's academic record and transcript.

Law Program Requirements

FIRST YEAR PROGRAM
All courses in the first-year program are compulsory. Full-time students must enroll in all courses in the first-year program.

In the first academic year of attendance, part-time students must enroll in courses amounting to not fewer than 7 units of courses including:
- LAW 104 (1.5) The Law, Legislation and Policy
- LAW 106 (1.0) Legal Process
- LAW 110 (1.5) Legal Research and Writing

Part-time students must complete the remainder of the compulsory first-year program in the second academic year of attendance.

SECOND- AND THIRD-YEAR PROGRAMS
The Faculty of Law may designate courses as compulsory, prerequisite or recommended courses.

In each of the second and third years of the program, a student will enroll in a course program which has been approved by the Dean or the Dean's nominee.

- An approved program for a full-time student is one in which a student is enrolled in courses totalling not fewer than 14.5 units and not more than 16.5 units over the academic session (that is, during the 30-week period).

- An approved program for a part-time student is one in which a student is enrolled in courses totalling not fewer than 7 units and not more than 14.5 units, over the academic session (that is, during the 30-week period).

Without the permission of the Dean or the Dean's nominee, a full-time student may not carry fewer than 7 units or more than 8.5 units in one term per session (that is, during the 15-week period).

Without the permission of the Dean or the Dean's nominee, a part-time student may not carry fewer than 3 units or more than 7 units in one term per session (that is, during the 15-week period).

In order to complete the program requirements, a student must enroll in approved programs for the second and third years which amount to a total of not fewer than 29 units.

CONCURRENT LLB/MAIG PROGRAM
A limited number of students who apply and are accepted into both the Law Faculty LLB and Human and Social Development Faculty's Master of Arts in Indigenous Governance programs may earn both degrees concurrently with modified requirements for each. Students should indicate in both applications that they are applying for the concurrent degree program. For information on the MAIG requirements, please see the UVic Graduate Calendar.

The two degrees, if pursued consecutively, would normally require five years of study, whereas the concurrent degree may be completed in 4 years.

The first year of the concurrent degree program will be devoted entirely to the first-year LLB curriculum.

A minimum of 53 units of credit will be required to complete the concurrent degree program. The requirements for the concurrent program are as follows:
- the first year of the LLB program (15 units);
- 23 additional units of law courses, including LAW 340: Indian Rights, Land, and Government; LAW 307(B): Civil Procedure; LAW 309: The Law of Evidence; and the Law Faculty's major paper requirement;
- either 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.

CONCURRENT LLB/MBA DEGREE PROGRAM
A limited number of students who apply and are accepted into both the Law Faculty LLB and Business Faculty MBA programs may earn both degrees concurrently with modified requirements for each. The two degrees normally require five years of study, whereas concurrent degrees may be completed in four years. For information on the MBA program, please see the UVic Graduate Calendar.

To complete the LLB portion of the program, a student must complete the entire first-year law curriculum. After that, the LLB portion of the program requires a student to complete 29 units of law courses, or law-approved courses, including the following:
- 3 units of MBA courses in lieu of the Law Faculty's 3-unit, non-Law course option in other faculties;
- MBA 598: Research Report (3.0) in lieu of LAW 399 (3.0); and
- 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, 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;
- ADMN 598 (3.0) in lieu of 3 units of LAW 399.

Students enrolled in the concurrent LLB/MPA program are subject to the Law Faculty regulations (modified where necessary) in regard to their LLB course requirements. Grade Point Averages for the purposes of awarding Law Faculty prizes and scholarships will be calculated only on Faculty of Law courses.

**LLB for Civil Law Graduates**

The Faculty of Law at the University of Victoria offers a program under which a limited number of Civil Law graduates from Quebec may, through subsequent studies, be awarded the LLB degree.

Applicants for this program must commence their studies at the University of Victoria within two years of completing their Civil Law degree. Students will be admitted at the discretion of the Admissions Committee. The following are the academic requirements:

- A student who has completed the requirements of a Civil Law degree at a Canadian law school may obtain an LLB from the University of Victoria by successfully completing an aggregate total of 22.5 units of courses at the University of Victoria Faculty of Law.
- Courses previously taken by the student at the University of Victoria as part of an Exchange Term Program may be included in this total.
- Students in the program must complete, or establish that they have taken the equivalent as part of their Civil Law degree, the following courses:
  - Contracts;
  - Property;
  - Torts;
  - Criminal Law;
  - Constitutional Law; and
  - Law Legislation and Policy.
- Students in the program must also complete, or establish that they have taken the equivalent as part of their Civil Law degree, any upper-year courses that are designated as compulsory.
  - Students in the program must complete the Faculty's major research paper requirement.
  - Students in the program must not take courses towards their LLB that substantially duplicate courses that they have taken towards their Civil Law degree.
  - Students in the program may not (as part of their program) take courses at the University of Victoria outside the Faculty of Law and are not eligible for exchange terms outside the Faculty.
  - Students in the program must otherwise comply with all of the University of Victoria academic regulations and requirements (mutatis mutandis).

**Co-operative Education Program**

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

**Admission to the Law Co-op Program**

Students who are currently registered in first-year Law at the University of Victoria can apply to the Law Co-op Program. Admission to the Faculty does not guarantee admission to the Law Co-op Program. Demand for Co-op consistently exceeds the number of available spaces. As a result, students who apply for admission to the program are selected through a lottery.

**Program Requirements**

A student who enrolls in the Law Co-op Program must satisfactorily complete a minimum of three Co-op work terms in order to receive a “Co-op” designation on their transcript.

Co-op work terms will normally alternate with academic terms. With the permission of the Law Co-op Coordinator, a student may be permitted to make a maximum of two consecutive Co-op work terms or two consecutive academic terms.

Students may not obtain credit for any of their Co-op work terms on the basis of work experience obtained prior to their enrolment in the Law Faculty.

The performance of students registered in a Law Co-op work term will be graded as COM, N, or F.

The requirements for a pass grade in a Co-op work term include:

1. completion of at least 13 weeks of employment;
2. a satisfactory evaluation of the student's performance in the Co-op work term by the Law Co-op Coordinator; and
3. submission by the student of a satisfactory Co-op work term report.

A student who does not fulfill these requirements will be given an F or N grade. Students who fail a work term will normally be required to withdraw from the Co-op Program.

**Regulations Concerning Student Conduct and Competence on Co-op Work Terms**

Where there are reasonable grounds to believe that the conduct or lack of competence of a law student enrolled in the Law Co-op Program has adversely affected, or may adversely affect, the interests of an employer or the Law Co-op Program, the Dean or Coordinator may require a student to withdraw temporarily from a work term, or from the Law Co-op Program, pending the receipt of a report on the conduct or lack of competence of the student.

Where the Dean or the Coordinator has required a student to temporarily withdraw and has not reinstated the student within a reasonable period of time, the Faculty members of the Co-op Committee, after giving the student an opportunity to be heard, shall consider whether the temporary withdrawal should be lifted or made permanent. The Faculty members of the Co-op Committee may reinstate the student or, if they are satisfied that the student's conduct or lack of competence has adversely affected or may adversely affect the interests of an employer or the Law Co-op Program, they may require the student to withdraw permanently from a work term or from Law Co-op.

Where a student is required to withdraw from the Law Co-op Program, a grade of N will be entered on the student's academic record and transcript.

**Voluntary Withdrawals from Law Co-op**

A student may withdraw from Law Co-op before the first work term registration without a withdrawal appearing on the student's transcript. If a student withdraws from Law Co-op at any other time after registration in the first work term, a withdrawal will be entered on the student's transcript.

Where a student is registered in a Law Co-op work term and the student has commenced employment with an employer, the student will only be permitted to withdraw from the work term with the consent of the Coordinator. Withdrawal from such a work term without the Coordinator's consent, may result in the student being required to permanently withdraw from the Law Co-op Program. If the Coordinator consents to the withdrawal, the registration in that work term shall be cancelled. If the cause of the withdrawal is not attributable to the student, the Coordinator may recommend refund to the student of the fee for that Co-op work term.

**Appeals**

Students with concerns related to the Law Co-op Program or requests for authorization to change their program must first consult with the Coordinator.

If a student is not satisfied with a decision of the Coordinator, the student may appeal the decision in writing to the Faculty members of the Co-op Committee. The Faculty members of the Co-op Committee shall consider appeals from students. The Faculty members shall request written submissions from the student and the Coordinator and may invite the student and the Coordinator to make oral submissions to the Committee. The Committee will communicate their decision in writing to the student and the Coordinator in a timely fashion.

If a student or the Coordinator is not satisfied with the decision of the Co-op Committee, the student or the Coordinator may appeal the decision of the Committee to the Director, Co-operative Education Program.

If the student is not satisfied with the decision of the Director, Co-operative Education Program, the student may appeal to the Senate Standing Committee on Appeals, where the matter under appeal falls within that Committee's jurisdiction. This appeal process is governed by the Regulations on Appeals, page 39. Decisions of the Senate Committee on Appeals are final and may not be appealed to the Senate.
Faculty of Science

The Sciences encompass the various disciplines concerned with the study of the terrestrial and cosmic worlds and their phenomena. The study of science introduces students to methods of enquiry and approaches to learning that emphasize systematic observation, experimentation and critical thinking. Through the disciplines of Astronomy, Biochemistry, Biology, Chemistry, Earth and Ocean Sciences, Mathematics, Microbiology, Physics and Statistics, students have opportunities to engage in scientific discovery, to enhance their knowledge and comprehension of the universe, and to prepare themselves for a diverse range of stimulating careers.
General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Science comprises the Departments of Biochemistry and Microbiology, Biology, Chemistry, Mathematics and Statistics, and Physics and Astronomy, and the School of Earth and Ocean Sciences.

Each department in the Faculty offers programs of varying levels of specialization in one or more disciplines leading to the degree of Bachelor of Science (BSc):

- an Honours Program which involves a high level of specialization in a discipline and requires 18 to 36 units in that discipline at the 300 or 400 level
- a Major Program which requires less specialization, usually 15 units in a discipline at the 300 or 400 level
- a General Program which requires 9 units at the 300 or 400 level in each of two disciplines

The disciplines in the Faculty and the programs leading to the BSc are shown in the table below. Several of the disciplines may be taken in combination with each other. Details of the combinations offered are presented under the entries for the individual departments.

Students can also combine a program in the Faculty of Science with a program offered in another faculty (see Interfaculty Program, page 164).

The Faculty of Science does not offer a Bachelor of Arts degree. However, students may combine a Science program with a non-Science program in an Interfaculty BA. This interfaculty BA degree is awarded by the non-Science faculty.

In most cases, it is possible for students to choose their courses for the first two years so that they can postpone to the end of second year their choice of the program they wish to follow.

ACADEMIC ADVICE AND PROGRAM PLANNING

Academic Advising Centre

Students who have been admitted to or plan to enter the Faculty of Science can seek academic advice or information about the programs in the Faculty from the Academic Advising Centre, A205, University Centre.

Departmental Advising

Each academic department has advisers generally available throughout the year who can give advice about the courses and programs offered by their department.

Students who are not in attendance at the University when they want advice from a department should contact the Chair of the department for an appointment before coming to the campus.

Transfer Advising

Students planning to transfer to another faculty or university from the UVic Faculty of Science should consult with advisers in the other faculty or university before they make their choice of courses in the Faculty of Science.

Students planning to enter the Faculty of Education from the Faculty of Science should seek advice from the Education Advising Centre.

Students planning to transfer to the Faculty of Engineering to complete a degree in Computer Science should seek advice from the Department of Computer Science.

Record of Degree Program

All students continuing in the Faculty of Science must file a Record of Degree Program with the Academic Advising Centre. Please see Declaring a Program, page 162, for details.

AVAILABILITY OF COURSES TO STUDENTS IN OTHER FACULTIES

Generally, courses offered in the Faculty of Science are open to students in other faculties who have satisfied any prerequisite courses. However, some courses or sections are open only to students in the Faculty of Science or to students in specific programs. Restrictions on enrollment are included under individual course descriptions.

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

DEFINITION OF A SCIENCE COURSE

A science course is any one of the following:

- a course offered in the Faculty of Science, except:
  - a course designated as not being for credit in the Faculty of Science
  - a course designated as being for credit only in a non-science program
- any course offered by the Department of Computer Science and all Software Engineering courses (SENG)
- a course that a student has taken at another institution for which the student has received transfer credit applicable to the categories defined above or for which the student has received transfer credit for a specified number of science units that are not equated to specific science courses

LIMITATION ON ENROLLMENT

Admission to UVic and the Faculty of Science is not a guarantee of placement in particular programs or courses. Departments may limit enrollment for a variety of reasons, and admission requirements may be raised.

Faculty of Science Programs

<table>
<thead>
<tr>
<th>Honours Program</th>
<th>Major Program</th>
<th>General Program</th>
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<tbody>
<tr>
<td>Astronomy</td>
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<tr>
<td>Biochemistry</td>
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<td>Chemistry</td>
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<td>Earth and Ocean Sciences</td>
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<td>Mathematics</td>
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<td>Microbiology</td>
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<td>Physics</td>
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<tr>
<td>Statistics</td>
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</tbody>
</table>

Note: All Honours and Major programs may be taken with a Co-operative Option.
Students who are considering completing their degree requirements at another institution should note that generally other institutions cannot send transcripts of their academic records to Records Services at UVic in time for Records Services to be able to determine a student's eligibility to graduate at the earliest convocation. Such students who complete their degree requirements in the Spring will generally graduate in the Fall and those who complete their degree requirements in the Fall will generally graduate in the Spring.

Students authorized to attend another institution who accept a degree from that institution surrender the right to a UVic degree until they have satisfied UVic's requirements for a second bachelor's degree, page 39.

Credit for Courses in Other Faculties
All courses in other Faculties are acceptable for use as elective credit in the Faculty of Science, if the regulations of the department offering the courses permit and prerequisites are met.

Substitution of Elective Credit for Required Courses:
With the consent of the department offering the student's degree, and with the permission of the Assistant Dean, a student may substitute up to 3 units of 300 or 400 level credit for required courses at the 300 and 400 level in a Faculty of Science degree program; such permission is invalidated if a student withdraws from the degree program of the department that provided the consent.

Students should review individual department entries for information on the use or substitution of elective credit.

Graduation Standing
The graduation standing of a student to the Faculty of Science is determined in accordance with the University regulations on page 37 and, for a student enrolled in an Honours Program, in conjunction with any Honours requirements specified by the departments concerned.

The designation "With Distinction" will be placed beside the names in the list of graduates distributed at the graduation ceremony, recorded on the certificates of graduation and recorded on the transcripts of students who:
1. have achieved a graduating average of at least 6.5
2. for students enrolled in Honours Programs, have satisfied any additional requirements specified by their Department

Students who complete an Honours Program with a graduating GPA of at least 6.5 but who fail to meet additional requirements of the department to receive the designation "With Distinction" may change their programs in order to graduate from the Major Program with the designation "With Distinction." Such program changes must be made in writing at the Academic Advising Centre.

If a student graduates in a Double Honours Program or in a Joint Honours and Major Program, then the student's eligibility for the designation "With Distinction" will be determined for each of the two programs. The student may, therefore, graduate "With Distinction" in one program and not in the other program.

In cases of plagiarism and cheating, the Faculty of Science reserves the right to recommend to Senate the withdrawal of the “With Distinction” designation in addition to the penalties outlined in the University Policy on Academic Integrity, page 32.

Declaring a Program
All students continuing in the Faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate. Note: Students should be aware that limitations may apply to proposed combinations of the following: concurrent degree programs, degree/diploma combinations and degree/minor options.

Time Limit for Degree Completion
Although the Faculty of Science imposes no time limit for the completion of a General or Major program, a department in the Faculty may, with the approval of the Faculty, impose stated time limits for a General or Major program that it offers. Normally, students who have not completed their degree programs within five calendar years of first registration will be required to satisfy any revisions that may have been made to the program requirements since they first registered.

A student in an Honours Program is expected to complete the program in four years or, for a student in the Co-operative Education Program, in five years. A student who wishes to take longer to complete an Honours Program should seek prior approval from the Assistant Dean through the Chair of the department concerned. Approval is not automatic.
Faculty Program Requirements

Requirements Common to All Bachelor’s Degrees

A student may proceed to a BSc degree, normally in one of three programs: Honours, Major or General. Combined Honours and Major programs are also offered (see below).

Each candidate for a Bachelor’s degree must:
1. include in the first 15 units presented for the degree not more than 9 units from any single department, and at least 3 units from each of two other departments.
2. include in the next 15 units presented for the degree not more than 12 units from any single department, and at least 3 units from one other department.
3. have satisfied the Undergraduate English Requirement, page 29.
4. have received credit for at least 21 units of courses at the 300 or 400 level, of which at least 18 units must have been taken at UVic.
5. have received credit for at least 60 units of university-level courses numbered 100 and above, of which normally at least 30 units have been taken at UVic.
6. have received credit for at least 33 units of science courses (see Definition of a Science Course, page 161).
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 Mathematics
- Biochemistry Microbiology
- Biology Physics
- Chemistry Statistics
- Earth Sciences

Combined Honours Programs

- Biology and Earth Sciences
- Biology and Psychology
- Chemistry and Earth and Ocean Sciences
- Chemistry and Mathematics
- Computer Science and Mathematics
- Computer Science and Statistics
- Geography and Earth Sciences (Geosciences)
- Geography and Earth Sciences (Geotechnics APEGBC)
- Mathematics and Statistics
- Physics and Astronomy
- Physics and Biochemistry
- Physics and Computer Science
- Physics and Earth Sciences (Geophysics)
- Physics and Mathematics
- Physics and Ocean Sciences (Physical Oceanography)

Double Honours Program

With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Science, both leading to the BSc degree.

Interfaculty Double Honours Program

If a student elects to complete an Honours Program in the Faculty of Science and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student’s Record of Degree form. If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program

A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Science and both leading to the BSc degree. The Honours Program will be listed first on the student’s Record of Degree form (PADRE).

2006-07 UVIC CALENDAR

Interfaculty Joint Honours and Major Program

A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student’s Record of Degree form (PADRE), and students will be subject to the regulations of the faculty in which they are registered.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Major Program

The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program 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 Mathematics
- Biochemistry Microbiology
- Biology Physics
- Chemistry Statistics
- Earth Sciences

Combined Major Programs

- Biochemistry and Chemistry
- Biology and Earth Sciences
- Biology and Psychology
- Chemistry and Earth and Ocean Sciences
- Chemistry and Mathematics
- Chemistry and Microbiology
- Computer Science and Geography
- Computer Science and Mathematics
- Computer Science and Psychology
- Computer Science and Statistics
- Geography and Earth Sciences (Geosciences)
- Geography and Earth Sciences (Geotechnics APEGBC)
- Mathematics and Statistics
- Physics and Astronomy
- Physics and Biochemistry
- Physics and Computer Science
- Physics and Earth Sciences (Geophysics)
- Physics and Ocean Sciences (Physical Oceanography)
Double Major Program
A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Science, both leading to the BSc degree, except for the following combinations: Biochemistry with Microbiology; Astronomy with Physics; and Mathematics with Statistics.

Combined Major with a Major Program
A student can complete one of the Combined Major Programs listed above with another Major Program (in this faculty or in another faculty), but the discipline of the Major Program must not be either of the disciplines of the Combined Major Program.

Interfaculty Program
A student may elect to complete an Interfaculty Double Major or a Joint Honours and Major Program. In a Double Major Program, if one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

In a Joint Honours and Major Program, the Honours Program is listed first on the student’s Record of Degree form (PADRE), and students will be subject to the regulations of the faculty they are registered in. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

BA or BSc Major in Environmental Studies
A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.

BA in Mathematics or Statistics
Students who wish to obtain a BA in Mathematics or Statistics should register in either the Faculty of Humanities or the Faculty of Social Sciences, and complete the requirements common to all bachelor's degrees in that faculty.

GENERAL PROGRAM
The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.

Requirements of the General Program
A student in a General Program must satisfy the requirements common to all bachelor's degrees in the designated faculty determined by the first subject area listed on the Record of Degree Program form (PADRE).

The General Program requires:
• Completion of 9 units of course work at the 300 and 400 level in each of the two disciplines, as specified in the General Program requirements of the departments concerned
• At least 6 of the 9 units in each discipline must be completed at UVic

A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in 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
Biological Chemistry
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 211)
Film Studies (see page 211)
Indigenous Studies (see page 212)
Music (see page 103)
Professional Writing in Journalism and Publishing (see page 110)

MINOR PROGRAM
A Minor is an optional program that allows students to study in an area outside their Honours, Major or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned. Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.

• No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.
• If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level department requirements for a student’s Honours or Major Program. Corequisite courses in other programs may be counted towards the Minor.
• If the Minor requires at least 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 213)
European Studies (see page 212)
Religious Studies (see page 212)
Indigenous Studies (see page 212)

Student-Designed Minor
Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:
• Include courses from at least two departments, with a minimum of 3 units from each department
• Consist of courses taken only at UVic
• Have structure, coherence and theme; it cannot consist of unrelated courses
• Be approved by the Chair/Adviser of the departments concerned
• Be approved by the Assistant Dean of Humanities, Science and Social Sciences
• Be declared by the end of the student's third year

Students must discuss their proposed Student-Designed Minor with Department Chairs/Advisers before submitting their request to the Assistant Dean. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

COOPERATIVE EDUCATION PROGRAMS
Refer to page 44 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 162, a student must have a graduating GPA of at least 3.5 in order to graduate with Co-operative Education notation.

Students may withdraw from the Co-operative Education Program at any time and remain enrolled in a Major or an Honours Program.

The Faculty of Science offers Co-operative Education Programs in Biology, Biochemistry and Microbiology, Chemistry, Earth Sciences, Mathematics and Physics. The details of the programs are provided under individual department entries.

DEPARTMENT OF BIOCHEMISTRY AND MICROBIOLOGY
Claire Capples, BSc (UVIC), MSc (Calgary), PhD (York), Professor and Chair of the Department
Juan Ausin, BSc, PhD (Barcelona), Professor
J. Thomas Buckley, BSc, PhD (McGill), Professor
Robert D. Burke, BSc, PhD (Alta), Professor, Cross-listed with Biology
Sanesh Misra, BSc, MSc (Delhi), PhD (McMaster), Professor
Francis E. Nano, AB (Oberlin), MS, PhD (Ill), Professor
Verner H. Paetkau, BSc (Alberta), MSc, PhD (Wisconsin), Professor
Terry W. Pearson, BSc, PhD (UBC), Professor
Paul J. Romanuk, BSc, PhD (McMaster), Professor
Caroline E. Cameron, BSc, PhD (UVIC), Associate Professor
Stephen Evans, BSc, PhD (UBC), Associate Professor
Caren C. Helbing, BSc (Hons) (Windsor), PhD (Western), Associate Professor
Christopher Upton, BSc, PhD (Lond), Associate Professor
Alisdair Boraston, BSc, PhD (UBC), Assistant Professor
Martin J. Boulanger, BSc, PhD (UBC), Assistant Professor
Perry Howard, BSc (Waterloo), PhD (Toronto), Assistant Professor, Cross-listed with Biology
Barbra Currie, BSc (UBC), Senior Microbiology Laboratory Instructor
John Hall, BSc (UVic), Administrative Officer
Albert Labossiere, Technical Services Manager
Rozanne Paulson, BSc, PhD (Wales), Co-operative Education Coordinator
Glen R. Pryhitka, BSc (UBC), Senior Biochemistry Laboratory Instructor

Visiting, Adjunct and Cross-listed

Brad H. Nelson, BSc (Hons) (UBC), PhD (California), Adjunct Associate Professor
Rozanne Paulson, 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. The Department also offers a concentration in Biochemistry or Microbiology as part of the BSc and BA degree General Programs.

Co-operative Education Programs
Please, see page 167.

**Program Requirements**

**Notes on Course Requirements**

- Courses may be taken in different sequences and in different years from those indicated provided the corequisite and prerequisite requirements are satisfied. However, students must be extremely careful in planning programs that differ from the normal sequence and pay close attention to scheduling conflicts.

- Students who do not take MICR 200A and 200B in their second year, or receive a grade of less than B-- in BIOC 200, may experience delays in graduation.

- Directed studies courses are normally only available to students with a minimum cumulative GPA of 5.0 and fourth-year standing in the Biochemistry or Microbiology programs.

- Students should consult the Department concerning courses offered in a particular year.

- The Department does not offer the E grade and supplemental examinations.

**Honours Programs**

Students who wish to be admitted to one of the Honours programs should apply to the Chair of the Department on completion of their third year. The general requirement for admission to the Honours Program is a GPA of at least 6.0 in the preceding 15 units of coursework. The program must be completed in four academic years.

- 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.

**Honours Co-op/Internship Programs**

To satisfy the requirements for an Honours Co-op/Internship degree, students must maintain a graduating GPA of at least 6.5 and complete four work terms. All coursework (60 units) and four work terms must be completed in five years. If a student fails to meet the standards for the Honours Co-op/Internship degree, but does meet the Major degree with Co-op/Internship designation requirements, the department may recommend the appropriate Major degree. A student may transfer at any time from the Biochemistry and Microbiology Honours Co-op/Internship program to a regular Biochemistry or Microbiology program.

**Biochemistry Program Requirements**

**Honours Program**

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<tr>
<th>Course</th>
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**Third Year**

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UVIC UNDERGRADUATE CALENDAR 2006-07

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Major Program

First Year
ENGL 115 or 135 .......................................................... 1.5
BIOL 190A ................................................................. 1.5
MATH 100, 101, or 102 and 151 .................................. 3.0
CHEM 231, 233A, 233B .............................................. 1.5
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 190A ................................................................. 1.5
MATH 101, 102, or 101 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

Third Year
BIOC 200, 200B .......................................................... 3.0
MICR 200A, 200B ..................................................... 3.0
Other courses .......................................................... 3.0
Total .................................................................... 15.0

Fourth Year
Three of MICR 402, 405, 408; BIOC 438 ............... 4.5
BCMB 406A, 406B .................................................... 3.0
400-level science electives ................................... 3.0
Other Science elective .............................................. 1.5
Other courses .......................................................... 3.0
Total .................................................................... 15.0

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 and 102 ..................................................... 3.0
PIHS 102 or 112, or 120 or 220 .................. 3.0
Other courses .......................................................... 3.0
Total .................................................................... 15.0

Second Year
STAT 255 or equivalent ............................................. 1.5
BIOL 225 ................................................................. 1.5
MATH 213 ................................................................. 1.5
CHEM 231 ................................................................. 1.5
CHEM 235 ................................................................. 1.5
PHYS 200 ................................................................. 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
BIOL 360, 361 ............................................................ 3.0
Other courses .......................................................... 3.0
Total .................................................................... 15.0

Fourth Year
Three of MICR 402, 405, 408; BIOC 438 ............... 4.5
BCMB 406A, 406B .................................................... 3.0
400-level science electives ................................... 3.0
Other Science elective .............................................. 1.5
Other courses .......................................................... 3.0
Total .................................................................... 15.0

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 and 102 ..................................................... 3.0
PIHS 102 or 112, or 120 or 220 .................. 3.0
Other courses .......................................................... 3.0
Total .................................................................... 15.0

Second Year
STAT 255 or equivalent ............................................. 1.5
BIOL 225 ................................................................. 1.5
MATH 213 ................................................................. 1.5
CHEM 231 ................................................................. 1.5
CHEM 235 ................................................................. 1.5
PHYS 200 ................................................................. 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
BIOL 360, 361 ............................................................ 3.0
Other courses .......................................................... 3.0
Total .................................................................... 15.0

Fourth Year
Three of MICR 402, 405, 408; BIOC 438 ............... 4.5
BCMB 406A, 406B .................................................... 3.0
400-level science electives ................................... 3.0
Other Science elective .............................................. 1.5
Other courses .......................................................... 3.0
Total .................................................................... 15.0

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
PIHS 102 or 112, or 120 or 220 .................. 3.0
Other courses .......................................................... 4.5
Total .................................................................... 15.0

Second Year
STAT 255 or equivalent ............................................. 1.5
BIOL 225 ................................................................. 1.5
MATH 213 ................................................................. 1.5
CHEM 231 ................................................................. 1.5
CHEM 235 ................................................................. 1.5
PHYS 200 ................................................................. 1.5
MICR 200A, 200B ..................................................... 3.0
Other courses .......................................................... 3.0
Total .................................................................... 15.0

Third Year
BIOC 300A, 300B .......................................................... 3.0
MICR 302 ................................................................. 1.5
MICR 303 ................................................................. 1.5
Total .................................................................... 15.0

Fourth Year
Two of BIOC 401, 403, 404, 407 .................. 3.0
Three of MICR 402, 405, 408; BIOC 438 ............... 4.5
MICR 499 ................................................................. 3.0
Science elective ....................................................... 1.5
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 MICR or BCMB .............. 3.0
Minimum 21 additional course units .............. 21
Total .................................................................... 30.0

Combined Microbiology and Chemistry Program Requirements

Combined Major in Microbiology and Chemistry

First Year
CHEM 091 and 101, or 101 .................................. 1.5
CHEM 102 ................................................................. 1.5
ENGL 115 or 135 ..................................................... 1.5
MATH 100, 101 .......................................................... 3.0
PHYS 112 ................................................................. 3.0
Electives ................................................................. 4.5
Total .................................................................... 15.0

Second Year
BIOC 200 ................................................................. 1.5
CHEM 212, 213, 222, 231, 235, 245 .................. 9.0
One of MATH 122, 200 (or 205), 201, 233A, 233B, 233C .................................................. 1.5
MICR 200A, 200B ..................................................... 3.0
Total .................................................................... 15.0

Third Year
BIOC 300A, 300B .......................................................... 3.0
BCMB 301A, 301B ..................................................... 3.0
CHEM 324, 335, 353, 362, 363 .................. 7.5
MICR 302, 303 .......................................................... 3.0
Total .................................................................... 16.5

Fourth Year
Two of BIOC 401, 403, 404, 407 .................. 3.0
Three of CHEM 318, 347, 361, 364 .................. 4.5
Two of MICR 402, 405, 408 .................. 3.0
Total .................................................................... 15.0

1. For students with Chemistry 11 and Mathematic 12 or equivalents.
2. For students with Chemistry 12 and Mathematic 12 or equivalents.
3. The Physics requirement may be satisfied by PHYS 120 and 220.
4. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives postponed.

Combined Microbiology and Chemistry Program Requirements

Combined Major in Microbiology and Chemistry

First Year
CHEM 091 and 101, or 101 .................................. 1.5
CHEM 102 ................................................................. 1.5
ENGL 115 or 135 ..................................................... 1.5
MATH 100, 101 .......................................................... 3.0
PHYS 112 ................................................................. 3.0
Electives ................................................................. 4.5
Total .................................................................... 15.0

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.
2. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.
3. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives can be postponed.
### Second Year

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1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. The Physics requirement may also be satisfied by PHYS 120 and 220, or PHYS 102 and 120.
4. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives postponed.

### Combined Major in Biochemistry and Physics

#### Program Requirements

**Combined Honours in Biochemistry and Physics**

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#### First Year

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1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.
2. Only for students who took PHYS 112.
3. Chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.
4. PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

#### Second Year

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### Department of Biology

- **Faculty of Science**
- **Co-operative Education Program in Biochemistry and Microbiology**
- **Co-op/Internship Program Requirements**
- **Combined Major in Biochemistry and Physics**
- **Program Requirements**
- **Combined Honours in Biochemistry and Physics**
- **Third Year**
- **Fourth Year**
C. Peter Constabel, BSc (Sask), MSc (UBC), PhD (Montreal), Associate Professor
John F. Dower, BSc (Memorial), PhD (Victoria), Associate Professor
Barbara J. Hawkins, BSF (UBC), PhD (Cant), Associate Professor
David B. Levin, BSc (Wat), MSc (Guelph), PhD (McGill), Associate Professor
Louise R. Page, BSc, MSc (Alta), PhD (Victoria), Associate Professor
Dorothy H. Paul, BA (Radcliffe), DES (Marl), PhD (StAn), Associate Professor
Robert L. Chow, BSc (Tor), PhD (NYU), Assistant Professor
Perry L. Howard, BSc (Wat), PhD (Tor), Assistant Professor
Robert Ingham, BSc (SFU), PhD (UBC), Assistant Professor
Steve Perlman, BSc, MSc (Tor), MA (Rochester), PhD (Arizona), Assistant Professor
Réal Roy, BSc (Quebec), PhD (McGill), Assistant Professor
John S. Taylor, BSc, MSc (YorK), PhD (SFU), Assistant Professor
Diana E. Varela, BSc (UNS, AR), MA (Boston), PhD (UBC), Assistant Professor
Gregory C. Beaulieu, BSc (Calgary), MSc (Guelph), PhD (Wash), Senior Instructor (2001-2005)
David C. Creasy, BSc, PhD (Man), Senior Instructor (2001-2005)
Thomas E. Reimchen, BSc (Alta), PhD (Liv), Senior Instructor (2001-2005)
Dawna G. Brand, BSc (Victoria), Senior Laboratory Instructor
Heather Down, BSc (Victoria), Scientific Assistant
Yousuf A. Ebrahim, MSc (YorK), Senior Laboratory Instructor
Catherine M. Franz, BSc (UBC) Scientific Assistant
Thomas A. Gore, Senior Scientific Assistant
Janice D. Gough, BSc (Dalhousie), Administrative Officer
Brent E. Gowen, BSc (Man), Senior Scientific Assistant
My Lipton, BSc (Victoria), Scientific Assistant
Paul A. Lissin, BSc, MSc (Victoria), Laboratory Instructor
Gail Mitchell, BSc, M.Ed (Victoria), Senior Laboratory Instructor
Stephen Mitchell, BSc (Victoria), MSc (UBC), Laboratory Instructor
Anne Parkinson, BSc, MSc (Victoria), Co-operative Education Coordinator
Ian G. Thornton, BSc, MSc (Victoria), Senior Laboratory Instructor
Neville Winchester, BSc, MSc, PhD (Victoria), Senior Laboratory Instructor

**Visiting, Adjunct and Cross-listed Appointments**

Joseph A. Antos, BS (N Ill), MA (Mon), PhD (Ore St), Adjunct Professor (2004-2007)
Max L. Bothwell, BA, MA (Calif-Santa Barbara), PHD (Wisconsin), Adjunct Professor (2005-2008)
Michele C. Heath, BSc, DIC and PhD (U. of London), Adjunct Professor (2003-2006)
Job Kuijt, BA (UBC), MA, PhD (Calif-Berk), Adjunct Professor (2004-2007)
Thurston C. Lacalli, BSc (Wash), PhD (UBC), Adjunct Professor (2005-2008)
Patrick M.J. MacLeod, BSc, MD (UBC), Adjunct Professor (2004-2007)
Henry M. Reiswig, BA, MA (Calif-Berk), MSc, PhD (Yale), Adjunct Professor (2004-2007)
Paul S. Rennie, BSc (W Ont), PhD (Alta), Adjunct Professor (2003-2006)
Nancy M. Sherwood, BSc (Oregon), MA, PhD (Calif-Berk), Adjunct Professor (2004-2007)
Brian H. Weinerman, MD (Manitoba), Adjunct Professor (2005-2008)
Hugh J. Barclay, BSc (UBC), MSc, PhD (Victoria), Adjunct Associate Professor (2005-2008)
Klaus Broersma, BSc, MSc (UBC), PhD (Alta), Adjunct Associate Professor (2003-2006)
Alan E. Burger, BSc, PhD (Cape T), Adjunct Associate Professor (2004-2007)
William A. Cupples, BSc (Victoria), MSc (Calgary), PhD (Tor), Adjunct Associate Professor (2003-2006)
Donald S. Eastman, BSc (UBC), MSc (Abend), PhD (UBC), Adjunct Associate Professor (2004-2007)
Abul K. Ekramoddolullah, BSc, MSc (Dhaka), PhD (McGill), Adjunct Associate Professor (2005-2008)
Richard J. Hebda, BSc (McMaster), PhD (UBC), Adjunct Associate Professor (2004-2007)
Alan K. Mitchell, BSc, MSc (Victoria), PhD (Washington), Adjunct Associate Professor (2005-2008)
Thomas P. Mommsen, Dip., DSc (Freiburg), Adjunct Associate Professor (2003-2006)
Brad H. Nelson, BSc (UBC), PhD (Calif-Berk), Adjunct Associate Professor (2003-2006)
Imre S. Otvos, BSF (UBC), MSc, PhD (Calif-Berk), Adjunct Associate Professor (2005-2008)
Johannes P. Van Netten, BSc, PhD (Victoria), Adjunct Associate Professor (2005-2008)
John R. Volpe, BSc, MSc (Guelph), PhD (Victoria), Adjunct Associate Professor (2003-2006)
Michael Clinchy, BSc (Tor), MSc, (Queen's), PhD (UBC), Adjunct Associate Professor (2005-2008)
Louis A. Gosselin, BSc, MSc (Laval), PhD (Alberta), Adjunct Associate Professor (2004-2007)
David M. Holloway, BA (Puget Sound), PhD (UBC), Adjunct Assistant Professor (2004-2007)
Simon R.M. Jones, BSc, MSc, PhD (Guelph), Adjunct Assistant Professor (2003-2006)
Karl W. Larsen, BSc, MSc (Victoria), PhD (Alta), Adjunct Assistant Professor (2003-2006)
R. John Nelson, BS (Calif-Davis), PhD (Wisconsin), Adjunct Assistant Professor (2004-2007)
Richard Nordin, BSc, MSc (N Dakota), PhD (UBC), Adjunct Assistant Professor (2003-2006)
Michael Stoehr, BSc, MSc (Lake), PhD (Tor), Adjunct Assistant Professor (2003-2006)
J. Anthony Troyfomw, BSc (Lethbridge), MSc, PhD (Colorado), Adjunct Assistant Professor (2004-2007)

Neville N. Winchester, BSc, MSc, PhD (Victoria), Adjunct Assistant Professor (2005-2008)
Thomas E. Reimchen, BSc (Alta), PhD (Liv), Professor (Limited Term) (2002-2006)

**Biology General Office**
Phone: 721-7094 or 721-7095
Fax: 721-7120
E-mail: finnegan@uvic.ca
Web: <web.uvic.ca/biology/>
**Program Requirements**

**Notes on Course Requirements**
- Biology 12 is normally required for entry into Major, Honours, General or Minor Programs. Students with Biology 11 only are required to take BIOL 150B to enter Majors, Honours or General Programs.
- Major and Honours students are expected to participate fully in all aspects of laboratory work including handling live and preserved organisms. Laboratory work using animals is reviewed annually by the UVic Animal Care Committee and complies with guidelines established by the Canadian Council on Animal Care. Students who are unwilling to use animals and plants for educational purposes will not normally be able to complete a Major or Honours Program. The General Program provides an alternative for students in such a position. Students who have ethical or health concerns that interfere with normal program requirements should write to the Chair of the Biology Department. This should be done at least six weeks before the beginning of the term in which the course of concern is being offered.
- Students from outside the Department of Biology wanting to take BIOL courses are encouraged to take BIOL 150A and B or BIOL 190A and B, and as many as possible of BIOL 215, 225 and 230. Students who wish to take upper-level courses should contact the undergraduate advisor or instructor to determine which core courses are most suitable as prerequisites.
- Students considering going on to professional schools (e.g., Medicine, Dentistry, Veterinary Science) should include the Science, Math and English courses that are prerequisite to entry into these professional programs. Three units of PHYS are required for most first-year preprofessional programs. Students contemplating entry into Medicine after the third year should consult with the Department.
- Students considering a teaching career are advised to consider the following programs:
  - for Senior Secondary level: a BSc Major or Honours
  - for Junior Secondary School and Elementary level: a BSc or BA General Program
- for teacher certification: consult the Faculty of Education.
- Because of the importance of biometrics in most biological work, students in Biology programs should consider taking additional STAT courses.
- Students may be required to meet part of the expenses involved in required field trips.
- The Department does not offer supplemental examinations.

**Notes on Biology Upper Level Electives**
Biology upper level electives should be chosen with the student's full program in mind. Students cannot expect to be admitted to courses without the prerequisites.

**Honours Program**
Honours students complete the program of required courses shown below and the Biology electives as described for the Major, and in addition take BIOL 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.

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<tr>
<th>Course Requirements</th>
<th>Honours Program</th>
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<tr>
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<td><strong>Third Year</strong></td>
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<td>BIOL upper-level electives2</td>
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**Major Program**
- for teacher certification: consult the Faculty of Education.

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<td>PHYS 102 or 112</td>
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<tr>
<td>Second Year</td>
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<tr>
<td>CHEM 231, and 232 or 235</td>
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<td>Total</td>
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<tr>
<td>Third Year</td>
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<tr>
<td>Science electives1</td>
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**General and Minor Programs**

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<tr>
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<td>PHYS 102 or 112</td>
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<tr>
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<tr>
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**BA**

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<td>CHEM 101, and 102 or 231</td>
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</tr>
<tr>
<td>Electives</td>
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<tr>
<td>Total</td>
<td>15.0</td>
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<tr>
<td>Second Year</td>
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</tr>
<tr>
<td>BIOL 215 or 225</td>
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<tr>
<td>Electives</td>
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### Third and Fourth Year

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<td>BIOL 200-level or above</td>
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<td>Electives(^1)</td>
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<tr>
<td><strong>Total units</strong></td>
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</table>

1. 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.
2. Students are encouraged to seek advice regarding program requirements and prerequisites from an Undergraduate Advisor.
3. 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.

### Combined Biology and Earth Sciences Program Requirements

#### Notes on Course Requirements

1. Biology 12 is normally required for entry into the Combined Biology and Earth Science program. Students with Biology 11 only are required to take BIOL 150B.
2. Students should note that EOS 240 is a prerequsite for several upper-level EOS courses (EOS 310, 320, 403, 425, 430, 440, 450).
3. EOS 300 is strongly recommended for all students.

### Combined Honours Program in Biology and Earth Sciences

Admission to the Combined Honours Biology and Earth Sciences Program requires the permission of both the Department of Biology and the School of Earth and Ocean Sciences. To receive an Honours degree, a student must obtain: (1) a minimum graduating GPA of 5.5 overall; (2) a minimum GPA of 6.0 in SEOS or Biology courses at the 300 and 400 level; and a minimum grade of A- in BIOL 499. An Honours degree, with distinction, will be awarded to students who in addition obtain a minimum graduating GPA of 6.5.

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>EOS 110, 120</td>
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<tr>
<td>PHYS 112 or 102</td>
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<tr>
<td>CHEM 101, 102</td>
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<tr>
<td>MATH 100, 101</td>
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#### Second Year

<table>
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<tbody>
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### Paleontology Emphasis

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<td>CHEM 245</td>
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<td>MATH 201, 205</td>
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</table>

**Total:** 30.0 or 31.0

1. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).
2. Suggested electives include: BIOL 230, 323, EOS 403, 440, 480 for Environmental Emphasis; and BIOL 307, 321, EOS 300, 410 for Paleontology Emphasis.
3. Science electives are any courses offered by the Departments of Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematics and Statistics, Physics and Astronomy or the School of Earth and Ocean Sciences.

### Combined Major Program in Biology and Earth Sciences

#### First Year

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<td>PHYS 112 or 102</td>
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<td>CHEM 101, 102</td>
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<td>MATH 100, 101</td>
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#### Second Year

<table>
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<td>MATH 201, 205</td>
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<td>Elective</td>
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### Core Course Requirements

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### Core Course Requirements

#### Environmental Emphasis

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**Total:** 15.0

#### Paleontology Emphasis

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<tr>
<td>Elective</td>
<td>1.5</td>
</tr>
<tr>
<td>Total</td>
<td>15.0</td>
</tr>
</tbody>
</table>

**Total:** 30.0

1. Suggested electives include: BIOL 323, EOS 403, 440, 480 for Environmental Emphasis; and BIOL 307, 321, EOS 300, 410 for Paleontology Emphasis.
2. Science electives are any courses offered by the Departments of Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematics and Statistics, Physics and Astronomy or the School of Earth and Ocean Sciences.
3. Students are encouraged to seek advice regarding their course schedules from the Undergraduate Adviser or Faculty.

### Combined Biology and Psychology Program Requirements

Both Major and Honours BSc degrees are offered in the Combined Biology and Psychology Program. These are not joint degrees in Biology and Psychology, but single degree programs composed of a selected combination of courses from each of the departments. These programs are intended for students with interests and career goals in any area of neuroscience, including neuroethology, human biology, medicine, dentistry, or nursing. Students should consult with undergraduate advisers in both departments when planning their course schedules.

### Combined Major in Biology and Psychology

#### Core Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B (or 210 and 220)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 210</td>
<td>1.5</td>
</tr>
</tbody>
</table>
Upper-level Biology and Psychology Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 409A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of BIOL 404, 432, or 448</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 323</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 490 or PSYC 390</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level BIOL or PSYC elective</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total Other Requirements | 15.0
Minimum BIOL and PSYC units | 27.0

Other Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215</td>
<td>3.0</td>
</tr>
<tr>
<td>3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 215A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 190A, 190B (or 210 and 220)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 323</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 490 or PSYC 390</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level BIOL or PSYC elective</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total Other Requirements | 19.5
Electives | 13.5
Minimum units | 60.0

Combined Honours in Biology and Psychology

Core Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 210</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 215A</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total core | 12.0

Upper-level Biology and Psychology Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 409A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of BIOL 404, 432, or 448</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 323</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level BIOL or PSYC elective</td>
<td>1.5</td>
</tr>
<tr>
<td>Either Biology or Psychology</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOL 499 and BIOL 460</td>
<td>1.5</td>
</tr>
<tr>
<td>or PSYC 499</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOL 300A or 300B</td>
<td>1.5</td>
</tr>
<tr>
<td>Minimum BIOL and PSYC units</td>
<td>16.5</td>
</tr>
</tbody>
</table>
| Minimum units | 28.5

Other Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215</td>
<td>3.0</td>
</tr>
<tr>
<td>3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261</td>
<td>3.0</td>
</tr>
</tbody>
</table>

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
- BIOL 300A (required for BIOL 360, 361, medical school)
- BIOL 300B (required for BIOL 361, medical school)
- MATH 101 or other MATH courses
- MATH 377
- BIOL 100, 201/203, 220, 342A, 460
- PE 141
- PE 241B
- PE 341
- PSYC 311B
- PSYC 317A
- PSYC 318
- 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 require a minimum C+ to count towards this combined program.
2. Students are advised to find a supervisor for their Directed Studies in the spring term preceding the academic year in which they wish to enroll. In the last 15 units attempted, a minimum GPA of 5.0 is required for admission to BIOL 490A-G, and a minimum GPA of 3.5 for admission to PSYC 390.
3. Consult prerequisites for 200-level MATH courses when choosing among these courses.
4. At least 21 units of upper-level courses are required to satisfy university requirements.
5. Admission and Graduation Standing requirements for the Honours program are governed by the regulations for the department in which the Honours thesis is taken.
6. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).

Biology Co-operative Education Program

The Co-operative Education Program at UVic is described in general on page 44 and specifically for the Faculty of Science on page 164.

Biology Co-op Program Requirements

Entry into the Biology Co-operative Education Program is open to students who are enrolled in an Honours or Major Program offered by the Biology Department. To qualify for entrance and continuation in the Co-operative Education Program, students must be enrolled on a full-time basis and must maintain a B average (5.0) in Biology courses and overall. Students are also required to satisfactorily complete four Work Terms. The first Work Term is undertaken in the Winter or Summer of the second academic year. After the first Work Term, academic terms and Work Terms alternate. Each Work Term will be recorded on the student’s academic record and transcript (as COM, N or F).

Applications and further information may be obtained from the UVic website (Biology Co-operative Education Program: <www.coop.uvic.ca/coopbio>) or by contacting the office directly at (250) 721-8637.
UVIC UNDERGRADUATE CALENDAR 2006-07

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FACULTY OF SCIENCE

Rosemary Pules, 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 (Alberta), PhD (Southampton), CChem, FRSC, FCIC, Emeritus Professor
Michael G. Ikonomou, PhD (Alberta), 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 Professor
Robert N. O'Brien, BASc, MASc (British Columbia), PhD (Manchester) Adjunct Professor
Caroline M. Preston, BSc (McMaster), MA (Carleton), PhD (British Columbia), Adjunct Professor
Stephen R. Stobart, BSc, PhD (Nottingham), Adjunct 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 and 3 units of another science are required corequisites. On graduation as a professional chemist, the candidate may either enter employment in a variety of industries or proceed to graduate school and the higher qualifications of MSc and PhD.

The Major Program provides the student with somewhat more flexibility in the choice of courses. The program requires 27 units of Chemistry, together with 6 units of Mathematics, 3 units of Physics and 3 units of another science as corequisites. The degree is sufficiently specialized to present an attractive background in Chemistry to a prospective employer and to provide the opportunity for students maintaining high averages to continue to graduate school.

Both the Honours and Major programs are suitable for students intending to enter a career in teaching at the secondary level.

A student may complete a Minor in Chemistry by completing the first- and second-year requirements and the third-year Chemistry courses required for the General Program in Chemistry in conjunction with the requirements for an Honours or Major Program offered by another Department (which need not be in the Faculty of Science). The Department also offers considerable scope for students wishing to include Chemistry as part of a BSc or BA General Program. Students with this training will frequently find career opportunities in industry, at both the technical and managerial levels, as well as in business, teaching and many other occupations. The influence of Chemistry in modern society is considered in CHEM 300A and B, courses intended for non-scientists who have successfully completed at least 15 units of university credit.

Co-operative Education Programs

Please, see page 174.

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.
- Glasses or face shields must be worn by all students in laboratories. These are available in the Department. Chemistry Department laboratory notebooks may be purchased in the University Bookstore.

Credit for Previously Offered Courses

Students with credit in the following courses which are no longer offered may make the specified substitutions in any undergraduate program:

- CHEM 100 for CHEM 091 and 101
- CHEM 124 for CHEM 101 and 102
- CHEM 140 with at least B standing for CHEM 101 and 102
- CHEM 140 with less than B standing for CHEM 101
- CHEM 145 for CHEM 245
- CHEM 224 for CHEM 222 and 245
- CHEM 230 for CHEM 231 and 232
- CHEM 233 for CHEM 231 and 235
- CHEM 316 and 317 for CHEM 312 and 318
- CHEM 325 and 422 for CHEM 424 and 425
- CHEM 345 for CHEM 347
- CHEM 423 for CHEM 323
- CHEM 446 for CHEM 347

Fourth-year Course Selection

Offered every year:

CHEM 423, 432, 465, 466, 475, 498, 499.

Offered in alternate years:

The following courses are offered, when possible, once every two years. To aid students in planning, they are listed below in their usual sequence. For up-to-date information on fourth-year course offerings, please see the Chemistry Department’s website at <www.chemistry.uvic.ca>.


Offered in response to student demand:

The following courses will be offered in response to student demand. Students should express their interest in these courses to the Department as early in their program as possible to allow scheduling.

CHEM 447, 477, 480.

Honours Programs

The general requirements for admission to an Honours Program after the second year are shown below.

Students 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 091</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 100</td>
<td>1.5</td>
</tr>
<tr>
<td>PHYS 112</td>
<td>3.0</td>
</tr>
<tr>
<td>Electivesβ</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 212</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 213</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 223</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>3.0</td>
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<tr>
<td>CHEM 316</td>
<td>3.0</td>
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<tr>
<td>CHEM 317</td>
<td>3.0</td>
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<tr>
<td>CHEM 325</td>
<td>3.0</td>
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<tr>
<td>CHEM 422</td>
<td>3.0</td>
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<tr>
<td>CHEM 434</td>
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<tr>
<td>CHEM 437</td>
<td>3.0</td>
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<tr>
<td>CHEM 445</td>
<td>3.0</td>
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<tr>
<td>CHEM 475</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 420</td>
<td>1.5</td>
</tr>
<tr>
<td>STAT 252</td>
<td>1.5</td>
</tr>
<tr>
<td>STAT 254</td>
<td>1.5</td>
</tr>
</tbody>
</table>
Electives ...............................................................6.0

Fourth Year

6 units of other 400-level CHEM courses, including at least one from each of the following groups

CHEM 423, 424, 426, 432, 433, 434, 454, 473
CHEM 411, 447, 455, 458, 459, 475, 476, 477, 480
CHEM 465 and 466 .................................................3.0
CHEM 499 ..................................................................3.0
Electives ..................................................................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
MATH 100, 101 .......................................................... 3.0
PHYS 1123 .................................................................. 3.0
Electives4 .................................................................. 6.0

Second Year

CHEM 212, 213, 222, 231, 235, 245 ......................... 9.0
3 units of Mathematics or Statistics courses chosen from MATH 100, 101, 105, 233A, 233B, 233C, STAT 255, 260 (a maximum of 1.5 units of STAT courses may be used to satisfy this requirement) ......................................................... 3.0
BIOC 200 .................................................................. 1.5
1.5 units of 200-level science courses with the exception of MATH 242, STAT 252, 254 ................................................. 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 1123 .................................................................. 3.0
Electives4 .................................................................. 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

CHEM 091 and 101, or 1012 ........................................ 1.5
CHEM 102 .................................................................. 1.5
ENGL 115 (or 135) .................................................... 1.5
MATH 100, 101 .......................................................... 3.0
PHYS 1123 .................................................................. 3.0
Electives4 .................................................................. 4.5

Second Year

BIOC 200 .................................................................. 1.5
CHEM 212, 213, 222, 231, 235, 245 ......................... 9.0
1.5 units of mathematics chosen from MATH 122, 200, 201, 205, 233A, 233B, 233C ....... 1.5
MICR 200 .................................................................. 3.0

Third Year

BIOC 300A, 300B ...................................................... 3.0
BCMB 301A, 301B .................................................... 3.0
CHEM 324, 335, 353, 362, 363 .................................. 7.5
MICR 302, 303 .......................................................... 3.0

Fourth Year

Two of BIOC 401, 403, 404 ........................................ 3.0
BCMB 406A, 406B .................................................... 3.0
CHEM 352 .................................................................. 1.5
Three of CHEM 318, 347, 361, 364 ......................... 4.5
Two of MICR 401, 402, 405 ....................................... 3.0

Combined Major in Chemistry and Microbiology

First Year

CHEM 091 and 101, or 1012 ........................................ 1.5
CHEM 102 .................................................................. 1.5
ENGL 115 or 135 .................................................... 1.5
MATH 100, 101 .......................................................... 3.0
PHYS 1123 .................................................................. 3.0
Electives4 .................................................................. 4.5
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 101, or 1012 .......................... 3.0
CHEM 102 .................................................. 1.5
CHEM 212, 213, 222, 231, 235, 245 ......................... 9.0
CSC 110, 115 (or 242) .................................. 3.0
MATH 100, 101, 200, 201, 233A, 233C ................. 9.0
PHYS 1123 .................................................. 3.0
BIOC 200 ...................................................... 3.0
Electives ............................................................. 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
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 .................. 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.

Combined Chemistry and Earth and Ocean Sciences Program Requirements
Both Majors and Honours BSc degrees are offered in the Combined Chemistry and Earth and Ocean Sciences Program. This program exposes students to the fields of geochemistry and chemical oceanography while providing a firm basis in the principles of chemistry. Students considering this program must contact the Chemistry Department and the School of Earth and Ocean Sciences where an adviser from each discipline will be assigned. Students considering graduate studies in either Chemistry or Earth and Ocean Sciences must consult with their adviser from the appropriate discipline before making their final choices of courses.

Honours Program in Chemistry and Earth and Ocean Sciences
Students who attain a graduating GPA of at least 6.5, and a GPA of at least 6.5 over the group of required 300- and 400-level courses in Chemistry and Earth and Ocean Sciences will be granted an Honours degree “With Distinction.”

First Year
CHEM 091 and 101 and 1023, or 101 and 1022 .................. 3.0
MATH 100, 101 ............................................. 3.0
PHYS 112, or 120 and 220 .............................. 3.0
EOS 110, 120 ............................................. 3.0
Electives ............................................................. 3.0

Second Year
CHEM 212, 213, 222, 231, 245 ......................... 7.5
MATH 200 or 205, and 201 .................................. 5.0
EOS 201, 205, 240 .......................................... 4.5

Third Year
EOS 202, 340, and 310 or 320 ......................... 4.5
CHEM 235, 318, 324, 347, 352 ......................... 7.5
One of CHEM 361, 362, 363, 364 ................. 1.5
One of EOS 403, 410, 425, 430, 440, 460 ................. 1.5

Fourth Year
Two of EOS 403, 425, 430 .......................... 3.0
CHEM 333, 411 ............................................. 3.0
One of CHEM 361, 362, 363, 364 ................. 1.5
CHEM 499 or EOS 499 .................................. 3.0
One of EOS 403, 410, 425, 430, 440, 460 ................. 4.5
BIOC 200 ...................................................... 1.5
300- or 400-level CHEM or EOS Elective ................. 1.5
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.

Major Program in Chemistry and Earth and Ocean Sciences

First Year
CHEM 091 and 101 and 1023, or 101 and 1022 .................. 3.0
MATH 100, 101 ............................................. 3.0
PHYS 112, or 120 and 220 .............................. 3.0
EOS 110, 120 ............................................. 3.0
Electives ............................................................. 3.0

Second Year
CHEM 212, 213, 222, 231, 245 ......................... 7.5
MATH 200 or 205, and 201 .................................. 5.0
EOS 201, 205, 240 .......................................... 4.5

Third Year
EOS 202, 310 or 320, and 340 ......................... 4.5
CHEM 235, 318, 324, 347, 352 ......................... 7.5
One of CHEM 361, 362, 363, 364 ................. 1.5
One of EOS 403, 410, 425, 430, 440, 460 ................. 1.5

Fourth Year
Two of EOS 403, 425, 430 .......................... 3.0
CHEM 333, 411 ............................................. 3.0
One of CHEM 361, 362, 363, 364 ................. 1.5
One of EOS 403, 410, 425, 430, 440, 460 ................. 1.5
BIOC 200 ...................................................... 1.5
Electives ............................................................. 4.5
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.

Chemistry Co-operative Education Program
The Co-operative Education Program in the Faculty of Science is described on page 164.

Chemistry Co-op Program Requirements
To enter and remain in the Chemistry Co-operative Education Program, students must normally maintain a B average (4.5) in Chemistry courses and overall. Students are also required to complete satisfactorily a minimum of four work terms. A student may at any time during an academic term transfer from the Chemistry Co-operative Education Program to a regular Chemistry program.

Students in the Co-op program may commence work terms after one full year of course work, and normally will alternate terms of academic study and work experience, with the following conditions:
1. Students’ work terms must include work with at least three different employers.
2. Two consecutive work terms (totalling 8 months) may be included with permission, but not for the first work-term experience.
3. Two of the work terms must be subsequent to the student passing all required 100- and 200-level chemistry courses and 3.0 units of third-year chemistry courses.

Students who do not take CHEM 213 in the normal sequence in the fall of the second year might find it impossible to complete their program in the normal time period.

Each work term is recorded on the student's academic record and transcript (as COM, N or F).
Some employers keep work term reports confidential, but at least two work term reports must be evaluated as satisfactory by the Department in order to complete the program.

School of Earth and Ocean Sciences
Kathryn M. Gillis, BSc (Queen's), PhD (Dal), Professor and Director of the School
Dante Canil, BSc (Windsor), PhD (Alta), Professor
N. Ross Chapman, BSc (McM), PhD (UBC), Professor
Stanley E. Dosso, BSc, MSc (UVic), PhD (UBC), Professor
Christopher J.R. Garrett, BA, PhD (Cantab), FRS, FRSC, Lansdowne Professor of Ocean Physics
S. Kim Juniper, BSc (Alta), PhD (Canterbury), Professor (BC Leadership Chair)
Eric Kunze, BSc (UBC), PhD (Wash), FRSC, Professor (Canada Research Chair)
Thomas F. Pedersen, BSc (UBC), PhD (Edin), FRSC, Professor and Dean of Science
George D. Spence, BSc (Calg), MSc, PhD (UBC), Professor
Verena J. Tunnicliffe, BSc (McM), M Phil, PhD (Yale), FRSC, Professor (Canada Research Chair) and Project Director, VENUS
Andrew J. Weaver, BSc (UVic), PhD (UBC), FRSC, Professor (Canada Research Chair)
Michael J. Whiticar, BSc (UVic), PhD (Christian Albrechts), Professor
John F. Dower, BSc (Memorial), PhD (UVic), Associate Professor
Stephen Johnston, BSc (McGill), MSc, PhD (Alta), Associate Professor
Kevin Telmer, BSc (W Ont), PhD (Ont), Associate Professor
Eileen Van der Flier-Keller, BA (Dublin), PhD (W Ont), Associate Professor
Laurence Coogan, BSc (Liverpool), PhD (Leicester), Assistant Professor
Jay Callen, BSc (McGill), PhD (Rutgers), Assistant Professor
Robert C. Hamme, BA (Ponoma), MSc, PhD (Wash), Assistant Professor
Jody M. Klymak, BSc (UVic), MSc, PhD (Wash), Assistant Professor
Katrin Meissner, PhD (Bremen), Assistant Professor
Adam Monahan, BSc (Calg), MSc, PhD (UBC), Assistant Professor
Vera Pospelova, PhD (McGill), Assistant Professor
Diana E. Varela, BSc (UNS, Arg), MA (Boston), PhD (UBC), Assistant Professor

Professional Staff
Peter M. Cross, BSc (UVic), Coordinator, Co-operative Education Program
John Dorocitz, BEng, MASc (UVic), Senior Systems Administrator
David Neltes, BSc (UBC), Senior Laboratory Instructor
Teresa Russell, BA (UVic), Administrative Officer
Joseph Spence, BSc, PhD (UVic), Senior Scientific Assistant

Visiting, Adjunct and Limited Term Appointments
Vivek Arora, BEng (Delhi), MSc (Ireland), PhD (Melbourne), Assistant Professor, Limited Term
Christopher R. Barnes, BSc (Birm), PhD (Ott), CM, FRSC, PGeo, Emeritus Professor and Project Director, NEPTUNE
J. Vaughn Barrie, BSc, MSc, PhD (Wales), Professor, Limited Term
Melvin E. Best, BSc, MSc (UBC), PhD (MIT), Adjunct Professor
George J. Boer, BSc (UBC), MA (Toronto), PhD (Mass), Professor, Limited Term
Brian Bornhold, BSc (Wat), MA (Duke), PhD (MIT), Professor, Limited Term
Eddy C. Carmack, BSc (Ariz St), PhD (Wash), Professor, Limited Term
John F. Cassidy, BSc (UVic), MSc, PhD (UBC), Associate Professor, Limited Term
James R. Christian, BSc, MSc (UBC), PhD (Hawaii), Assistant Professor, Limited Term
William R. Crawford, BSc, MSc (Wat), PhD (UBC), Professor, Limited Term
Kenneth L. Dennis, BSc (Calg), PhD (UBC), FRSC, Professor, Limited Term
Richard Dewey, BSc (UVic), PhD (UBC), Associate Professor, Limited Term
Herbert Dragert, BSc (Toronto), MSc (UBC), Professor, Limited Term
David M. Farmer, BComm, MSc (McGill), PhD (UBC), Professor, Limited Term
Gregory M. Flato, BSc, MSc (Alta), PhD (Dartmouth College, USA), Associate Professor, Limited Term
Howard J. Freeland, BA (Essex), PhD (Dal), Professor, Limited Term
John C. Fyfe, BSc (Regina), PhD (McGill), Associate Professor, Limited Term
Fariborz Goodarzi, BSc (Teheran), MSc, PhD (Newcastle), Professor, Limited Term
John R. Harper, BSc (Mass), MSc, PhD (Louisiana St), Professor, Limited Term
Richard J. Hebda, BSc (McM), PhD (UBC), Professor, Limited Term
Phillip Hill, BA (Oxford), PhD (Dal), Associate Professor, Limited Term
Roy D. Hyndman, BASc, MASc (UBC), PhD (ANU), FRSC, Professor, Limited Term
Debbie Janson, BSc (Queens), MSc, PhD (UBC), Assistant Professor, Limited Term
Thomas James, BSc (Queens), PhD (Princeton), Associate Professor, Limited Term
David Lefebvre, BSc (Queens), MSc, PhD (Carleton), Professor, Limited Term
Raymond Lett, BSc (London), MSc (Leicester), PhD (UBC), Professor, Limited Term
Victor Levys, BSc (Calg), MSc, PhD (Alta), Associate Professor, Limited Term
Rolf G. Lueck, BASc, PhD (UBC), Professor, Limited Term
Robie W. Macdonald, BSc, PhD (Dal), Professor, Limited Term
Jonathan M. Preston, BSc (McM), PhD (UBC), Professor, Limited Term
Norman McFarlane, BSc (Alta), MSc (McGill), PhD (Michigan), Professor, Limited Term
Fiona McLaughlin, BSc, MSc, PhD (UBC), Assistant Professor, Limited Term
William J. Merryfield, BSc (Stanford), PhD (Colorado), Associate Professor, Limited Term
Suzanne Paradis, BScH (UQM), MSc (Montreal), PhD (Carleton), Professor, Limited Term
George J. Simandl, BSc (Concordia), MSc (Carleton), PhD (Ecole Poly, Montreal), Associate Professor, Limited Term
Robert Thompson, BSc, PhD (Queens), Professor, Limited Term
Richard Thomson, BSc (UBC), PhD (UBC), Professor, Limited Term
Svein Vagle, BSc (Bath), PhD (UVic), Associate Professor, Limited Term
Knut M. von Salzen, BSc (Munich), MSc, PhD (Hamburg), Associate Professor, Limited Term
Kelin Wang, BSc (Peking), PhD (W Ont), Professor, Limited Term
John T. Weaver, BSc (Brist), MSc, PhD (Sask), Emeritus Professor
David Welch, BSc (Toronto), PhD (Dal), Professor, Limited Term
Michael J. Wilmot, BSc (Concordia), MA, PhD (Queens), Adjunct Professor

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 (Physical Oceanography)
• Combined Major and Honours in Chemistry and Earth and Ocean Sciences
• Combined Major and Honours in Geography and Earth Sciences (Geosciences)
• Combined Major and Honours in Geography and Earth Sciences (Geotechnic)
• Combined Major and Honours in Biology and Earth Sciences (Environmental Emphasis)
• Combined Major and Honours in Biology and Earth Sciences (Paleontology Emphasis)

The Earth Sciences programs require a core of Earth Sciences courses, corequisite courses in the other sciences and a selection of electives suited to the interests of individual students. Completion of this program (with a geomorphology course) is intended to prepare students for professional designation from the Association of Professional Engineers and Geoscientists of BC (APEGBC; website: <www.apegbc.ca>).

Combined Honours and Major programs offered in collaboration with the Department of Physics and Astronomy provide specialization in either Geophysics or Physical Oceanography and allow students to apply basic principles of Physics and Mathematics to fundamental global processes affecting the earth and oceans.

Combined Honours and Major programs offered in collaboration with the Department of Chemistry expose students to the fields of geochemistry and chemical oceanography while providing a firm basis in the principles of chemistry.

Combined Honours and Major programs are offered in collaboration with the Department of Geography. The Geoscience program is aimed at students whose interests span the fields of Physical Geography and Earth Sciences. The Geotechnic program is intended to prepare students for a professional designation from the Association of Professional Engineers and Geoscientists of BC (APEGBC). APEGBC has requirements of students beyond course work, and reserves the right to set standards and change requirements at any time (see their website at <www.apegbc.ca>). Therefore, the School of Earth and Ocean Sciences, the Department of Geography and UVic assume no responsibility for a student's acceptance into APEGBC.
Combined Major and Honours programs offered in collaboration with the Department of Biology offer an environmental and a palaeontological emphasis. The environmental emphasis is for students interested in biological oceanography and aquatic/terrestrial environments, where the combination of courses provides an interdisciplinary background. The palaeontology emphasis is for those students interested in specialization or graduate studies.

Students may take a Minor Program in Earth and Ocean Sciences along with a Major or Honours Program in another discipline. Such interdisciplinary programs may be advantageous to students considering a postgraduate degree in Environmental Studies, Geophysics, Geography, Oceanography, Atmospheric Sciences or Education. Students intending to pursue research or continue their studies for MSc or PhD degrees should consider the Honours Programs.

The distinctive character of BSc General Programs is the breadth of course options possible. Students in these programs may wish to combine a concentration in Earth Sciences with one in another science area (BSc) or an arts area (BA).

Co-operative Education Programs
Please, see page 180.

Program Requirements
Course Availability and Information
Students should consult the Director concerning courses offered in any particular year. Some fourth-year courses may be offered in alternate years. The timetable also shows which courses are offered.

The names of course instructors, together with the required and recommended texts for each course, are available from the School.

Field Courses
Earth Sciences 300 and 400 are scheduled outside of the normal term time at off-campus locations on dates specified by the School. Students are required to meet part of the expenses involved and will be advised of such expenses during the fall term. Students should contact the School for further information.

Honours Programs
Students will normally apply for admission to the SEOS Honours Program at the end of the third year of their undergraduate Earth Sciences Program, although they may apply as early as the end of their second year and as late as the beginning of their last year. The general requirement for admission to the Honours Program is a cumulative GPA of 5.5 in the Earth Sciences Program at the time of application. While enrolled in the Honours Program, honours students in SEOS must maintain a sessional GPA of 5.5 and a course load of at least 6.0 units per term.

Honours Graduation Standing
An Honours degree “With Distinction” requires:

- A graduating GPA of at least 6.5
- A GPA of at least 6.5 in 300- and 400-level EOS courses, including a minimum grade of A- in EOS 499

An Honours degree requires:

- A graduating GPA of at least 5.5

- A GPA of at least 5.5 in 300- and 400-level EOS courses, including a minimum grade of B+ in EOS 499

If a student fails to meet the standards for the Honours degree, while meeting the Major degree requirements, the student may graduate with the appropriate Major degree.

Minor in Ocean Sciences
The Ocean Science Minor Program is intended to provide students with a broad overview of oceanography, focusing on its essentially interdisciplinary nature. A student may declare a Minor in Ocean Sciences when enrolled in an Honours, Major, or General Program offered by another department or school (which need not be in the Faculty of Science), along with the following set of courses:

- EOS/GEOG 110, 120
- EOS 311, 312, 313, 314
- Two of: EOS 315, 403, 408, 425, 431, 433, 435; BIOL 319, 446; PHYS 426

Four of these courses (311, 312, 313, and 314) will be taken during an intensive Summer Ocean Term, involving a substantial seagoing component. Students normally consult the SEOS 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>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 110, 120 .....................................1.5</td>
<td>EOS 201..................................................1.5</td>
<td>EOS 300 ..................................................1.5</td>
<td>EOS 400 ..................................................1.5</td>
</tr>
<tr>
<td>BIOL 150A or 190A ................................1.5</td>
<td>EOS 202..................................................1.5</td>
<td>BIOL 310 ................................................1.5</td>
<td>EOS 410 ..................................................1.5</td>
</tr>
<tr>
<td>CHEM 101, 102 ....................................1.5</td>
<td>EOS 205..................................................1.5</td>
<td>CHEM 310 ................................................1.5</td>
<td>EOS 460 ..................................................1.5</td>
</tr>
<tr>
<td>MATH 100, 101 .....................................1.5</td>
<td>EOS 240..................................................1.5</td>
<td>MATH 310 ................................................1.5</td>
<td>Electives ..................................................1.5</td>
</tr>
<tr>
<td>PHYS 112 ..........................................1.5</td>
<td>CHEM 222, 245 ......................................3.0</td>
<td>PHSE 222, 245 ..........................................3.0</td>
<td>Electives ..................................................1.5</td>
</tr>
<tr>
<td>Elective ..............................................1.5</td>
<td>MATH 200 (or 205), 201 .........................3.0</td>
<td>STAT 260 ................................................1.5</td>
<td>Electives ..................................................1.5</td>
</tr>
<tr>
<td>Total: ..............................................15.0</td>
<td>One of EOS 408, 425, 431 ......................1.5</td>
<td>One of EOS 408, 425, 431 ......................1.5</td>
<td>Total: ..............................................15.0</td>
</tr>
<tr>
<td>EOS 300 ................................................1.5</td>
<td>STAT 260 ................................................1.5</td>
<td>EOS 400 ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>EOS 310 ................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td>EOS 410 ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>EOS 311 or BIOL 311 ................................1.5</td>
<td>Electives ..................................................1.5</td>
<td>EOS 460 ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>EOS 320 ................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>EOS 330 ................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>EOS 340 ................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>One of EOS 408, 425, 431 ......................1.5</td>
<td>Electives ..................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>STAT 260 ................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>Electives ................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td></td>
</tr>
<tr>
<td>Total: ..............................................15.0</td>
<td>Electives ..................................................1.5</td>
<td>Electives ..................................................1.5</td>
<td></td>
</tr>
</tbody>
</table>

1. Students who have completed Biology 11 and 12 should take BIOL 190A.
2. Students should consider taking BIOL 215 as one of their electives.

Major in Earth Sciences

First Year
- EOS 110, 120 .....................................3.0
- BIOL 150A or 190A ................................1.5
- CHEM 101, 102 ....................................3.0
- MATH 100, 101 .....................................3.0
- PHYS 112 ..........................................3.0
- Electives ..............................................1.5
- Total: ..............................................15.0

Second Year
- EOS 201..................................................1.5
- EOS 202..................................................1.5
- EOS 205..................................................1.5
- EOS 240..................................................1.5
- CHEM 222, 245 ......................................3.0
- MATH 200 (or 205), 201 .........................3.0
- EOS 210 or PHYS 210 .........................1.5
- Elective ..............................................1.5
- Total: ..............................................15.0

Third Year
- EOS 300 ................................................1.5
- EOS 310 ................................................1.5
- EOS 311 or BIOL 311 ............................1.5
- EOS 320 ................................................1.5
- EOS 330 ................................................1.5
- EOS 340 ................................................1.5
- One of EOS 408, 425, 431 ......................1.5
- STAT 260 ..............................................1.5
- Electives ..............................................1.5
- Total: ..............................................15.0

Fourth Year
- EOS 400 ................................................1.5
- EOS 410 ................................................1.5
- EOS 460 ................................................1.5
- EOS 499 ................................................3.0
- Minimum 4.5 units of upper-level EOS electives .............................................4.5
- Electives ..............................................3.0
- Total: ..............................................15.0

1. Students who have completed Biology 11 and 12 should take BIOL 190A.
2. Students should consider taking BIOL 215 as one of their electives.

General and Minors in Earth Sciences

First Year
- EOS 110, 120 .....................................3.0
- BIOL 150A or 190A ................................1.5
- CHEM 101, 102 ....................................3.0
- MATH 100, 101 .....................................3.0
- PHYS 112 ..........................................3.0
- Electives ..............................................3.0
- Total: ..............................................15.0

Second Year
- EOS 201..................................................1.5
- EOS 202..................................................1.5
- EOS 205..................................................1.5
- EOS 240..................................................1.5
- CHEM 222, 245 ......................................3.0
- MATH 200 (or 205), 201 .........................3.0
- EOS 210 or PHYS 210 .........................1.5
- Elective ..............................................1.5
- Total: ..............................................15.0

Third Year
- EOS 300 ................................................1.5
- EOS 310 ................................................1.5
- EOS 311 or BIOL 311 ............................1.5
- EOS 320 ................................................1.5
- EOS 330 ................................................1.5
- EOS 340 ................................................1.5
- One of EOS 408, 425, 431 ......................1.5
- STAT 260 ..............................................1.5
- Electives ..............................................1.5
- Total: ..............................................15.0

Fourth Year
- EOS 400 ................................................1.5
- EOS 410 ................................................1.5
- EOS 460 ................................................1.5
- EOS 499 ................................................3.0
- Minimum 4.5 units of upper-level EOS electives .............................................4.5
- Electives ..............................................3.0
- Total: ..............................................15.0

1. Students who have completed Biology 11 and 12 should take BIOL 190A.
2. Students should consider taking BIOL 215 as one of their electives.
## Combined Honours in Physics and Earth Sciences (Geophysics)

### Year 1
- **PHYS 112**
- **EOS 201, 202, 205**
- **EOS 310**
- **EOS 320**
- **EOS 330**
- **EOS 340**
- **Electives**
- **Total**: 15.0

### Year 2
- **PHYS 201, 202**
- **EOS 410, 420**
- **EOS 430**
- **Electives**
- **Total**: 15.0

### Year 3
- **PHYS 317, 321A, 325, 326**
- **EOS 300**
- **EOS 323 or 325**
- **EOS 326, 330A, 330B**
- **Electives**
- **Total**: 15.0

### Year 4
- **PHYS 323, 411**
- **PHYS 427 or EOS 427**
- **PHYS 460 or EOS 570**
- **EOS 220**
- **EOS 201, 202, 205**
- **MATH 200, 201, 233A**
- **Electives**
- **Total**: 15.0

### Combined Major in Physics and Earth Sciences (Geophysics)

### Year 1
- **PHYS 112**
- **EOS 201, 202, 205**
- **EOS 499, or PHYS 429A and 429B**
- **EOS 410, 480**
- **Physics elective**
- **Total**: 15.0

### Year 2
- **PHYS 201, 202**
- **EOS 410, 420**
- **EOS 430**
- **Electives**
- **Total**: 15.0

### Year 3
- **PHYS 317, 321A, 325, 326**
- **EOS 300**
- **EOS 323 or 325**
- **EOS 326, 330A, 330B**
- **Electives**
- **Total**: 15.0

### Year 4
- **PHYS 323, 411**
- **PHYS 427 or EOS 427**
- **PHYS 460 or EOS 570**
- **EOS 220**
- **EOS 201, 202, 205**
- **MATH 200, 201, 233A**
- **Electives**
- **Total**: 15.0

## Combined Honours in Physics and Ocean Sciences (Physical Oceanography)

### Year 1
- **PHYS 112**
- **EOS 210 or 220**
- **EOS 310, 320, 430**
- **PHYS 431, PHYS 431 is strongly recommended.**
- **EOS 310, 320, 430, 440, 460, 470**
- **PHYS 431, PHYS 431 is strongly recommended.**
- **PHYS 431, 433, 435**
- **PHYS 460 or EOS 570**
- **Elective**
- **Total**: 15.0

### Year 2
- **PHYS 214, 215, 216**
- **EOS 410, 420**
- **EOS 430**
- **Electives**
- **Total**: 15.0

### Year 3
- **PHYS 317, 321A, 321B, 323, 325, 326**
- **EOS 300**
- **EOS 323 or 325**
- **EOS 326, 330A, 330B**
- **Electives**
- **Total**: 15.0

### Year 4
- **PHYS 323, 411**
- **PHYS 427 or EOS 427**
- **PHYS 460 or EOS 570**
- **EOS 220**
- **EOS 201, 202, 205**
- **MATH 200, 201, 233A**
- **Electives**
- **Total**: 15.0

## Combined Major in Physics and Ocean Sciences (Physical Oceanography)

### Year 1
- **PHYS 112**
- **EOS 210 or 220**
- **EOS 310, 320, 430**
- **PHYS 431, PHYS 431 is strongly recommended.**
- **EOS 310, 320, 430, 440, 460, 470**
- **PHYS 431, PHYS 431 is strongly recommended.**
- **PHYS 431, 433, 435**
- **PHYS 460 or EOS 570**
- **Elective**
- **Total**: 15.0

### Year 2
- **PHYS 214, 215, 216**
- **EOS 410, 420**
- **EOS 430**
- **Electives**
- **Total**: 15.0

### Year 3
- **PHYS 317, 321A, 321B, 323, 325, 326**
- **EOS 300**
- **EOS 323 or 325**
- **EOS 326, 330A, 330B**
- **Electives**
- **Total**: 15.0

### Year 4
- **PHYS 323, 411**
- **PHYS 427 or EOS 427**
- **PHYS 460 or EOS 570**
- **EOS 220**
- **EOS 201, 202, 205**
- **MATH 200, 201, 233A**
- **Electives**
- **Total**: 15.0
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Year 4

PHYS 323, 411, 426 ........................................ 4.5
EOS 431 .......................................................... 1.5
EOS 432 or 435 ................................................... 1.5
Electives ................................................................ 7.5
Total: ................................................................... 15.0

1. Only for students who took PHYS 112.
2. CSC 242 and MATH 233A are strongly recommended in second year. EOS 210 or PHY 210, and CSC 115, 225, 230 are also recommended.

Combined Chemistry and Earth and Ocean Sciences Program Requirements

Combined Honours in Chemistry and Earth and Ocean Sciences

Admission into the Combined Honours Chemistry and Earth and Ocean Sciences Program requires the permission of both the Department of Chemistry and the School of Earth and Ocean Sciences. In order to obtain an Honours degree “With Distinction,” students must attain a 6.5 or higher graduating GPA and a GPA of 6.5 or higher over the group of required 300- and 400-level courses in Chemistry and Earth and Ocean Sciences.

First Year

CHEM 091, 101, 102; or 101 and 102* ............... 3.0
MATH 100, 101 .................................................... 3.0
PHYS 112, or 120 and 220 ............................... 3.0
EOS 110, 120 ....................................................... 3.0
Electives ............................................................. 3.0
Total: ................................................................... 15.0

Second Year

CHEM 212, 213, 222, 231, 245 .................. 7.5
MATH 200 or 205, and 201 ......................... 3.0
EOS 201, 205, 240 ........................................ 4.5
Total: ................................................................... 15.0

EOS 110, 120 ....................................................... 3.0
Electives ............................................................. 3.0
Total: ................................................................... 15.0

Fourth Year

Two of EOS 403, 425, 430 ......................... 3.0
CHEM 353, 411 .................................................. 3.0
One of CHEM 361, 362, 363, 364 .................... 1.5
One of EOS 403, 410, 425, 430, 440, 460 ............ 1.5
Electives ............................................................. 1.5
Total: ................................................................... 15.0

Combined Geography and Earth Sciences (Geoscience) Program Requirements

Students intending to pursue one of these combined programs must consult with the Undergraduate Adviser in either the School of Earth and Ocean Sciences or the Department of Geography after completing first-year requirements.

Combined Honours: Geoscience

Admission to the Combined Honours Geography and Earth Sciences (Geoscience) Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

First Year

EOS 110 and 120, or GEG 110 and 120* ........... 3.0
CHEM 101, 102 ............................................... 3.0
GEOG 101A ...................................................... 1.5
MATH 100, 101 ............................................... 3.0
PHYS 112 ............................................................ 3.0
CSC 100 or 110 ............................................... 1.5
Total: ................................................................... 15.0

Second Year

EOS 201 ............................................................... 1.5
EOS 202 ............................................................... 1.5
EOS 205 ............................................................... 1.5
EOS 240 ............................................................. 1.5
GEOG 221 ......................................................... 1.5
GEOG 237 ............................................................ 1.5
CHEM 245 .......................................................... 1.5
MATH 201 ............................................................ 1.5
MATH 205 ............................................................ 1.5
EOS 210 or PHYS 210 ........................................ 1.5
Total: ................................................................... 15.0

Third and Fourth Years

EOS 340 ............................................................... 1.5
EOS 440 or GEOG 370 .................................... 1.5
EOS 450 or GEOG 476 .................................... 1.5
EOS 300 or GEOG 477 .................................... 1.5
One of EOS 403, 425, 430, 480 .................... 1.5
STAT 260 or GEOG 226* ............................... 1.5
GEOG 228 ........................................................... 1.5
EPS 319, 322, 325, 328 ................................. 3.0
Minimum 9.0 upper-level Geography or EOS units chosen by the student ......................... 9.0
Minimum 7.5 additional course units ................... 7.5
Total: ................................................................... 30.0

1. The following courses are prerequisites for several other courses; students require a minimum grade of B to progress to the next level: GEOG 101A, EOS 110 or GEOG 110, EOS 120 or GEOG 120, GEOG 222, GEOG 226, GEOG 228.
2. The CHEM 222 pre- or corequisite for EOS 240 is waived for students in this combined program.
3. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography or SEOS Undergraduate Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

**Combined Geography and Earth Sciences (Geotechnic) Program Requirements**

Students intending to pursue one of these combined programs must consult with the Undergraduate Adviser in either the School of Earth and Ocean Sciences or the Department of Geography after completing first-year requirements.

**Combined Honours: Geotechnic**

Admission to the Combined Honours Geography and Earth Sciences (Geotechnic) Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

**First Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Total Credits</th>
</tr>
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<tbody>
<tr>
<td>EOS 110 and 120 or GEOG 110 and 120</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 101A</td>
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<tr>
<td>MATH 100, 101</td>
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</tr>
<tr>
<td>PHYS 112</td>
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<tr>
<td>CSC 100 or 110</td>
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</tr>
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<td>Total</td>
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**Second Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Total Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 201</td>
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<tr>
<td>EOS 202</td>
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<td>EOS 205</td>
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</tr>
<tr>
<td>EOS 240</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 222</td>
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</tr>
<tr>
<td>GEOG 376</td>
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</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
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<td>MATH 201</td>
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<td>MATH 205</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 210 or PHYS 210</td>
<td>1.5</td>
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**Third and Fourth Years**

<table>
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<th>Course Code</th>
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<tbody>
<tr>
<td>EOS 340</td>
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</tr>
<tr>
<td>EOS 310 or 320</td>
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</tr>
<tr>
<td>EOS 300 or GEOG 477</td>
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<tr>
<td>EOS 440, 450, 480</td>
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<tr>
<td>STAT 260 or GEOG 226</td>
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<td>GEOG 228</td>
<td>1.5</td>
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<tr>
<td>GEOG 319 or 322</td>
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</tr>
<tr>
<td>GEOG 328</td>
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<tr>
<td>GEOG 370, 379</td>
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<td>GEOG 476</td>
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<tr>
<td>Minimum 3 upper-level Geography or EOS units</td>
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<tr>
<td>Minimum 7.5 additional course units</td>
<td>7.5</td>
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<tr>
<td>Total</td>
<td>30.0</td>
</tr>
</tbody>
</table>

1. The following courses are prerequisites for several other courses; students require a minimum grade of B to progress to the next level: GEOG 101A, EOS 110 or GEOG 110, EOS 120 or GEOG 120, GEOG 222, GEOG 226, GEOG 228.
2. The CHEM 222 pre- or corequisite for EOS 240 is waived for students in this combined program.
3. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography or SEOS Undergraduate Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

**Combined Biology and Earth Sciences Program Requirements**

**Notes on Course Requirements**

1. Biology 11 and 12 are normally required for entry into the Combined Biology and Earth Science program. Students without Biology 11 and 12 are required to take BIOL 150A and B.
2. Students should note that EOS 240 is a prerequisite for several upper-level EOS courses (EOS 310, 320, 403, 425, 430, 440, 450).
3. EOS 300 is strongly recommended for all students.
BIOL upper-level electives2 .......... 7.5
EOS upper-level electives2 .......... 7.5
Science upper-level electives3 .......... 1.5
Electives .......... 4.5
Total: ...................................................30.0 or 31.0

1. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).
3. Science electives are any courses offered by the Departments of Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematics and Statistics, Physics and Astronomy or the School of Earth and Ocean Sciences.

**Combined Major in Biology and Earth Sciences**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A or 210, 190B or 220</td>
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</tr>
<tr>
<td>EOS 110, 120</td>
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<td>PHYS 112 or 102</td>
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<tr>
<td>CHEM 101, 102</td>
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<tr>
<td>MATH 100, 101</td>
<td>3.0</td>
</tr>
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<td>Total:</td>
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</table>

**Second Year**

**Environmental Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 215</td>
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<tr>
<td>BIOL 225</td>
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<td>BIOL 230</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 201, 205</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 201, 205</td>
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<td>Elective</td>
<td>1.5</td>
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<tr>
<td>Total:</td>
<td>15.0</td>
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**Paleontology Emphasis**

<table>
<thead>
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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 215</td>
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</tr>
<tr>
<td>BIOL 225</td>
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</tr>
<tr>
<td>BIOL 230</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 202</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 201, 205</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 201, 205</td>
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<td>Total:</td>
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**Third and Fourth Years**

**Environmental Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>STAT 255 or 260</td>
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</tr>
<tr>
<td>BIOL 330</td>
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<tr>
<td>BIOL 370</td>
<td>1.5</td>
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<tr>
<td>EOS 460</td>
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</tr>
<tr>
<td>EOS 403 or 425 or 430</td>
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<td>EOS upper-level electives3</td>
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<tr>
<td>Science upper-level electives2</td>
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<td>Electives4</td>
<td>4.5</td>
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<tr>
<td>Total:</td>
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**Paleontology Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 255 or 260</td>
<td>1.5</td>
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<tr>
<td>BIOL 330</td>
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<tr>
<td>BIOL 455</td>
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</tr>
<tr>
<td>EOS 330</td>
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**SCHOOL OF EARTH AND OCEAN SCIENCES CO-OPERATIVE EDUCATION PROGRAM**

Students intending to register in Earth Sciences Major or Honours Programs may wish to combine their academic programs with relevant and productive work experience in industry, business and government. The general concept and requirements of the Co-operative Education Program are given on page 44 and specifics for the Faculty of Science are described on page 164.

**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 3.5 overall. In addition to academic grades, acceptance will be based on individual interest, abilities and aptitudes, and a formal interview. A student is required to factor in their course schedules from the Undergraduate Adviser or Faculty.

**Department of Mathematics and Statistics**

Gary MacGillivray, BSc, MSc (UVic), PhD (SFU), Professor and Chair of the Department
Ernest J. Cockayne, MA (Oxon), BSc (McGill), PhD (UBC), Professor Emeritus
Roger R. Davidson, BSc (Queen's), MA, PhD (Florida St), Professor Emeritus
Florin N. Diaconu, MMath (Bucharest), PhD (Heidelberg), Professor
Reinhard Illner, Dip (Heidelberg), PhD (Bonn), Professor
David J. Leemings, BSc (UBC-Vic Coll), MA (Ore), PhD (Alta), Professor Emeritus
C. Robert Miers, BA (Knox Coll), MA, PhD (Calif, LA), Associate Professor
Christina Mynhardt, MA, PhD (Rand Afrikaans Univ), Professor
William E. Pfaffenberger, BA, MA, PhD (Ore), Professor
John Phillips, BSc (UVic), MA, PhD (Ore), Professor
Ian F. Putnam, BSc (UVic), PhD (Calif, Berk), FRSC, Professor
William J. Reed, BSc, (Imp Coll Lond), MSc (McGill), PhD (UBC), Professor
Ahmed Ramzi Sourour, BSc, (Cairo), MSc (Ill), Professor
Hari M. Srivastava, BSc, MSc (Allahabad), PhD (Jodhpur), FRAS (Lond), FNASc (India), FIMA (UK), FVPI, FAAAS (Washington, DC), CMath, FMRAS (Belgium), FACC (Spain), FFA (India) Professor
Pauline van den Driesche, BSc, BSc (Imp Coll Lond), DSc, PhD (Wales) Professor
Jane (Juan-Juan) Ye, BSc (Xiamen), MBA, PhD (Dal), Professor
Christopher J. Bose, BSc (UBC), MSc, PhD (Tor), Associate Professor
Roderick Edwards, BA, BSc (UVic), MSc (Heriot-Watt), PhD (UVic), Associate Professor
Denton E. Hewgill, BSc, PhD (UBC), Associate Professor Emeritus
Jing Huang, MSc (Acad Sinica), PhD (SFU), Associate Professor
Bruce R. Johnson, BS, MA, (Ore St), PhD (Ore), Associate Professor Emeritus
Marcelo Laca, BSc (Uruguay), MA (Calif, Santa Barbara), PhD (Calif, Berk), Associate Professor
Mary Lesperance, BA (Windsor), BSc (UVic), MMath, PhD (Waterloo), Associate Professor
Gary G. Miller, BSc (Kenn Mis), MSc, PhD (Missouri), Associate Professor Emeritus
Anthony Quas, BA (Cambridge), Cert. (Cambridge), PhD (Warwick), Associate Professor
Min Tsao, BSc (Lanzhou), MSc, PhD (SFU), Associate Professor
Julie Zhou, BSc (Nanjing), BSc, PhD (Alberta), Associate Professor
Martial Agueh, BSc (Benin), PhD (Georgia Inst Tech), Assistant Professor
Laura Cowen, BSc (SFU), MMath (Waterloo), PhD (SFU), Assistant Professor
Peter Dukes, BSc (UVic), MSc (Toronto), PhD (Cal Tech), Assistant Professor
Heath Emerson, BSc, MSc (UVic), PhD (Penn State), Assistant Professor
Boualem Khoudier, BSc (Algiers), MA, PhD (Montreal), Assistant Professor
Farouk Nathoo, BSc (UBC), MMath (Waterloo), PhD (SFU), Assistant Professor
Robert Steacy, BSc (UBC), MSc, PhD (UVic), Senior Instructor
Margaret Wyeth, MA, Dip. in Ed. (Edinburgh), MA, PhD (UVic), Senior Instructor
Charles Burton, BA, MBA (Queen’s), Administrative Officer
Kelly Choo, BSc, MSc (UVic), Coordinator, Systems and Administration (PIMS)
Marilee V. Garrett, BA (Brown), MSc (UVic), Co-operative Education Coordinator (Computer Science and Mathematics)
Christine M. Wood, BES (Waterloo), MLIS (Western Ontario), Program Assistant, Co-operative Education Program
Elizabeth A. Miller, BSc, MSc (UVic), Coordinator, Math. Assistance Centre

Visiting, Adjunct and Cross-listed Appointments
Fausto Milinazzo, BSc, PhD (UBC), Adjunct Professor
Teresa Germanson, BA (Michigan), MS (Cincinnati), MPH (Michigan), PhD (Virginia), Adjunct Professor
Robert Moody, BA (Sask), MA, PhD (Toronto) Adjunct Professor
Francis W. Zwiers, BMATH (Waterloo), MSc (Acadia), PhD (Dal), Adjunct Professor
Richard C. Brewster, BSc, MSc (UVic), PhD (SFU), Adjunct Associate Professor
Julian West, BSc (Cal Tech), PhD (MIT), Adjunct Assistant Professor

Mathematics and Statistics
General Office: 721-7437
Fax: 721-8962
E-mail: office@math.uvic.ca
Web: <www.math.uvic.ca/>

Mathematics and Statistics Programs
The Department offers the following BSc degree programs:
• General, Major or Honours in Mathematics
• General, Major or Honours in Statistics
• Major or Honours in Mathematics and Statistics
• Major or Honours in Computer Science and Mathematics
• Major or Honours in Computer Science and Statistics
• Honours in Physics and Mathematics

Honours Programs allow specialization in one or more disciplines in the last two or three years and are intended for students of above-average ability. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

The Major in Mathematics is a program broadly based in the mathematical sciences requiring courses in each of pure mathematics, applied mathematics and statistics, and having enough elective choice to permit emphasis in any of these three areas.

The General Program emphasizes breadth of education and requires concentration in two different fields. For more details on a BSc degree in a General Program combining Mathematics or Statistics with another field in Science (or with Geography or Psychology), see page 164. For more details on a BA degree in a General Program combining Mathematics or Statistics with a field in Humanities or Social Sciences, see page 153 or page 193, 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 184.

PROGRAM REQUIREMENTS

Notes on Course Requirements
1. Any student who has been awarded a UBC-SFU-UVIC-UNBC Calculus Examination Certificate can receive credit for MATH 100 with the letter grade corresponding to the examination score. Written application to the Department of Mathematics and Statistics is required.

2. Credit by course challenge is not offered. Any students who demonstrate to the Department that they have mastered the material of a course may be granted advanced placement. For this purpose a score of 4 or 5 on the AP Calculus test will constitute mastery of MATH 100.

3. The prerequisite for MATH 100 is 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, transfers from community colleges and students who have obtained credit for Grade XIII Mathematics must consult the Department before enrolling in any Mathematics course.

6. Students who plan to specialize in Mathematics or Statistics are encouraged to take MATH 151 as an elective in their first year.

7. All students taking a Major or Honours in Mathematics are strongly advised to take at least one University course in Physics.

Honours Programs
Students who wish to be admitted to an Honours Program in the Department should apply in writing to the Chair of the Department on completion of their second year. Normally a student will be admitted to the third year of an Honours Program in the Department only if the student has achieved a GPA of at least 6.5 in the second-year courses taken in the Department. A student whose third-year work is not of Honours caliber may be required to withdraw from the program. A student graduating in the Honours program will be recommended for an Honours degree “With Distinction” if the student has achieved a graduating GPA of at least 6.5 and a GPA of at least 6.5 in courses numbered 300 or higher in the Department.

Mathematics Program Requirements

Honours in Mathematics
• MATH 100, 101, 122
• CSC 110, 115 (or 242)
• MATH 200, 201, 233A, 233C
• STAT 260, 261
• Two of MATH 322, 325, 377
• MATH 333A, 333C, 334, 434, 438

• 12 additional units of Mathematics and Statistics courses numbered 300 or higher, of which at least 6 units are numbered 400 or higher.

Students who are specifically interested in one of the areas of pure mathematics or applied mathematics should consult the Department for advice in the selection of these elective units.

Major in Mathematics
• MATH 100, 101, 122
• CSC 110, 115 (or 242)
• MATH 200, 201, 233A, 233C
• STAT 260, 261
• Two of MATH 322, 325, 377
• MATH 330A, 330B, 333A

• 7.5 additional units of Mathematics and Statistics courses numbered 300 or higher (of which at least 1.5 units are numbered 400 or higher)

Chosen in consultation with the Department.

General in Mathematics
• MATH 100, 101, 122
• MATH 205 (or 200), 201, 233A
• 9 additional units of courses numbered 300 or higher in the Department.

General in Mathematics (Teacher Preparation Option)
• MATH 100, 101, 122, 151
• CSC 110
• MATH 205 (or 200), 233A
• One of STAT 252, 255, 260
• MATH 362, 368A, 415

• 4.5 additional units of courses numbered 300 or higher in the Department. Recommended courses include MATH 322*, 330A, 352, 368B, 377*.

* These courses have 200-level prerequisites which would have to be included in the student’s program.
Minor in Mathematics
A student may declare a Minor in Mathematics by completing the requirements for an Honours Program or a Major Program offered by another department or school (which need not be in the Faculty of Science) in conjunction with either the Mathematics course requirements for the General in Mathematics or the following set of courses:
- MATH 100, 101
- One of MATH 200, 202, 205
- Two of MATH 201, 222, 233A, 233C, STAT 260
- 4.5 additional units of MATH courses numbered 300 or higher
This set of courses must include at least 9 units numbered 200 or higher that do not form part of the requirements of the Honours or Major degree. Any course disqualified from the Minor Program by overlap with the requirements of the Honours or Major Program may be replaced by another Mathematics or Statistics course at the same level or higher. See Faculty of Science regulations for Minor programs, page 164. Only one Minor may be declared on any degree program.

Statistics Program Requirements
Honours in Statistics
- MATH 100, 101
- CSC 110, 115 (or 242)
- MATH 200, 201, 233A, 233C
- STAT 260, 261
- Two of MATH 322, 325, 377
- MATH 330A (or 334), 330B (or 438), 333A, 352
- STAT 350, 353, 450
- Two of MATH 452, STAT 354, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)
- 6 additional units made up of Mathematics courses numbered 300 or higher, or Statistics courses numbered 400 or higher. (Every program must include at least 6 units of Mathematics and Statistics courses numbered 400 or higher.)

Major in Statistics
- MATH 100, 101
- CSC 110
- MATH 200, 201, 233A
- STAT 260, 261
- MATH 330A, 330B, 377
- STAT 350, 353, 453, 454
- 4.5 additional units made up of Mathematics courses numbered 300 or higher, or Statistics courses numbered 400 or higher. Recommended courses include STAT 450, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics), MATH 352, 452.

General in Statistics
- MATH 100, 101
- MATH 205 (or 200), 233A
- STAT 260 (or 255), 261 (or 256)
- STAT 353, 354, 453
- 4.5 additional units of Mathematics and Statistics courses numbered 300 or higher. Recommended courses include STAT 350, 355, 357, 450, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics), MATH 352, 377, 452.

Minor in Statistics
A student may declare a Minor in Statistics by completing the requirements for an Honours Program or a Major Program offered by another department or school (which need not be in the Faculty of Science) in conjunction with the following set of courses:
- MATH 100 (or 102), 101 (or 151)
- MATH 233A
- STAT 260 (or 255), 261 (or 256)
- STAT 353, 354
- One of STAT 350, 355, 357, 450, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)
This set of courses must include at least 9 units numbered 200 or higher that do not form part of the requirements of the Honours or Major degree. Any course disqualified from the Minor Program by overlap with the requirements of the Honours or Major Program may be replaced by another Mathematics or Statistics course at the same level or higher. Only one Minor may be declared on any degree program.

Combined Mathematics and Statistics Program Requirements
Honours: Mathematics and Statistics
- MATH 100, 101, 122
- CSC 110, 115 (or 242)
- MATH 200, 201, 233A, 233C
- STAT 260, 261
- Two of MATH 322, 325, 377
- MATH 333A, 333C, 334, 352, 434, 438
- STAT 350, 353, 450
- Three of MATH 452, STAT 354, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)
- 1.5 additional units of Mathematics and Statistics courses numbered 300 or higher

Major: Mathematics and Statistics
- MATH 100, 101, 122
- CSC 110, 115 (or 242)
- MATH 200, 201, 233A, 233C
- STAT 260, 261
- MATH 322 or 325
- MATH 330A, 330B, 333A, 377
- STAT 350, 353, 354, 453
- One of MATH 352, STAT 450, 454, 455, 456, 457, 458, 459

Combined Chemistry and Mathematics Program Requirements
For a BSc degree in Combined Chemistry and Mathematics, students may take a Major or Honours program. These programs are not joint degrees in Chemistry and Mathematics, but a single degree program composed of a selected combination of courses from each of the departments. Students opting for either of these combined programs must contact the Chemistry and Mathematics 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 200 ......................................................... 1.5
- CHEM 091, 101, 101b ........................................ 1.5
- CHEM 102 ....................................................... 1.5
- CHEM 212, 213, 222, 231, 235, 245 ................. 9.0
- CSC 110, 115 (or 242) ...................................... 3.0
- MATH 100, 101, 200, 201, 233A, 233C .......... 9.0
- PHYS 112 ......................................................... 3.0
- Elective ......................................................... 1.5

Third and Fourth Years
- CHEM 347, 352, 353, 364 ............................... 6.0
- CHEM 318 and 361, or 324 and 362, or 335 and 363 ...... 3.0
- CHEM 499 ......................................................... 3.0
- Courses numbered 300 or higher chosen from the Mathematics and Statistics Department in consultation with that Department .......................... 3.0
- Electives ......................................................... 6.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 120 and 220, or PHYS 102 and 120.

Major: Chemistry and Mathematics

First and Second Years
- BIOC 200 ......................................................... 1.5
- CHEM 091, 101, 101b ........................................ 1.5
- CHEM 102 ....................................................... 1.5
- CHEM 212, 213, 222, 231, 235, 245 ................. 9.0
- CSC 110, 115 (or 242) ...................................... 3.0
- MATH 100, 101, 200, 201, 233A, 233C .......... 9.0
- PHYS 112 ......................................................... 3.0
- Elective ......................................................... 1.5

Third and Fourth Year
- CHEM 347, 352, 353, 364 ............................... 6.0
- CHEM 318 and 361, or 324 and 362, or 335 and 363 ...... 3.0
- MATH 325, 326, 330A, 330B, 333A ................. 7.5
- MATH 332 or 333C ......................................... 1.5
- Chemistry and/or Mathematics and Statistics courses number 400 or higher .......................... 3.0
- Electives ......................................................... 9.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 120 and 220, or PHYS 102 and 120.

Computer Science and Mathematics, and Computer Science and Statistics Program Requirements
For a BSc degree in Combined Computer Science and Mathematics or Computer Science and Statistics, students may take a Major or Honours program. These programs are not joint degrees in Computer Science and Mathematics or Computer Science and Statistics, but a single degree program composed of selected courses from each
of the Departments. Students opting for any of these combined programs must contact the Computer Science and Mathematics and Statistics Departments, and will be assigned an adviser from each of these Departments. Students considering future graduate work in Computer Science, Mathematics or Statistics must consult with their advisers prior to making their final choice of courses.

Students who wish to be admitted to one of the Combined Honours programs should apply in writing to the Honours Advisers of the departments on completion of their second year. 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 MATH 333A and 334 for the Mathematics option, or STAT 350 and 355 for the Statistics option), and have obtained a GPA of at least 6.0 in all 300-level Computer Science, Mathematics and Statistics courses taken.

Honours students are expected to maintain a GPA of at least 5.0 in their third year to remain in the program.

A student in a Combined Honours program who achieves a graduating average of at least 6.5 will be recommended for an Honours degree “With Distinction.”

### Honours: Computer Science and Mathematics

#### First and Second Years

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>MATH 100, 101, 122</td>
<td>4.5</td>
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<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
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<tr>
<td>ENGR 240</td>
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<td>MATH 200 (or 205), 201, 222, 233A, 233C</td>
<td>7.5</td>
</tr>
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<tbody>
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</tr>
<tr>
<td>CSC 320, 326, 349A, 349B</td>
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Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above (4.5 units), are counted as part of the 18.0 units required for the major.

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Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above (4.5 units), are counted as part of the 18.0 units required for the major.

### Honours: Computer Science and Statistics

#### First and Second Years

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Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above (4.5 units), are counted as part of the 18.0 units required for the major.

### Major: Computer Science and Mathematics

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Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above (4.5 units), are counted as part of the 18.0 units required for the major.

### Major: Computer Science and Statistics

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<tr>
<td>CSC 320, 326, 349A, 349B</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above (4.5 units), are counted as part of the 18.0 units required for the major.

### Electives

2. Three of CSC 425, 445, 449, 484
3. One additional course from each of the two Departments
4. Electives
5. Electives
6. Electives
7. Electives

### Total

18.0 units

### Honours: Physics and Mathematics Program Requirements

#### Honours: Physics and Mathematics

Admission to the third and fourth years of the Honours Program in Physics and Mathematics requires the permission of both the Department of Physics and Astronomy and the Department of Mathematics and Statistics. An Honours degree “With Distinction” will be granted to a student whose GPA, calculated on the best 30 units of approved 300- and 400-level courses, is at least 6.5.

### First and Second Years

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>MATH 100, 101, 200, 201</td>
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</tr>
<tr>
<td>MATH 233A, 233C</td>
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<tr>
<td>CHEM Electives</td>
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<td>Electives</td>
<td>9.0 or 7.5</td>
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#### Total

30.0 units

### Third and Fourth Years

<table>
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<td>MATH 100, 101, 200, 201</td>
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#### Total

36.0 units
4. Electives chosen from Mathematics courses numbered 300 or higher. These electives must be chosen in consultation with the Department of Mathematics and Statistics.

5. Elective chosen from Physics and Astronomy courses numbered 300 or higher. This elective must be chosen in consultation with the Department of Physics and Astronomy.

**Mathematics and Statistics Co-operative Education Program**

The Co-operative Education Program in the Faculty of Science is described on page 164. 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 89. 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 work term. Students who fail to achieve satisfactory standing on an academic term or satisfactory completion of a work term may be required to withdraw from the program.

Each work term is recorded on the student’s academic record and transcript. The granting of work term credit by challenge is permitted and is governed by the co-op regulations (see page 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.

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**Department of Physics and Astronomy**

J. Michael Roney, BSc (Car), MSc (McG), PhD (Car), Professor and Chair of the Department

Arif Babul, BSc (Tor), PhD (Prin), Professor

Fred L. Cooperstock, BSc (Man), PhD (Brown), Professor

Christopher J.R. Garrett, BA, PhD (Cantab), FRs, FRSc, LANSLowne Professor of Ocean Physics

F. David A. Hartwick, BEng (McGill), MA, PhD (Tor), Professor

Dean Karlen, BSc (Alta), PhD (Stanford), R.M. Pearce Professor of Physics

Richard K. Keeler, BSc (McGill), MSc, PhD (UBC), Professor

Michel Lefebvre, BSc (Laval), PhD (Cantab), Professor

Eric L. Kanze, BSc (UBC), MSc, PhD (Washington), Professor

Julio Navarro, BSc, PhD (Universidad Nacional de Cordoba), CIAR Scholar and Professor

Charles E. Picciotto, AB, MA, PhD (Calh), Professor

Christopher J. Pritchett, BSc (Sask), MSc, PhD (Tor), Professor

Colin D. Scarfe, BSc, MSc (UBC), PhD (Cantab), Professor

Don A. VanandBerg, BSc (Leth), MSc (Uvic), PhD (ANU), FRSc, Professor

Arthur Watton, BSc (Imp Coll, Lond), PhD (McMaster), Professor

Robert V. Kowalewski, BS (Rotche), PhD (Cornell), Associate Professor

Maxim Pospelov, MSc (Novosibirsk), PhD (Budker), Associate Professor

Kimberley A. Venn, BSc (Tor), MSc, PhD (Texas-Austin), Associate Professor

Byoung-Chul Choi, Diplom (Aachen), PhD (Freie Universität), Assistant Professor

Sara L. Ellison, MPhys (Kent), PhD (Cantab), Assistant Professor and Canada Research Chair

Hendrik Hoekstra, Doctorandus, PhD (Groningen), Assistant Professor

Andrew J. Jirasek, BSc (Calg), MSc (Guelph), PhD (UBC), Assistant Professor

Jody M. Klymak, BSc (Uvic), MSc, PhD (Washington), Assistant Professor

Adam Ritz, BSc (Tasmania), MSc (Melbourne), PhD (Imperial College), Assistant Professor

Geoffrey M. Steeves, BSc, PhD (Alta), Assistant Professor

**Research Faculty**

Werner Israel, OC, BSc, MSc (Cape Town), Scholar (Dublin), PhD (Trinity), FRs, FRSc, CIAR Fellow and Adjunct Professor

Randall J. Sobie, BSc, MSc, PhD (Tor), IPP Scientist and Adjunct Professor

Robert A. McPherson, BA (UBC), MA, PhD (Prin), IPP Scientist and Adjunct Associate Professor

Jon P. Willis, BSc (Glasgow), PhD (Cantab), Assistant Professor Limited Term

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**Administrative and Academic Professionals**

Charles R. Card, BA (Reed Coll), Senior Scientific Assistant

Peter M. Cross, BSc (Uvic), Coordinator, Co-operative Education Program

Susan Green, BEd (Uvic), Administrative Officer

Douglas McKenzie, BSc (Uvic), Senior Laboratory Instructor

Howard Peng, BEng (Uvic), Programmer

Robin D. Rempel, BSc (Uvic), Laboratory Instructor

Russell M. Robb, BSc (Calg), Senior Scientific Assistant

Danilo Rosa, BSc (Concordia), Senior Laboratory Instructor

Alexander Schmid, BSc (Uvic), Laboratory Instructor

Martin Simmons, BSc (Uvic), Laboratory Instructor

Alexander van Netten, BSc, MSc, PhD (Uvic), A. Eng. dip at von Karman Institute for Fluid Dynamics, Laboratory Supervisor

Alexander Y. Wong, BSc (Uvic), Senior Laboratory Instructor

Nikiforos Zapidantis, BSc (UBC), Senior Programmer Analyst

---

**Visiting, Adjunct and Cross-listed Appointments**

Alan Astbury, BSc, PhD (Liverpool), FRS, FRSc, Adjunct Professor and Emeritus Professor

Harvey A. Buckmaster, BSc (Alta), MA, PhD (UBC), Adjunct Professor

David Crampton, BSc, PhD (Tor), Adjunct Professor

Harry W. Dusso, BA, MSc, PhD (UBC), Adjunct Professor and Emeritus Professor

Harold W. Fearing, BA (Kan), MSc, PhD (Stan), Adjunct Professor

James E. Hesser, BA (Kan), MA, PhD (Prin), Adjunct Professor

Robert E. Horita, BASc, MASC, PhD (UBC), Adjunct Professor and Emeritus Professor

John Hutchings, PhD (Cantab), BSc, MSc (Rand), Adjunct Professor

John W. McDonald, BSc, MSc (Saskatchewan), PhD (U of Ottawa), Adjunct Professor

Arthur Olin, BSc (McGill), PhD (Harv), Adjunct Professor
Lyle P. Robertson, BA, MA, PhD (UBC), Adjunct Professor and Emeritus Professor
Thomas J. Rath, BSc (St. Francis Coll.), MA (Coll of William & Mary), MA, PhD (Clark), Adjunct Professor
Alan M. Shottler, BSc (London), PhD (Oxford), Adjunct Professor
Peter B. Stetson, BA, MA (Wesleyan U), MSc, PhD (Yale), Adjunct Professor
Edward L. Tomusiak, BSc, MSc (Alta), PhD (McGill), Adjunct Professor
Sidney van den Bergh, AB (Prince), MSc (Ohio St), Dr. Rer Nat (Gött), FRS, FRSC, Adjunct Professor
Gordon A.H. Walker, BSc (Edinburgh), PhD (Cantab), Adjunct Professor
William Ansbacher, BSc, PhD (Otago), Adjunct Associate Professor
Wayne A. Beckham, BSc, MSc (Otago), PhD (Adelaide), Adjunct Associate Professor
Patrick Côté, BSc (Western Ont.), MSc, PhD (McMaster), Adjunct Associate Professor
Laura Ferrari, Laurea Degree (Padova, Italy), MA, PhD (Johns Hopkins), Adjunct Associate Professor
Doug Johnston, BA (Tor), MSc, PhD (UC Berkeley), Adjunct Associate Professor
Jean-Pierre Véran, MSc, PhD (École Nat. Sup. des Télécomm. - Paris), Adjunct Associate Professor
Stephenson Yang, BSc, MSc, PhD (UBC), Adjunct Associate Professor
Sergei, F. Zavgorodni, BSc, (Kazakh State University, USSR), PhD (Institute for Nuclear Physics, Tomsk, USSR), Adjunct Associate Professor
Scott C. Chapman, BSc, MSc, PhD (UBC), Adjunct Assistant Professor
James Di Francesco, BSc (Tor), PhD (Texas), Adjunct Assistant Professor
J.J. Kavelaars, BSc (Guelph), MSc (Queen’s), Adjunct Assistant Professor
Paul H. Lim, BSc (Imp Coll, Lond), MSc (Western), PhD (UVic), Adjunct Assistant Professor
Antonio I. Popescu, Diploma (Bucharest), PhD (Kentucky), Adjunct Assistant Professor
David Schade, BSc, MSc, PhD (UVic), Adjunct Assistant Professor
Luc Simard, BSc (Queen’s), MSc, PhD (UVic), Adjunct Assistant Professor
Derek M. Wells, BSc (Calgary), MSc (Alta), PhD (Clemson), Adjunct Assistant Professor

**Physics and Astronomy**

**Undergraduate Degree Programs**

The Department offers the following BSc degree programs:
- General, Minor, Major and Honours in Physics
- Major and Honours in Astronomy
- Combined Major and Honours in Physics and Astronomy

- Combined Honours in Physics and Mathematics
- Combined Major and Honours in Physics and Earth Sciences (Geophysics)
- Combined Major and Honours in Physics and Ocean Sciences (Physical Oceanography)
- Combined Major and Honours in Physics and Computer Science
- Combined Major and Honours in Physics and Biochemistry

A student may complete a Minor in Physics by completing the requirements for the General Program in Physics in conjunction with the requirements for an Honours or Major Program offered by another Department (which need not be in the Faculty of Science).

A BSc degree in Physics provides a sound basis for entry to graduate programs of study in fields such as Atmospheric Science, Geophysics and Oceanography.

**Courses of General Interest**

The courses 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 189.

**Program Requirements**

**Notes on Course Requirements**

- The course sequences below are designed for a four-year program. Students in the Co-op program will take longer than four years and should consult the Co-op supervisor. Others may consult the undergraduate adviser.
- Physics 12 and Mathematics 12 are required for entry into the Physics and Astronomy undergraduate programs. For all sequences, PHYS 120 is intended for students planning a career in Physics or Astronomy and who have attained at least a B standing in each of Physics 12 and Mathematics 12.
- Those with less than a B standing and planning a career in Physics or Astronomy, or those planning a career in some other Physical Science (such as Chemistry or Earth and Ocean Sciences), should take PHYS 112.
- Students planning to take Honours programs should normally also have completed Chemistry 11 and 12. Advanced placement is available for students with high standing in both Mathematics 12 and Physics 12.
- Students should consult the timetable or the Department to confirm which courses are offered in any particular term.
- Where consent of the Department is specified as a course prerequisite, this consent must be obtained from the Department Chair or the Chair’s nominee.
- A student may obtain at most 4.5 units of credit from 100-level Physics courses.

**Honours Programs: General Regulations**

- Admission to the third and fourth years of the Honours programs requires the permission of the Department.
- Admission to the Combined Honours Physics and Mathematics program requires the permission of both the Department of Physics and Astronomy and the School of Earth and Ocean Sciences (SEOS).

**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.

**2006-07 UVIC CALENDAR**

**Physics Programs: Course Requirements Honours Program in Physics**

**Year 1**

- PHYS 120 and 220, or 112 ........................................... 3.0
- MATH 100 and 101 ................................................... 3.0
- CSC 110 ................................................................... 1.5
- CHEM electives1 ...................................................... 3.0
- Electives ................................................................... 4.5
- Total ........................................................................ 15.0

**Year 2**

- PHYS 214, 215 and 216 ............................................. 4.5
- PHYS 220 .................................................................. 1.5
- MATH 200, 201 and 233 ......................................... 4.5
- Electives .................................................................. 4.5 or 6.0
- Total ....................................................................... 15.0

**Year 3**

- PHYS 317, 321A, 321B, 323, 325 and 326 ................. 9.0
- PHYS 313 or 314 ....................................................... 1.5
- MATH 326, 330A and 330B .................................... 4.5
- MATH 323 or 325 ..................................................... 1.5
- Total ..................................................................... 16.5

**Year 4**

- PHYS 410, 421, 422, 423, 429A and 429B ................. 9.0
- PHYS 460 ................................................................. 0.0
- PHYS electives3 ....................................................... 9.0
- Total ..................................................................... 18.0

1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. CSC 242 is strongly recommended in second year. ASTR 200A, 200B, 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

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<tr>
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<tr>
<td>CSC 11[ ]</td>
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1. Only for students who took PHYS 112.
2. CSC 242 is strongly recommended in second year. ASTR 200A, 200B, PHYS 210, CSC 115, 225 and 230 are also recommended.
3. 1.5 units of electives in this program must be chosen from Physics and Astronomy courses numbered 300 or higher.

Astronomy Programs: Course Requirements

Honours Program in Astronomy

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<tbody>
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<td>PHYS 321A and B</td>
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</table>

1. Only for students who took PHYS 112.
2. CSC 242 and MA TH 233A are strongly recommended in second year. PHYS 210, CSC 115, 225 and 230 are also recommended.
3. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. They can be reduced to 3 units if ASTR 200A and 200B were taken in third year. These electives must be chosen in consultation with the Department.

Major Program in Astronomy

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<tbody>
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</table>

1. Only for students who took PHYS 112.
2. ASTR 200A and 200B should normally be taken in second year. Students entering the third year without having completed ASTR 200A and 200B will normally be required to take these courses in third year. ASTR 303 and 304 should then be deferred to fourth year. Students electing to take ASTR 400, 402 or 405 in third year may defer ASTR 304 to the fourth year.
3. CSC 242 and MA TH 233A are strongly recommended in second year. PHYS 210, CSC 115, 225 and 230 are also recommended.

Three units of Chemistry are recommended in this program. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

Combined Physics and Astronomy Program Requirements

Combined Honours in Physics and Astronomy

<table>
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<tr>
<th>Year 1</th>
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## FACULTY OF SCIENCE

### 2006-07 UVIC CALENDAR

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#### Year 2
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#### Year 4
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</table>

1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. PHYS 200A and 200B should normally be taken in second year. Students entering the third year without having completed ASTR 200A and 200B will normally be required to take these courses in third year. ASTR 303 and 304 should then be deferred to fourth year. Students electing to take ASTR 400, 402 or 405 in third year may defer ASTR 304 to the fourth year.
4. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.

### Combined Physics and Earth Sciences (Geophysics) Program Requirements

#### Combined Honours in Physics and Earth Sciences (Geophysics)

#### Year 1
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<th>Units</th>
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#### Year 2
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#### Year 3
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#### Year 4
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<td>PHYS 460 or EOS 570</td>
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<td>EOS 410, 480</td>
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<td>EOS 499, or PHYS 429A and 429B</td>
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1. Only for students who took PHYS 112.
2. Chosen from EOS 310, 320, 430, 440, 460, 470. PHYS 431, PHYS 431 is strongly recommended.
3. Combined Physics and Mathematics Program Requirements

### Combined Physics and Mathematics Program Requirements

#### Combined Honours in Physics and Mathematics

#### Year 1
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#### Year 2
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#### Year 3
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#### Year 4
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1. Only for students who took PHYS 112.
2. Chosen from EOS 310, 320, 430, 440, 460, 470. PHYS 431, PHYS 431 is strongly recommended.
3. Combined Physics and Astronomy. The EOS electives must be chosen in consultation with the Department of Physics and Astronomy.
### Combined Major in Physics and Earth Sciences (Geophysics)

**Year 1**
- PHYS 120 and 220; or 112 ........................................... 3.0
- EOS 110, 120 .............................................................. 3.0
- MATH 100, 101 ............................................................ 3.0
- CHEM 101, 102 ............................................................ 3.0
- CSC 110 ................................................................. 1.5
- Elective ................................................................. 1.5
- **Total** ................................................................. 15.0

**Year 2**
- PHYS 210 or EOS 210 .................................................. 1.5
- PHYS 214, 215, 216 .................................................... 4.5
- PHYS 220 ................................................................. 1.5
- EOS 201, 202, 205 ...................................................... 4.5
- MATH 200, 201 ............................................................ 3.0
- Elective2 ................................................................. 0.5 or 1.5
- **Total** ................................................................. 15.0

**Year 3**
- PHYS 317, 321A, 326 ................................................... 3.0
- EOS 300 ................................................................. 1.5
- MATH 323 or 325 ...................................................... 1.5
- MATH 326, 330A, 330B ........................................... 4.5
- Elective ................................................................. 1.5
- **Total** ................................................................. 15.0

**Year 4**
- PHYS 323, 411 .......................................................... 3.0
- PHYS 427 or EOS 427 ................................................. 1.5
- EOS 410, 480 ............................................................... 3.0
- PHYS/EOS elective3 .................................................... 1.5
- Electives ................................................................. 3.0
- **Total** ................................................................. 15.0

1. Only for students who took PHYS 112.
2. CSC 242 and MATH 233A are strongly recommended in second year. CSC 115, 225 and 230 are also recommended.
3. Chosen from EOS 310, 320, 340, 440, 460, 470, PHYS 431. PHYS 431 is strongly recommended.

### Combined Major in Physics and Ocean Sciences (Physical Oceanography) Program Requirements

**Combined Honours in Physics and Ocean Sciences (Physical Oceanography)**

**Year 1**
- PHYS 120 and 220; or 112 ........................................... 3.0
- EOS 110, 120 .............................................................. 3.0
- MATH 100, 101 ............................................................ 3.0
- CHEM 101, 102 ............................................................ 3.0
- CSC 110 ................................................................. 1.5
- Elective ................................................................. 1.5
- **Total** ................................................................. 15.0

**Year 2**
- PHYS 214, 215, 216 .................................................... 4.5
- PHYS 220 ................................................................. 1.5
- EOS 340 ................................................................. 1.5
- MATH 200, 201, 233A .............................................. 4.5
- Electives2 ................................................................. 3.0 or 4.5
- **Total** ................................................................. 15.0

**Year 3**
- PHYS 317, 321A, 325, 326 ........................................... 3.0
- EOS 340 ................................................................. 1.5
- MATH 323 or 325 ...................................................... 1.5
- MATH 326, 330A, 330B ........................................... 4.5
- Elective ................................................................. 1.5
- **Total** ................................................................. 15.0

**Year 4**
- PHYS 323, 411, 426 ................................................... 4.5
- EOS 431 ................................................................. 1.5
- EOS 433 or 435 ........................................................ 1.5
- Electives ................................................................. 7.5
- **Total** ................................................................. 15.0

1. Only for students who took PHYS 112.
2. CSC 242 is strongly recommended in second year. PHYS 210, CSC 115, 225 and 230 are also recommended.
3. Chosen from PHYS courses numbered 300 and above. The Physics electives must be chosen in consultation with the Department of Physics and Astronomy.

### Combined Physics and Computer Science Program Requirements

**Combined Honours in Physics and Computer Science**

**Year 1**
- PHYS 120 and 220, or 112 ........................................... 3.0
- MATH 100, 101 and 122 ............................................. 4.5
- CSC 110, 115 and 212 ................................................. 4.5
- ENGL 115 or 135 ........................................................ 1.5
- Elective ................................................................. 1.5
- **Total** ................................................................. 15.0

**Year 2**
- PHYS 214, 215 and 216 ............................................. 4.5
- PHYS 220 ................................................................. 1.5
- MATH 200, 201 and 233A ........................................... 4.5
- CSC 225, 230 and 242 ................................................. 4.5
- SENG 265 ................................................................. 1.5
- ENGR 240 ................................................................. 1.5
- **Total** ................................................................. 16.5 or 18.0

**Year 3**
- PHYS 325 and 326 ..................................................... 3.0
- MATH 326, 330A and 330B ....................................... 4.5
- MATH 323 or 325 ...................................................... 1.5
- CSC 320, 349A, 349B, 355 and 360 ............................ 7.5
- **Total** ................................................................. 16.5

**Year 4**
- PHYS 317, 321A, 321B, 323 and 422 .......................... 7.5
- CSC 499 or PHYS 429B ............................................ 1.5
- PHYS electives5 ........................................................ 4.5
- CSC electives3 ........................................................ 4.5
- **Total** ................................................................. 18

1. Only for students who took PHYS 112.
2. Physics electives must be at the 300 or higher level and must be chosen in consultation with the Department of Physics and Astronomy.
3. 4.5 units of other Computer Science courses must be at the 400 level and may include CENG 420 or 1.5 units of SENG courses; they must be chosen in consultation with the Department of Computer Science.
4. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

### Combined Major in Physics and Computer Science

**Year 1**
- PHYS 120 and 220, or 112 ........................................... 3.0
- MATH 100, 101 and 122 ............................................. 4.5
- CSC 110, 115 and 212 ................................................. 4.5
- ENGL 115 or 135 ........................................................ 1.5
- Elective ................................................................. 1.5
- **Total** ................................................................. 15.0

**Year 2**
- PHYS 214, 215 and 216 ............................................. 4.5
- PHYS 220 ................................................................. 1.5
- MATH 200, 201 and 233A ........................................... 4.5
- CSC 225, 230 and 242 ................................................. 4.5
- SENG 265 ................................................................. 1.5
- ENGR 240 ................................................................. 1.5
- **Total** ................................................................. 16.5 or 18.0
### Year 3

<table>
<thead>
<tr>
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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**

### Year 1

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### Year 2

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### Year 3

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<td>BCMB 301A, 301B</td>
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1. Must have credit for Biology 11/12 or BIOC 150A and 150B or equivalent.
2. Only for students who took PHYS 112.
3. CSC 242 is strongly recommended.
4. Chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.

One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

#### Combined Major in Physics and Biochemistry

### Year 1

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### Year 2

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### Year 3

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<td>15.0</td>
</tr>
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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.

#### 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 program are normally required to obtain credit for a W ork T erm. The ninth W ork T erm 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.
Facility 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 197.)

Students may obtain a BA in Mathematics or Statistics through the Faculty of Social Sciences. For information, please see page 193.

**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.

#### Substitution of Elective Credit for Required Courses
With the consent of the department offering the student's degree, and with the permission of the Director of Academic Advising, students may substitute up to 3 units of 300- and 400-level elective credit for required courses at the 300 and 400 level in a Faculty of Social Sciences degree program. Such permission is invalid if a student withdraws from the degree program of the department that provided the consent.

Students should review individual department entries in the Calendar for information on the use or substitution of elective credit.

**Credit for Studies at Other Universities**

Students who wish courses taken at other universities (including universities with which the University of Victoria has formal student exchange agreements) to be credited towards a degree program in the Faculty of Social Sciences must receive prior written approval, in the form of a Letter of Permission, from the Director of Academic Advising. This applies particularly to courses at the 300 and 400 level and to courses which are included in the last 15 units of a degree program. To be eligible for a Letter of Permission to take courses elsewhere, the student must have completed, or be registered in, no less than 6 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit indicated on a Letter of Permission for courses to be taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 31).

Upon successful completion of such courses, the student must request the Registrar of the other institution to send an official transcript of record to Undergraduate Records at the University of Victoria.

Due to the delay in obtaining official transcripts from other universities, students completing their degree requirements at another institution during the second term of the Winter Session (January-April) are not eligible to graduate at

### Faculty of Social Sciences Programs

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<thead>
<tr>
<th>Faculty of Social Sciences Programs</th>
<th>BA</th>
<th>BSc</th>
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<tr>
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<tr>
<td>Economics</td>
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<tr>
<td>Environmental Studies</td>
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<td>Geography</td>
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<td>Indigenous Studies</td>
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<tr>
<td>Sociology</td>
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</table>

1. Business Option available
2. Can only be taken as a second component of a Double Major or Joint Honours and Major program
3. See page 210
4. Combined Honours and Major programs also offered; see department entries

Note: All Honours and Major programs may be taken with a Co-operative Option.
Students may file an RDP 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, (see page 29)

2. A minimum of 60 units of courses numbered 100 and above, of which:
   - at least 30 must normally be completed at UVic
   - at least 21 units are numbered at the 300 or 400 level; 18 of these units must be taken at UVic

3. Years One and Two: Students must take a variety of courses across departments or schools at the University.
   - In the first 15 units (representing Year One):
     - not more than 9 units may be taken from any single department
     - a minimum of 3 units must be taken from at least two other departments
   - In the next 15 units (representing Year Two):
     - not more than 12 units may be taken from a single department
     - at least 3 units must be taken from one other department

For additional requirements for Honours, Major and General Degree Programs, refer to the individual program descriptions, below.

**Enrolment Requirements**

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.
Honours Programs
Bachelor of Arts
  Anthropology
  Economics
  Geography
  Mathematics
  Political Science
  Psychology
  Sociology
  Statistics
Bachelor of Science
  Economics
  Geography
  Psychology
Combined Honours Programs
  Biology and Psychology
  Geography and Earth Sciences (Geosciences)
  Geography and Earth Sciences (Geotechnics APEGBC)
Double Honours Program
With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Social Sciences, both leading to the same degree (BA or BSc).

Interfaculty Double Honours Program
If a student elects to complete an Honours Program in the Faculty of Social Sciences and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Record of Degree form (PADRE). If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program
A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Social Sciences and both leading to the same degree (BA or BSc). The Honours Program will be listed first on the student's Record of Degree form (PADRE).

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Interfaculty Joint Honours and Major Program
A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student's Record of Degree form (PADRE), and students will be subject to the regulations of the faculty in which they are registered.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Major Program
The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program generally is also a good preparation for a professional or business career.

Requirements of the Major Program
A student in a Major Program must satisfy the requirements common to all bachelor's degrees in the Faculty, listed above.

Each department has its own requirements for its Major Programs, which include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at UVic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs
Bachelor of Arts
  Anthropology
  Economics
  Geography
  Mathematics
  Political Science
  Psychology
  Sociology
  Statistics
Bachelor of Science
  Economics
  Geography
  Psychology
Combined Major Programs
  Geography and Computer Science (Geomatics)
  Geography and Earth Sciences (Geosciences)
  Geography and Earth Sciences (Geotechnics APEGBC)
  Psychology and Biology
  Psychology and Computer Science

Double Major Program
A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Social Sciences, both leading to the same degree (BA or BSc).

If one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Combined Major with a Major Program
A student can complete one of the Combined Major Programs listed above with another Major Program (in this faculty or in another faculty), but the discipline of the Major Program must not be either of the disciplines of the Combined Major Program.
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 211)
- Film Studies (see page 211)
- Indigenous Studies (see page 212)
- Music (see page 103)
- Professional Writing in Journalism and Publishing (see page 110)

**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 213)
- European Studies (see page 212)
- Religious Studies (see page 212)
- Indigenous Studies (see page 212)

**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 should refer to the Co-op entry under the appropriate department entry.

To qualify for admission to the undergraduate Environmental Studies Co-operative Education Program, a student must be enrolled in a double Major program offered by the School of Environmental Studies. Students in Environmental Studies should refer to the School’s calendar entry on page 197 or consult the Co-op office of their other Major.

For Graduate Co-op, students are referred to the UVic Graduate Calendar. Applicants for Social Sciences Co-op must be registered in at least 6 units of course work per term and must have achieved at least a 4.5 GPA in first year. Specific GPA requirements of individual departments may vary; refer to the entries of individual departments. A formal interview to determine the student’s interests, abilities and aptitudes will be required before admission.

To continue in the program, students must continue to be enrolled full time in a program leading to an Honours or Major BA or BSc degree in one of the Social Science disciplines and must maintain the GPA set by the department.

To receive the Co-op designation upon graduation, students must maintain the required GPA, complete satisfactorily the Work Term Preparation program, and successfully complete at least four work terms. Details of Co-op work terms are recorded on the transcript.

A student may transfer from the Co-op program to the regular degree program at any time.

**Department of Anthropology**

Margot E. Wilson, BA, MA (Toronto), MA, PhD (Southern Methodist), Associate Professor and Chair of the Department
Heather Botting, BA, MA, PhD (Alberta), MA (Calgary) Senior Instructor
Hilary Demirdirek, BA, M. Phil (Norway), PhD (Oslo), Assistant Professor
Leland H. Donald, BA (Emory), PhD (Ore), Professor

Lisa Gould, BA, MA (Alberta), PhD (Wash U St L) Associate Professor
Yin Lam, BA (Harvard), MA (Alberta), MA (Stony Brook), PhD (Stony Brook), Assistant Professor
Quentin Mackie, BA, MA (UVic), PhD (Southampton), Assistant Professor
Margo L. Matvychuk, BA (Winn), MPhil, PhD (CUNY), Assistant Professor
Lisa M. Mitchell, BA (Alberta), MA (McMaster), PhD (CWRU), Assistant Professor
April Nowell, BA, MA (McMaster), PhD (Pennsylvania), Assistant Professor
Eric A. Roth, BA (Missouri), MA, PhD (Toronto), Professor
Peter H. Stephenson, BA (Ariz), MA (Calg), PhD (Toronto), Professor
Andrew Walsh, BFA (UVic), MA, PhD (York U), Assistant Professor
Rebecca (Becky) Wigen, BA (Washington), MA (UVic) Senior Lab Instructor

**ANTHROPOLOGY PROGRAMS**

The Department of Anthropology offers General, Minor, Major and Honours Programs leading to the degree of Bachelor of Arts.

**PROGRAM REQUIREMENTS**

**Honours Program**

Students normally apply for entry into the Honours Program at the end of their second year. Applications are made directly to the Departmental Honours Adviser.

**First Year**
- ANTH 100

**Second Year**
- ANTH 200, 240 and 250, with a minimum GPA of 6.5 in these three courses
- Permission of the Department for entry into the third-year Honours program

**Third and Fourth Years**

Students must:
- secure a GPA of at least 6.0 in upper-level Anthropology courses and maintain a cumulative GPA of at least 6.0
GPA of 5.5 to continue in the program in the fourth year
• fulfill the requirements of the Major Program as listed below, plus an additional 7.5 units as follows:
  - ANTH 316, and 400A or 400B, and 499; and
  - 1.5 units of courses in data analysis techniques, approved by the Department; and
  - an additional 1.5 units of 300- or 400-level courses offered by the Department.

Honours Graduating Standing
In addition to University requirements concerning Honours Degrees, the Department of Anthropology requires a GPA of 6.5 or higher in upper-level courses in Anthropology to qualify for an Honours Degree “With Distinction.” A student who fails to attain a GPA of 4.0 or higher in an Honours Program but who completes the requirements for the Major Degree will not qualify for an Honours degree but may be awarded a Major Degree.

Major Program
First Year
• ANTH 100
Second Year
• ANTH 200, 240 and 250
Third and Fourth Years
• Ethnology: 1.5 units from ANTH 323, 325, 329, 330, 332, 336, 337, 338, 391
• Archaeology: 3 units from ANTH 341, 342, 343, 344, 347, 348, 349, 392, 449
• Cultural Anthropology: 3 units from ANTH 306, 309, 305, 306, 310, 312, 335, 393, 405, 406, 419, 420
• Physical Anthropology: 3 units from ANTH 350, 351, 355, 394, 450, 451, 453
• Method and Theory: 3 units from ANTH 309, 311, 316, 317, 318, 395, 400A, 400B, 401, 402, 409, 418, 441
  - Plus 1.5 additional units from the above courses
  - Plus 1.5 units of Linguistics as offered by the Linguistics Department or 1.5 units of ANTH 396

General and Minor 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 192. 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 for admission to the program, students must normally have a minimum GPA of 5.5 in Anthropology courses and 4.5 overall. In addition to these grade and course requirements, admission will also be based on a student’s interests, abilities and the results of a formal interview.

Students interested in participating in the co-op program should normally apply in their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 5.5 in Anthropology courses and a cumulative GPA of 4.5 overall. Each work term is recorded on the student’s official transcript of academic record (as COM, N or F). A student may withdraw from the Anthropology co-op program and graduate with the normal Anthropology BA degree without the co-op designation.

Work term credit by challenge, as outlined on page 45, is permitted in the Anthropology co-op program.

Further information concerning the Anthropology co-op program is available from the Department and from the Social Sciences Co-operative Education office.

Department of Economics
Donald G. Ferguson, BA, MA, PhD (Tor.), Associate Professor and Chair
Kenneth L. Avio, BSc (Ore), MS, PhD (Purdue), Professor
Merwan H. Engineer, BA (UBC), MA, PhD (Queen’s), Professor
David E. A. Giles, BSc, MCom, PhD (Cant.), Professor
Carl A. Mosk, AB (Calif-Berk), MS (MIT), PhD (Harv), Professor
Malcolm Rutherford, BA (Herriot-Watt), MA (SFU), PhD (Durt), Professor
Joseph Schaufussma, BA, MA (McMaster), PhD (Tor), Professor and Chair
G. Cornelis van Kooten, BSc, BA (Albertha), PhD (Oregen State), Professor and Canada Research Chair
Judith A. Clarke, BSc, MSc (Monash), PhD (Cant), Associate Professor
Peter W. Kennedy, BCom (NSW), MA, PhD (Queen’s), Associate Professor
Daniel Rondeau, BA (Sherbrooke), MA (Guelph), MA (Cornell), PhD (Cornell), Associate Professor

Program Requirements
Notes on Course Requirements
1. Mathematics requirements for Major and Honours programs should normally be completed by the end of the second year.
2. The statistics requirements, ECON 245 and 246, or equivalent, for Major or Honours programs should normally be completed by the end of second year and must be completed by the end of third year.

Although the Department prefers and recommends ECON 245, STAT 260 can be substituted, provided the minimum grade requirements specified for ECON 245 are satisfied in STAT 260. Although the Department prefers and recom-
mends ECON 246, STAT 261 can be substituted, provided the minimum grade requirements specified for ECON 246 are satisfied in STAT 261. Students seeking admission to the BCom program should be aware that ECON 245 and 246 may be substituted for STAT 252 in satisfying the entry requirements for that program. Applicants to the BCom program who may wish to major in Economics in the event they are not admitted are advised that they should take ECON 245 and 246 rather than STAT 252. STAT 252 cannot be used to satisfy the program requirements for Economics.

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.

Students wishing to proceed to graduate studies in Economics are advised to include ECON 245 and 246 in their undergraduate program.

5. CSC 105 is intended primarily for students in Economics or the Business School. Students who have completed or are currently registered in ECON 103 and ECON 104 will be given priority; other students will be admitted on an availability basis. Although the Department prefers and recommends CSC 105, CSC 110 may be substituted for CSC 105.

6. ECON 225 is required for all Major and Honours programs in Economics. It should normally be completed by the end of the second year and must be completed by the end of the third year. Students are advised that a comprehension and writing test will be given during the first seven calendar days from the start of ECON 225. Students failing that test will be deregistered from ECON 225 and directed to enrol in a remedial English course.

7. ECON 103 and 104 may be repeated once in order to satisfy minimum grade requirements or to pass these courses. To attempt either of these courses a third time, written permission must be obtained from the Economics Undergraduate Adviser. These courses may not be attempted more than three times.

**BA Program Requirements**

### BA Major

1. ECON 103 and 104, with a GPA of at least 3.0 in the two courses and at least a C in each course
2. MATH 102 and 140, or 100 and 140, or 100 and 101 (see Note 1)
3. CSC 105 (see Note 5)
4. 1.5 units of first-year English
5. 1.5 units of another course offered by the Faculty of Social Sciences (other than a course in statistics or quantitative methods) or HIST 205, or PHIL 220, or PHIL 223
6. ECON 203 and 204 and 313
7. ECON 245 and 246, with at least a C+ in 245 (see Note 2)
8. ECON 225
9. ECON 250 and 251, with at least a C+ in 250
10. ECON 353
11. ECON 365 and 366
12. ECON 400 and 401
13. At least one of ECON 450, 451, 452, 453, 454, 465, 466 or 467
14. An additional 4.5 units of Economics courses numbered 300 and above

### BA Honours

In addition to the requirements for the BA Major:

1. In ECON 103 and 104, a GPA of at least 5.5 in the two courses and at least a B in each course
2. In ECON 203, 204 and 313, normally at least a B- in each course
3. In ECON 245 and 246, at least a B in 245 and at least a B- in 246
4. ECON 314 or 333 or 401
5. ECON 400 may be substituted for 313, as long as the minimum grade requirement is satisfied
6. ECON 399 and 499
7. In addition to the other specific course requirements, an additional 12 units of Economics courses numbered 300 and above
8. 3 upper-level units in another subject or subjects

Also see Other Requirements for BA and BSc Honours Programs, below.

### BSc Program Requirements

#### BSc Major

1. ECON 103 and 104, with a GPA of at least 3.0 in the two courses and at least a C in each course
2. MATH 102 and 140, or 100 and 140, or 100, 101, 200 and 233A (see Note 1)
3. CSC 105 (see Note 5)
4. 1.5 units of first-year English
5. 1.5 units of another social sciences course (other than a course in statistics or quantitative methods) or HIST 205, or PHIL 220, or PHIL 223
6. ECON 203 and 204 and 313
7. ECON 245 and 246, with at least a C+ in 245 (see Note 2)
8. ECON 225
9. ECON 250 and 251, with at least a C+ in 250
10. ECON 353
11. ECON 365 and 366
12. ECON 400 and 401
13. At least one of ECON 450, 451, 452, 453, 454, 465, 466 or 467
14. An additional 4.5 units of Economics courses numbered 300 and above

### BSc Honours

In addition to the requirements for the BSc Major:

1. In ECON 103 and 104, a GPA of at least 5.5 in the two courses and at least a B in each course
2. In ECON 203, 204 and 313, normally at least a B- in each course
3. In ECON 245 and 246, at least a B in 245 and at least a B- in 246
4. ECON 314 or 333 or 401
5. ECON 400 may be substituted for 313, as long as the minimum grade requirement is satisfied
6. ECON 399 and 499
7. In addition to the other specific course requirements, an additional 12 units of Economics courses numbered 300 and above
8. 3 upper-level units in another subject or subjects

Also see Other Requirements for BA and BSc Honours Programs, below.

### Double Major Programs

Students seeking a Double Major with another discipline in which a BSc designation is offered will receive a BSc only if the Economics BSc requirements have been satisfied.

### Other Requirements for BA and BSc Honours Programs

Admission to an Honours program, which should be sought at the end of the second year, normally requires at least a B- in each of ECON 203, 204 and 313. Application is to the Undergraduate Adviser. Honours students are required to:

1. maintain a GPA of at least 6.0 in courses taken within the Department in the third and fourth years;
2. complete ECON 399 in their third year and ECON 499 in their fourth year;
3. complete a thesis by the end of their fourth year.

### Honours Graduation Standing

An Honours degree “With Distinction” requires:

1. a graduating average of at least 6.5;
2. a GPA of at least 6.5, computed on the basis of all upper-level courses taken within the Department, except ECON 499;
3. at least a B in ECON 499.

### Minors

The rules governing minors are determined by the faculty; those relating to the Faculty of Social Sciences are given on page 194.

### 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
Students interested in participating in the co-op program should normally apply in 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.

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**Environmental Studies Programs**

**Degree Programs**

The School of Environmental Studies offers an interdisciplinary program, with courses that examine systemic aspects of environmental issues and explore solutions that cut across the boundaries of traditional disciplines. There is also the recognition that many aspects of local, national and international environmental problems are inextricably connected to our dominant cultural values, and attendant political, social, economic and educational institutions.

The intellectual strength of the School is supported by three distinctive, interdisciplinary research specialties: ethnoecology, ecological restoration and political ecology. Each professor in the School typically has a primary and at least one secondary specialty, which creates an even richer interdisciplinary setting. These specialties infuse the undergraduate curriculum, provide the primary subject areas for graduate studies and define the research activities of the School's academic staff. Each of these three specialties corresponds to a theme, and together these form the motto of the School: Respect, Restore, Sustain (matching ethnoecology, restoration and political ecology, respectively).

Students are required to combine studies in a traditional discipline with their Environmental Studies program in order to obtain a degree notation that includes Environmental Studies. Students undertake the Major in Environmental Studies together with a Major in another department (a Double Major, see Major Program, page 193) or a Major with an Honours Program (Honours/Major, see Honours Program, page 192) or a Major in another Faculty (see Interfaculty Joint Honours and Major, page 193). 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 194).
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 199.

#### Limitation of Enrollment

Students are advised that because of restricted facilities and staff, it may be necessary to limit enrollment in certain Environmental Studies courses. Access will be determined in the first instance by strict adherence to prerequisites, including third-year standing for all courses except ES 200. Preference is given to students completing Major and Minor degree programs in Environmental Studies. Academic standing may be taken into account in determining enrollment in third- and fourth-year courses.

### Program Requirements

#### Course Prerequisites

Students are advised of the following prerequisites:

- ES 200 or 300A is a prerequisite for all other ES courses.
- 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 330).

#### 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 (see page 193) which involves completing the Major in Environmental Studies and the appropriate degree program in another faculty.

2. A minimum grade of B- in ES 200 or 300A, or permission of Director, is required for entry to the Major program in Environmental Studies.

3. A first- and second-year program that includes ES 200 and courses selected from at least two of the Faculties of Social Sciences, Science and Humanities. At least 3 units in each of the two faculties are required.

#### Recommended Courses

##### Science

- BIOC 201 (1.5)
- BIOL 190A (1.5), 190B (1.5), 215 (1.5)
- CHEM 101 (1.5), 102 (1.5)
- ES 110 (1.5), 120 (1.5)
- MICR 200 (3)
- PHYS 102 (3)

##### Social Sciences

- ANTH 100 (1.5), 200 (1.5)
- ECON 103 (1.5), 104 (1.5)
- GEOG 101 (1.5), 101B (1.5), 214 (1.5)
- GEOG 209 (1.5)
- POLI 101 (1.5), 102 (1.5)
- SOCI 100 (1.5)

##### Humanities

- ENGL 115 (1.5), 135 (1.5), 215 (1.5), 225 (1.5)
- GRS 100 (3)
- HIST 105 (3), 260 (1.5)
- PHIL 100 (3), 220 (1.5), 232 (1.5)
- WS 110 (1.5), 210 (1.5)

4. Three units in quantitative concepts and methods, preferably through STAT 100, 105 or 110 and STAT 255, but this requirement may also be met by the following alternative courses:

   - ANTH 316 and 317 or ECON 245 and 246 or GEOG 226 and 326
   - PHIL 203
   - PSYC 300A and 300B
   - SOCI 371A and 371B
   - STAT 255 and 256

When the outside Major or Honours program requires the 3 units of quantitative concepts/methods, the course(s) chosen to satisfy this requirement may form part of that Major or Honours program.

5. A minimum of 15 upper-level Environmental Studies units selected as follows:

   (i) 7.5 units of upper-level core courses to be taken in the third and fourth years, including:

   - ES 301 (1.5)
   - ES 321 (1.5)
   - ES 341 (1.5)
   - plus 3.0 units selected from:
     - ES 310 or ES 344 (BIOL 330) (1.5)
     - ES 312 (ECON 381) (1.5)
     - ES 314 (PHIL 333) (1.5)
     - ES 318 or ES 348 (ER 313) (1.5)
     - ES 320 (BIOL 370) (1.5)

   (ii) 7.5 additional units selected from the following:

   - Environmental Studies
     - ES 380-382, 402, 404, 412, 414, 417, 418, 419, 421, 423, 428, 430 (ANTH 401), 446, 461, 462, 470, 480-482, 490. The courses not selected in (i) above may also be used to meet this requirement.

   Although they are no longer offered, the following courses can also be used: ES 300B, 350, 352, 353, 400A-D, 410, 416, 420, 422, 424, 426, 432, 450.

   With the approval of the Director, up to 4.5 units of upper-level courses from other departments and schools may be chosen. The following are examples of approved courses:

   - **Sciences**
     - BIOL 300 (3.0) General Biochemistry
     - BIOS 311 (1.5) Biological Oceanography
     - BIOL 408 (1.5) The Biology of Pollution
     - CHEM 302 (1.5) Industrial Chemistry with Special Reference to Air Pollution
     - CHEM 303 (1.5) Industrial Chemistry with Special Reference to Water Pollution
     - PHYS 310A (1.5) Physics and Technology of Energy
   
   - **Social Sciences**
     - ANTH 304 (1.5) Technology in Culture
     - ECON 430A (1.5) Natural Resource Economics
     - ECON 430B (1.5) Topics in Natural Resource Economics
     - GEOG 450 (1.5) Decision Making in Resource Management
     - GEOG 455 (1.5) (formerly 459A and B) Parks and Wilderness
     - POLI 357 (1.5) The Politics of Environmental and Natural Resource Policy
     - PSYC 350 (3.0) Environmental Psychology
     - SOCI 465 (1.5) Environmental Sociology
   
   - **Humanities**
     - GRS 376 (1.5) Ancient Science and Technology
     - HIST 396 (1.5) Special Topics in the History of Science
     - PHIL 332 (1.5) Philosophy and Technology Education
     - EDIC 468 (1.5) Environmental Issues Education
   
   Note: None of the courses selected in 4(i) and 4(ii) will be counted toward the Environmental Studies Major if they are declared as part of the outside Major or Honours requirements.

### General and Minor Programs

1. A minimum grade of B- in ES 200 or 300A, or permission of Director, is required for entry to the General program in Environmental Studies.

2. The first and second years of the General program include ES 200 and courses selected from at least two faculties (Humanities, Science and Social Sciences). At least 3.0 units in each of two faculties are required. Please refer to Course Pre-requisites, above.

#### Recommended Courses

- **Sciences**
  - BIOL 201 (1.5)
  - BIOL 190A (1.5), 190B (1.5), 215 (1.5)
  - CHEM 101 (1.5), 102 (1.5)
  - CSC 100 (1.5) or 110 (1.5), 105 (1.5), 200 (1.5)
  - MICR 200 (3.0)
  - PHYS 102 (3.0)
  - STAT 255 (1.5)

- **Social Sciences**
  - ANTH 100 (1.5), 200 (1.5)
ENVIRONMENTAL STUDIES CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 194. 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

Entry into the Environmental Studies co-op program is restricted to full-time students (those taking 6 or more units per term) who are proceeding to a double Major program offered by the School of Environmental Studies, and whose other Major is in a department within the Faculty of Social Sciences. To be considered for admission to the program, students normally require a minimum cumulative GPA of 5.0. Each work term will alter 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. 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 cooperation with the Division of Continuing Studies.

The Diploma requires 18 units of coursework. 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 Task Force on 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 312B ..........................................................1.5
   ER 313 (ES 318 or 348) .......................................1.5
   ER 314 .............................................................1.5
   ER 325 ................................................................1.5
   ER 326 (ES 353 or 423) .......................................1.5
   ER 327 .............................................................1.5
   ER 328 ................................................................1.5

   Further information concerning the Restoration of Natural Systems 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.

2006-07 UVIC CALENDAR

3. 6 units of electives chosen from ER 329, 330, 331, 333, 334, 335A, 335B, 336, 338 (A-D) and other courses, including transfer credit, if not previously used towards a degree, subject to the approval of the faculty coordinator

4. The following courses:
   ER 390 (1.5) Environmental Restoration Project
   ER 400 (0) Seminar in Environmental Restoration

Department of Geography

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. McCann, BA (UVic), MA, PhD (Alta), Professor
K. Olaf Niemann, BSc (Queen’s), MSc, PhD (Alta), Professor
J. Douglas Porteous, BA, MA (Oxon), PhD (Hall), Professor
Dan J. Smith, BES, MA (Wat), PhD (Alta), Professor
S. Martin Taylor, BA (Bristol), GCE (Leeds), MA, PhD (UBC), Professor and Vice-President, Research
Stanton E. Tuller, BA (Ore), MA, PhD (Calif, LA), Professor
David Duffies, BSc, MSc (Regina), PhD (UVic), Associate Professor
Dennis E. Jelinski, BSc (Brandon), MSc (Calg) PhD (SFU), Associate Professor and Director of the Bamfield Marine Sciences Centre
Ian Walker, BSc (Tor), PhD (Guelph), Associate Professor
Rosaline Canessa, BSc (McGill), MSc (Heriot-Watt), PhD (UVic), Assistant Professor
Denise S. Cloutier-Fisher, BSc (Calg), MA, PhD (Guelph), Assistant Professor
Maycira Costa, HBSC (Rio Grande), MSc (Nat Inst for Space Research), PhD (UVic), Assistant Professor
Jutta Guthberlet, BA (Estadual de Sao Paulo), MA, PhD (Tubingen), Assistant Professor
Trisalyn Nelson, BSc, MSc (UVic), PhD (WLU), Assistant Professor
Ian J. O’Connell, BA, MA (Cork), PhD (UVic), Senior Instructor
John Fowler, BSc (Nfld), MSc (UVic), Senior Laboratory Instructor
John H. Newcomb, BA, MPA, MA (UVic), Senior Laboratory Instructor and Undergraduate Advising
Catherine Steckler, BSc, MSc (UVic), Senior Laboratory Instructor

FACULTY OF SOCIAL SCIENCES
### GEOGRAPHY PROGRAMS

The Geography Department offers General, Minor, and Honours programs leading to BSc degrees. The Department also offers combined programs in Geography and Computer Science, and 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 Undergraduate Adviser or the Geography Honours Adviser.

#### Limitation of Enrollment

Students are advised that because of limited facilities and staff it may be necessary to limit enrollment in certain Geography courses.

#### Notes on Course Requirements

1. All Departmental and course prerequisites will be strictly enforced.

2. Access to 300- and 400-level Geography courses is restricted to students with at least third-year status. 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 (see Note 1 below)</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12.0</td>
</tr>
<tr>
<td><strong>Total Units:</strong></td>
<td>15.0</td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Notes 1 and 2 below)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 209, 211, 218 (see Notes 1 and 3 below)</td>
<td>4.5</td>
</tr>
<tr>
<td>Courses outside the Faculty of Social Sciences</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td>Courses from the Faculty of Social Sciences other than Geography</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td>Electives (see Note 4 below)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total Units:</strong></td>
<td>15.0</td>
</tr>
</tbody>
</table>

**Third and Fourth Years**

Minimum 15 upper-level Geography units as specified for the BA Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<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></td>
</tr>
<tr>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>Minimum 9.0 additional course units</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9.0</td>
</tr>
<tr>
<td><strong>Total Units:</strong></td>
<td>30.0</td>
</tr>
</tbody>
</table>

1. The following course prerequisites for several other courses and require a minimum grade of B- for students to progress to the next level:

   GEOG 101A, 101B, 110, (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.

2. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above must consult with a Geography Adviser before registering in either GEOG 226 or STAT 260 (see page 32).
### BSc Major Program

#### First Year
- GEOG 101A and GEOG 101B (see Note 1 below) ........................................... 3.0
- GEOG 110 and 120, or EOS 110 and 120 (see Note 1 below) ......................... 3.0
- CSC 100 or 200 level ......................................................................................... 1.5
- One of MATH 100, 102 or 151 ........................................................................... 1.5
- Courses from Biology/Chemistry/Physics .................................................. 3.0
- Electives outside the Faculties of Science and Engineering, and Geography ... 1.5
- Total Units: ....................................................................................................... 15.0

#### Second Year
- GEOG 222, 226 and 228 (see Notes 1 and 2 below) ..................................... 4.5
- At least two courses from GEOG 209, 211, 218 (see Notes 1 and 3 below) ... 3.0
- Courses outside the Faculties of Science and Engineering, and Geography ... 3.0
- Electives .......................................................................................................... 1.5
- Total Units: ....................................................................................................... 15.0

#### Third and Fourth Years
- Minimum 15 upper-level Geography units as specified in the BSc Major ........ 15.0
- GEOG 324 ....................................................................................................... 1.5
- GEOG 499 ....................................................................................................... 3.0
- Course outside the Faculties of Science and Engineering, and Geography ... 1.5
- Minimum 9.0 additional course units ......................................................... 9.0
- Total Units: ....................................................................................................... 30.0

1. The following courses are prerequisites for several other courses and require a minimum grade of B- for students to progress to the next level: GEOG 101A, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.
2. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Adviser before registering in either GEOG 226 or STAT 260 (see page 32).
3. Students interested in pursuing two or more areas from the following list: Geomatics, Physical Geography, Human Geography or Resource Management, should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

### BA General and Minor Programs

#### First Year
- GEOG 101A and 101B (see Note 1 below) ..................................................... 3.0
- Courses outside the Faculty of Social Sciences ........................................... 3.0
- Electives .......................................................................................................... 9.0
- Total Units: ....................................................................................................... 15.0

#### Second Year
- GEOG 222, 226 and 228 (see Notes 1 and 2 below) ..................................... 4.5
- At least two courses from GEOG 209, 211, 218 (see Notes 1 and 3 below) ... 3.0
- Courses outside the Faculties of Science and Engineering, and Geography ... 3.0
- Electives .......................................................................................................... 4.5
- Total Units: ....................................................................................................... 15.0

#### 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, 474, 475, 476, 477, 478, 480 ........................................ 3.0

### BSc Honours Program

#### First Year
- GEOG 101A and GEOG 101B (see Note 1 below) ........................................... 3.0
- GEOG 110 and 120, or EOS 110 and 120 (see Note 1 below) ......................... 3.0
- CSC 100 or 200 level ......................................................................................... 1.5
- One of MATH 100, 102 or 151 ........................................................................... 1.5
- Courses from Biology/Chemistry/Physics .................................................. 3.0
- Electives outside the Faculties of Science and Engineering, and Geography ... 1.5
- Total Units: ....................................................................................................... 15.0

#### Second Year
- GEOG 226 (see Notes 1 and 2 below) ........................................................... 1.5
- GEOG 209, 211, 218 (see Notes 1 and 3 below) ........................................... 4.5
- Courses outside the Faculty of Social Sciences other than Geography .......... 3.0
- Electives from the Faculty of Social Sciences ............................................. 3.0
- Electives (see Note 4 below) ......................................................................... 3.0
- Total Units: ....................................................................................................... 15.0

#### Third and Fourth Years
- At least two courses from GEOG 306, 347A, 347B, 382, 383, 384, 388, 482, 483 ................................................................................... 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

1. The following courses are prerequisites for several other courses and require a minimum grade of B- for students to progress to the next level: GEOG 101A, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.
2. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Adviser before registering in either GEOG 226 or STAT 260 (see page 32).
3. Students interested in pursuing two or more areas from the following list: Geomatics, Physical Geography, Human Geography or Resource Management, should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

### 2006-07 UVIC Calendar

Minimum 9 upper-level Geography units chosen by the student .............................................. 9.0
Minimum 21 additional course units ............................................................. 21.0
Total Units: ....................................................................................................... 30.0

1. The following courses are prerequisites for several other courses and require a minimum grade of B- for students to progress to the next level: GEOG 101A, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.
2. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Adviser before registering in either GEOG 226 or STAT 260 (see page 32).
3. Students interested in pursuing two or more areas from the following list: Geomatics, Physical Geography, Human Geography or Resource Management, should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.
BSc General and Minor Programs

First Year
GEOG 101A (see Note 1 below) .................................. 1.5
GEOG 110 and 120, or EOS 110 and 120 (see Note 1 below) .......................... 3.0
CSC 100 or 200 level .................................................. 1.5
One of MATH 100, 102 or 151 .................................. 1.5
Courses from Biology/Chemistry/Physics .................. 3.0
Course outside the Faculties of Science and Engineering, and Geography ........ 1.5
Electives ................................................................... 3.0
Total Units ................................................................... 15.0

Second Year
GEOG 226 (see Notes 1 and 2 below) ......................... 1.5
GEOG 222 (see Note 1 below) ................................. 1.5
At least one course from GEOG 101B, 209, 211, 218, 222 (see Notes 1 and 3 below) 1.5
Other courses from the Faculties of Science and Engineering ....................... 4.5
Course outside the Faculties of Science and Engineering, and Geography ........ 1.5
Electives ................................................................... 4.5
Total Units ................................................................... 15.0

Third and Fourth Years
At least one course from GEOG 319, 322, 323, 325, 326, 328, 329, 418, 420, 422, 428 .................. 1.5
At least one course from GEOG 370, 372, 373, 374, 376, 379, 474, 475, 476, 477, 480, 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 course units chosen by the student ...... 4.5
Minimum 21 additional course units .................................. 21.0
Total Units ................................................................... 30.0

1. The following courses are prerequisites for several other courses and require a minimum grade of B- for students to progress to the next level:
GEOG 101A, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.
2. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Adviser before registering in either GEOG 226 or STAT 260 (see page 32).
3. Students interested in pursuing two or more areas from the following list: Geomatics, Physical Geography, Human Geography or Resource Management, should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

Combined Programs in Geography and Earth Sciences (Geoscience and Geotechnic)
The Department of Geography and the School of Earth and Ocean Sciences have designed two programs leading to a Combined BSc Major or Honours Degree.
• The Geoscience program is aimed at students whose interests span the fields of Physical Geography and Earth Sciences.
• The Geotechnic program is intended to prepare students for a professional designation.

The Department of Geography, the School of Earth and Ocean Sciences and the University of Victoria assume no responsibility for students' acceptance into the Association of Professional Engineers and Geoscientists of BC (APEGBC) during or after completing either of the programs. APEGBC has more requirements beyond course work, and reserves the right to set standards and change their requirements at any time. For information, see their website at <www.apecb.bc.ca>.

Students intending to pursue one of these combined programs must consult with the Undergraduate Adviser in either Geography or the School of Earth and Ocean Sciences after completing all of the first-year requirements. Admission to the Combined Honours in Geography and Earth Sciences Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

Geography and Earth Sciences (Geoscience) Program Requirements

First Year
GEOG 101A (see Note 1 below) .................................. 1.5
EOS 110 and 120, or GEOG 110 and 120 (see Note 1 below) .................. 3.0
CSC 100 or 110 ....................................................... 1.5
CHEM 101, 102 ....................................................... 3.0
MATH 100, 101 ....................................................... 3.0
PHYS 112 ............................................................. 3.0
Total Units ................................................................... 15.0

Second Year
EOS 201, 202, 205, 240 (see Note 2 below) ............... 6.0
GEOG 222 (see Note 1 below) ................................. 1.5
GEOG 376 ............................................................. 1.5
CHEM 245 ............................................................. 1.5
MATH 201, 205 ....................................................... 5.0
EOS 210 or PHYS 210 ............................................. 1.5
Total Units ................................................................... 15.0

Third and Fourth Years (BSc Combined Major)
GEOG 228 (see Note 1 below) .................................. 1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ........... 1.5
EOS 340 ............................................................... 1.5
EOS 440 or GEOG 370 ........................................... 1.5
EOS 450 or GEOG 476 ........................................... 1.5
EOS 300 or GEOG 477 ........................................... 1.5
One of EOS 403, 425, 430, 480 .................................. 1.5
Two of GEOG 319, 322, 325, 328 .............................. 3.0
Minimum 9.0 additional upper-level Geography or EOS units chosen by the student .................................. 9.0
Minimum 7.5 additional course units ............................. 7.5
Total Units ................................................................... 30.0

Third and Fourth Years (BSc Combined Honours)
GEOG 228 (see Note 1 below) .................................. 1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ........... 1.5
EOS 340 ............................................................... 1.5
EOS 440, 450, 480 .................................................. 4.5
EOS 300 or GEOG 477 ........................................... 1.5
EOS 319 or 322 ...................................................... 1.5
GEOG 370, 379 ....................................................... 3.0
GEOG 476 ............................................................. 1.5
Minimum 3 additional upper-level Geography or EOS units chosen by the student ....... 3.0
Minimum 7.5 additional course units ............................. 7.5
Total Units ................................................................... 30.0

Third and Fourth Years (BSc Combined Honours)
GEOG 228 (see Note 1 below) .................................. 1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ........... 1.5
EOS 340 ............................................................... 1.5
EOS 440, 450, 480 .................................................. 4.5
EOS 300 or GEOG 477 ........................................... 1.5
EOS 319 or 322 ...................................................... 1.5
GEOG 328 ............................................................. 1.5
GEOG 370, 379 ....................................................... 3.0
Minimum 9.0 additional upper-level Geography or EOS units chosen by the student ....... 9.0
Minimum 4.5 additional course units ............................. 4.5
Total Units ................................................................... 30.0

1. The following courses are prerequisites for several other courses and require a minimum grade of B- for students to progress to the next level:
GEOG 101A, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.
2. The CHEM 222 pre- or corequisite for EOS 240 is waived for students in the combined programs in Geography and Earth Sciences (Geoscience and Geotechnic).
3. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Adviser before registering in either GEOG 226 or STAT 260 (see page 32).

Geography and Earth Sciences (Geotechnic) Program Requirements

First Year
GEOG 101A ............................................................. 1.5
EOS 110 and 120, or GEOG 110 and 120 .................. 3.0
CSC 100 or 110 ....................................................... 1.5
CHEM 101, 102 ....................................................... 3.0
MATH 100, 101 ....................................................... 3.0
PHYS 112 ............................................................. 3.0
Total Units ................................................................... 15.0

Second Year
EOS 201, 202, 205, 240 (see Note 2 below) ............... 6.0
GEOG 222 (see Note 1 below) ................................. 1.5
GEOG 376 ............................................................. 1.5
CHEM 245 ............................................................. 1.5
MATH 201, 205 ....................................................... 5.0
EOS 210 or PHYS 210 ............................................. 1.5
Total Units ................................................................... 15.0

Third and Fourth Years (BSc Combined Major)
GEOG 228 (see Note 1 below) .................................. 1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ........... 1.5
EOS 340 ............................................................... 1.5
EOS 310 or 320 ...................................................... 1.5
EOS 440, 450, 480 .................................................. 4.5
EOS 300 or GEOG 477 ........................................... 1.5
EOS 319 or 322 ...................................................... 1.5
GEOG 328 ............................................................. 1.5
GEOG 370, 379 ....................................................... 3.0
GEOG 476 ............................................................. 1.5
Minimum 3 additional upper-level Geography or EOS units chosen by the student ....... 3.0
Minimum 7.5 additional course units ............................. 7.5
Total Units ................................................................... 30.0

Third and Fourth Years (BSc Combined Honours)
GEOG 228 (see Note 1 below) .................................. 1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ........... 1.5
EOS 340 ............................................................... 1.5
EOS 310 or 320 ...................................................... 1.5
EOS 440, 450, 480 .................................................. 4.5
EOS 300 or GEOG 477 ........................................... 1.5
EOS 319 or 322 ...................................................... 1.5
GEOG 328 ............................................................. 1.5
GEOG 370, 379 ....................................................... 3.0
GEOG 476 .................................................................1.5
EOS 499 or GEOG 499 .............................................3.0
Minimum 3 additional upper-level Geography or EOS units chosen by the student. .................................3.0
Minimum 4.5 additional course units ....................................................4.5
Total Units: ..............................................................................30.0

1. The following courses are prerequisites for several other courses and require a minimum grade of B- for students to progress to the next level: GEOG 101A, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228,
2. The CHEM 222 pre- or corequisite for EOS 240 is waived for students in the combined programs in Geography and Earth Sciences (Geoscience and Geotechnics).
3. GEOG 226 and STAT 268: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Adviser before registering in either GEOG 226 or STAT 268 (see page 32).

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 Geography or Computer Science after completing all of the first-year requirements.

Geography and Computer Science (Geomatics) Program Requirements

First Year

CSC 110, 115, 212 .........................................................4.5
ENGL 115 or 135 .......................................................1.5
GEOG 101A, 101B ......................................................3.0
MATH 102 and 151, or MATH 100 and 101 ..........3.0
MATH 122 .................................................................1.5
electives ..........................................................1.5
Total Units: ......................................................................15.0

Second Year

CSC 225, 230 ..............................................................3.0
ENGR 240 (see Note 1 below) .........................1.5
GEOG 222, 226, 228 ..................................................4.5
SENG 265 .................................................................1.5
electives ..........................................................1.5
total Units: ......................................................................15.0

Third Year

CSC 360, 370 ..............................................................3.0
GEOG 319 or 322 (see Note 2 below) .................1.5
GEOG 328 or 329 ......................................................1.5
GEOG 323, 325 ...........................................................3.0
SENG 310 .................................................................1.5
CSC 300-level elective ..............................................1.5
electives ..........................................................1.5
Total Units: ......................................................................15.0

Fourth Year

GEOG 422, 428 ..............................................................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 ..........................................................4.5
Total Units: ......................................................................15.0

1. ENGL 225 can be substituted for ENGR 240.
2. Students interested in remote sensing wishing to advance to GEOG 422 are encouraged to take both GEOG 319 and 322.
3. CSC 405 requires MATH 233A as a prerequisite.
4. These 3 units of CSC courses at the 400 level may include CENG 420 and/or 1.5 units of SENG at the 400 level.

Geography Co-operative Education Program

The Co-operative Education Program in the Faculty of Social Sciences is described on page 192. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 45.

The Geography Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Geography-related positions in the public, private or non-profit sectors.

Admissions to the Geography Co-op Program

Entry into the Geography co-op program is restricted to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the Department. To be considered for admission to the program, students normally require a minimum GPA of 6.0 in Geography courses and 5.0 overall. In addition to these grade and course requirements, admission will also be based on a student's interests, abilities and the results of a formal interview.

Students interested in participating in the co-op program should normally apply in their first or second year of studies. Under special circumstances, students may also be admitted directly from high school (Early Admission) with a minimum equivalent qualification of a B average in Geography, Math, English and one other academic subject taken in the BC Provincial Government Grade 12 examinations. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 6.0 in Geography courses and 5.0 overall. Each work term is recorded on the student's official transcript of academic record (as COM, N or F). A student may withdraw from the Geography co-op program and graduate with the normal Geography BA or BSc degree without the co-op designation.

Work term credit by challenge, 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.

Geographers who complete the Geography co-op program can enter related graduate programs in Geography, Natural Resources, Land Information Systems, Environmental and Urban Planning, as well as related fields, with a competitive advantage.

Physical Geography

GEOG 370 (1.5) Hydrology
GEOG 372 (1.5) Physical Climatology
GEOG 373 (1.5) Applied Climatology
GEOG 374 (1.5) Biogeography
GEOG 376 (1.5) Geomorphology I
GEOG 377 (1.5) Applied Geomorphology
GEOG 379 (1.5) Pedology
GEOG 474 (1.5) Advanced Biogeographical Concepts
GEOG 475 (1.5) Boundary Layer Climatology
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GEOG 476 (1.5) Geomorphology II
GEOG 477 (1.5) Field Studies in Physical Geography
GEOG 478 (1.5) Advanced Applied Geomorphology
GEOG 480 (1.5) Advanced Hydrology

Human Geography
GEOG 306 (1.5) Geography of Canada
GEOG 314 (1.5) Global Environmental Change and Human Response
GEOG 327 (1.5) Qualitative Methods in Human Geography
GEOG 340 (1.5) Geography of the City
GEOG 343 (1.5) Planning and Urban Development
GEOG 344 (1.5) Urban Problems of Pacific Rim Developing Countries
GEOG 346 (1.5) Geography of Environment and Health
GEOG 347A (1.5) Geography of Economic and Cultural Change: Developed World
GEOG 347B (1.5) Geographies of Development
GEOG 382 (1.5) Geography of Southeast Asia
GEOG 383 (1.5) Physical and Cultural Geography of China
GEOG 384 (1.5) Geography of Japan
GEOG 385 (1.5) Environmental Aesthetics
GEOG 386 (1.5) World Political Geography
GEOG 388 (1.5) Regional Studies
GEOG 425 (1.5) Survey Methods and Analysis in Geography
GEOG 431 (1.5) Geography of Tourism
GEOG 440 (1.5) Interpreting the Suburban Landscape
GEOG 441 (1.5) The Design and Planning of Cities
GEOG 442 (1.5) Geography of Chinatowns and Chinese Migration
GEOG 445 (1.5) Social Planning and Community Development
GEOG 448 (1.5) Urban Social Geography and Planning
GEOG 472 (1.5) Disaster Planning
GEOG 473 (1.5) Medical Geography
GEOG 482 (1.5) Special Topics in the Geography of Southeast Asia
GEOG 483 (1.5) Political and Economic Geography of China
GEOG 485 (1.5) Landscapes of the Heart

Resource Management
GEOG 350 (1.5) Geography of Resource Management
GEOG 353 (1.5) Coastal and Marine Resources I
GEOG 357 (1.5) Protected Areas: Principles and Concepts
GEOG 371 (1.5) Water Resources Management
GEOG 375 (1.5) Forest Resource Management
GEOG 450 (1.5) Decision Making in Resource Management
GEOG 453 (1.5) Coastal and Marine Resources II
GEOG 456 (1.5) Wildlife Resource Management
GEOG 457 (1.5) Protected Areas: Management Challenges
GEOG 458 (1.5) Marine Aquaculture: Social, Economic and Environmental Dimensions

Department of Political Science

Colin J. Bennett, BSc, MSc Econ (Wales), PhD (III), Professor and Chair of the Department
A. Claire Cutler, BA (Brit Col), MSc (LSE), LLB (McGill), PhD (Brit Col), Professor
Radhika Desai, BA (Baroda), MA, PhD (Queen's), Associate 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
Oliver Schmidtke, Dipl (Phillips-Universität), PhD (European Univ. Inst., Florence) Associate Professor and Acting Director of the European Studies Program
Dennis Pilon, BA, MA (SFU), PhD (York)

J. H. Tully, BA (Brit Col), PhD (Camb), Professor
Amy C. Verduin, MA (Amsterdam), PhD (European Univ. Inst., Florence), Professor
R. J. (Rob) Walker, BA (Wales), MA, PhD (Queen's), Professor
Michael C. Webb, BA (Brit Col), MSc (LSE), PhD (Stan), Associate Professor
R. Jeremy Wilson, BA, MA (Alta), PhD (Brit Col), Professor
Gaoguang 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
Herman Bakvis, BA (Queen's), MA, PhD (UBC), Cross-listed Professor
Robert Bedeski, BA (Calif), MA, (Calif), PhD (Calif), Adjunct Professor and Emeritus Professor
Frank Cassidy, BBA (CCNY), AM, PhD (Stan), Cross-listed Associate Professor
Jeff Corntassel, BA (Calif), MA (Ariz), PhD (Ariz), Cross-listed Assistant Professor
Gerald Dirks, BA (Brit Col), MA (Queen's), PhD (Toronto), Adjunct Professor
Derek Fraser, LLB, BA (Brit Col), Adjunct Professor

Colin MacLeod, BA (Queen's), MA (Dal), MA, PhD (Cornell), Cross-listed Associate Professor
Peter Meekison, BSc, BA (Brit Col), MA (WOnt), PhD (Duke), Adjunct Professor
J. Terence Morley, BA (Dal), PhD (Queen's), Adjunct Associate Professor and Emeritus Professor
Jeremy Rayner, BA (Camb), MA (Durham), PhD (Brit Col), Adjunct Associate Professor
Norman J. Ruff, BSc (Econ) (Southampton), MA (McMaster), PhD (McGill), Emeritus Professor
Gordon Smith, BA (McGill), PhD (MIT), Adjunct Professor
Reg Whitaker, BA, MA (Carleton), PhD (Toronto), Adjunct Professor

POLITICAL SCIENCE PROGRAMS

The Department of Political Science offers General, Minor, Major and Honours programs leading to the BA degree. The Department also offers courses toward an interdisciplinary Minor in European Studies. See page 212 for further information. Third- and fourth-year students not enrolled in the General, Minor, Major or Honours programs may take any third- or fourth-year course in Political Science for which no prerequisite or other restriction is specified.

Information about current course offerings is available from the Departmental Office (Room A323) in the Cornett Building (721-7486) or from the Department's web page <web. uvic.ca/polisci>. Students intending to major in Political Science should consult the Department's Majors Adviser when planning their programs for the third and fourth years.

PROGRAM REQUIREMENTS

Honours Program

Students will be admitted to the Honours Program in Political Science, at the discretion of the Department, at the beginning of the third year. Students must have a minimum GPA of 6.0 in at least 6 units of Political Science courses numbered at the 100 or 200 level. To continue in the program in the fourth year, students must secure a GPA of at least 6.5 in Political Science courses taken during the third year, and maintain an overall sessional GPA of 6.0.

Students wishing to be admitted to the Honours program must contact the Political Science Honours adviser in writing no later than May 31 preceding the year in which they wish to take POLI 338 and 339, and be admitted to third-year Honours. Admission decisions will be made by the Honours adviser no later than the beginning of winter-session registration (in late June). POLI 338 and 339 normally are taken in the student's third year, and 499 in the fourth year. Students are advised that because of limited staff and facilities, it may be necessary to limit enrollment in the Honours program.

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
Major and Honours Programs (European Studies Concentration)
The Department of Political Science offers an interdisciplinary concentration in European Studies for Major and Honours students in Political Science. The concentration provides students with a specialized training in European politics, history, culture and languages as well as an educational or work experience in a European country. Students wishing to concentrate in European Studies must plan their program in consultation with the Director of European Studies. Major and Honours students in Political Science who wish to graduate with a concentration in European Politics must complete:

1. POLI 211 and 311
2. 4.5 units of additional approved courses on European Politics chosen from: POLI 300A, 300B, 300C, 314, 340, 379, 414, 431 and any of POLI 319, 349 or 433 on (approved) European topics. For other courses, students need permission from the Director of European Studies.
3. 6 units of courses on European History or Culture, including at least 3 units at the 300 level or above, to be approved by the Director of European Studies
4. 9 units of courses in a modern European Language (e.g., French, German, Italian, Russian or Spanish)
5. one term of course work (in accordance with University regulations and approved by the Director of European Studies) at a European University, or a European Co-op position, or a minimum of three months of work experience in Europe (approved by the Director of European Studies)

Admissions to the Political Science Co-op Program
Entry into the Political Science co-op program is restricted to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the Department. To be considered for admission to the program, students normally require a minimum GPA of 5.0 in 100 and 200 level Political Science courses. In addition to these grade and course requirements, admission will also be based on a student's interests, abilities and the results of a formal interview.

Students interested in participating in the co-op program should normally apply in their second year of studies. Students should complete POLI 351 before commencement of their first work term, and must complete it before commencement of their second work term. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must 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 3.5 overall. Each work term is recorded on the student's official transcript of academic record (as COM, N or F). A student may withdraw from the 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 338 POLI 339 POLI 351
POLI 490 POLI 499

I Political Theory
POLI 300A* POLI 300B* POLI 300C* POLI 305 POLI 306 POLI 401

II Comparative Politics
POLI 311* POLI 313A* POLI 313B POLI 314 POLI 317* POLI 318* POLI 319 POLI 371* POLI 376* POLI 377 POLI 378 POLI 414 POLI 416 POLI 431

III Canadian Politics
POLI 320* POLI 350 POLI 357 POLI 360* POLI 361* POLI 364* POLI 365* POLI 369 POLI 420 POLI 461 POLI 465

IV International Politics
POLI 340* POLI 343* POLI 344* POLI 346 POLI 347* POLI 348* POLI 349 POLI 442 POLI 444 POLI 447 POLI 448

V Contemporary Themes and Issues in Political Science
POLI 332 POLI 333 POLI 334 POLI 335 POLI 336 POLI 363 POLI 430 POLI 432 POLI 433 POLI 456 POLI 458

*Core course
Department of Psychology

Catherine A. Mateer, BA, MSc (Wis, Madison), PhD (W Ont), 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 (Lycoming Coll), MA, PhD (Sy), Lansdowne Professor of Psychology
Bennie J. Leadbeater, BSc, MAEd (Ottawa), PhD (Columbia), Professor
D. Stephen Lindsay, BA (Reed Coll), MA, PhD (Prin), Professor
Michael E.J. Masson, BA (UBC), MA, PhD (Colo), Professor
Timothy Stockwell, MA, BSc (Oxford), MSc (U of Surrey), PhD (London, UK), Professor
Esther H. Strauss, BA (McG), MA (Northeastern), MEd (Bost), PhD (Tor), Professor
Holly A. Tuokko, BA, MA (Lake), PhD (Uvic), Professor
C.A. Elizabeth Brimacombe, BA (St FX), MA (Alta), PhD (Iowa St), Associate Professor
Catherine L. Costigan, AB (Cornell), MA, PhD (Michigan), Associate Professor
Marion F. Ehrenberg, BA (McG), MA, PhD (S Fraser), Associate Professor
Bram C. Goldwater, BA (McG), MA (Carn), PhD (Bowling Gr), Associate Professor
Jennifer Hill Karrey, BS (Tennessee), MA (Montana), PhD (Tennessee), Associate Professor, Limited Term
Michael A. Hunter, BA (S Fraser), MA (Wat), PhD (S Fraser), Associate Professor
Helena Kadlec, BSc, MA (Man), PhD (Purdue), Associate Professor
Kimberly A. Kerns, BA (Colo), PhD (U of Health Sciences/Chic Med Sch), Associate Professor
Christopher E. Lalonde, BA, MA, PhD (UBC), Associate Professor
Marsha G. Runz, BSc, MA, PhD (Man), Associate Professor
Ronald W. Skelton, BSc (Bishop’s), MA (Concordia), PhD (UBC), Associate Professor
James W. Tanaka, BA (Calif, Santa Cruz), PhD (Oregon, Eugene), Associate Professor
Clay B. Holroyd, BA (Calif, Santa Cruz), PhD (U of Illinois, Urbana-Champaign), Associate Professor
Ulrich Mueller, Diplom-Psychologe (TU Braunschweig), PhD (Temple), Assistant Professor
Julie S. Rodgers, BA (Carleton), PhD (Calif, Berkeley), Assistant Professor
Nanvin Virji-Babul, BHSc (McMaster), MA (Columbia), PhD (W Ont), Associate Professor, Limited Term
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
Visiting, Adjunct and Cross-listed Appointments
H. Wallace Craver, BA (Randolph-Macon), MA (Richmond), PhD (Alta), Adjunct Professor (2005-2008)
Roger Dixon, BA (N Cola), MA (Chic), MS, PhD (Penn State), Adjunct Professor (2005-2008)
David R. Evans, BA (Toronto), MA (Ottawa), PhD (Toronto), Adjunct Professor (2004-2007)
David L. Hamilton, BA (Gettysburg College), MA (Richmond), PhD (Illinois), Adjunct Professor (2004-2007)
D. Richard Laws, BA (Missouri), MA, PhD (Richmond U, Carbondale), Adjunct Professor (2006-2009)
Anthony A.J. Marley, BSc (Birmingham), PhD (Pennsylvania), Adjunct Professor (2006-2009)
Alexander Moll, MBCHB (Cape Town), Adjunct Professor (2004-2007)
J. Donald Read, BA (UBC), MS, PhD (Kansas State University), Adjunct Professor (2004-2007)
Graham S. Saayman, BA, BA (Natal), MA (McM), PhD (Lond), Adjunct Professor (2004-2007)
Joyce L. Ternes, BA (Wat), MA, PhD (UBC), Adjunct Professor (2004-2007)
Jonathan Donw, MB, BS (Lond), Adjunct Associate Professor (2004-2007)
Anthony T. Dugbartey, BA (U of Ghana-Legon), MA (Lakehead), PhD (Uvic), Adjunct Associate Professor (2006-2009)
Dorothy Edgell, BA (Birm), MA, PhD (Uvic), Adjunct Associate Professor (2004-2007)
John A. Higenbottam, BA, MA, PhD (Man), PhD (Uvic), Adjunct Associate Professor (2006-2007)
E. Ishu Ishiyama, BA (Concordia), Med (McGill), PhD (Uvic), Adjunct Associate Professor (2004-2007)
Michael Joschko, BSc (McMaster), MA, PhD (Windsor), Adjunct Associate Professor (2006-2009)
Robert Lampard, BA, MA, PhD (Uvic), Adjunct Associate Professor (2004-2007)
Asthall T. Malcolm, BA, MA, PhD (Man), Adjunct Associate Professor (2005-2008)
Daniel R. McGee, BEd (Uvic), MA, PhD (Uvic), Adjunct Associate Professor (2006-2009)
Wayne R. Mitic, BA (W Ont), MA (Windsor), PhD (State Univ New York), Adjunct Associate Professor (2005-2008)
Kathleen M. Montgomery, BA (Mass), MA, PhD (Uvic), Adjunct Associate Professor (2004-2007)
Kenneth A. Moselle, BA, BA (Yale), PhD (Calif, Berkeley), Adjunct Associate Professor (2005-2008)
Joseph A. Parsons, BSc (Utah), MA, PhD (Illinois), Adjunct Associate Professor (2005-2008)
David A. Polson, BA (Windsor), MA, PhD (Uvic), Adjunct Associate Professor (2004-2007)
Anthony W. Robertson, BA (UBC), MA, PhD (Carleton), Adjunct Associate Professor (2004-2007)
Heather Scott, BA, MA, PhD (Carleton), Adjunct Associate Professor (2006-2009)

Bernice M. Seyfort, BA, PhD (Uvic), Adjunct Associate Professor (2004-2007)
Roxanne L. Still, BA (San Fran), MA, PhD (Azir), Adjunct Associate Professor (2004-2007)
Barry G. Young, BA (UBC), MA (Regina), PhD (Lond), Adjunct Associate Professor (2004-2007)

PSYCHOLOGY PROGRAMS

The Department of Psychology offers the following undergraduate programs of study: Honours, Major, General, Minor, Combined Biology and Psychology, and Combined Computer Science and Psychology. Students in the Honours and Major Programs may proceed to either a B or BSc degree in Psychology.

The Major program requires specialization in Psychology in the last two years of the program, and is designed to permit students to pursue a variety of professional and business career options requiring baccalaureate-level training.

The Honours program is recommended for students planning to do graduate work in scientific or professional psychology. Graduation in the Honours program requires that students be admitted to the program at the end of the third year of study. The General program is available for students who seek a general background in preparation for entry into other fields.

Please note: The Bachelor's degree in Psychology is intended primarily to prepare the student for further advanced study in psychology or related fields (education, social work, etc.), and in no way implies professional competence as a psychologist without such advanced training. Although students may find employment of a psychological nature with an undergraduate degree, it is expected that further preparation, perhaps in the form of in-service training, will normally be required by employers.

Limitation of Enrollment

Students are advised that because of limited staff and facilities, it may be necessary to limit enrollment in certain courses. Course enrollment limits will be imposed during registration. Students will be admitted to Psychology courses on the basis of stated prerequisites and priorities. Students who have declared a psychology honours or major program may be granted preferential enrollment in 300- and 400-level psychology courses.

PROGRAM REQUIREMENTS

Notes on Course Requirements

1. Core requirements for Honours and Major degree programs:
   - PSYC 100A and 100B, with a grade of at least C+ in each
   - PSYC 201, 210 and 215A, with a grade of at least C in each and a combined GPA of at least 3.0 (C+) in the 4.5 units
   - 1.5 units of English composition

2. Until the Core requirements are satisfied, the 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 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 undergraduate adviser.

10. Students planning to apply for graduate studies should plan to write the Graduate Record Examination at the end of their third year of undergraduate work or during the fall of their fourth year. Applications must be received in Princeton, 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 (sesional 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 A234). In addition to the permission of the Honours Adviser, applicants must obtain written agreement from a regular faculty member in the Department to serve as thesis supervisor. Admission to the Honours program requires:
   - a minimum 6.5 GPA in all Psychology courses
   - a minimum 5.0 GPA in all non-Psychology courses taken at post-secondary institutions

Honours Graduation Standing
An Honours degree "With Distinction" requires:
   1. a graduating average of at least 6.5
   2. a GPA of at least 7.0 for all 300- and 400-level Psychology courses taken at UVic
   3. a minimum GPA of 5.0 in all non-Psychology courses taken at UVic

Major Program Requirements
Psychology Requirements
Core Courses
See Note 1 under Program Requirements

Upper-level Courses
   - PSYC 300A and 300B (see Note 2 above) with a grade of at least C in each
   - an additional 12 units of Psychology numbered 300 and above which include at least 1.5 units from each of the groups listed under Psychology Breadth Requirement Options above, at least one of which is a 400-level course other than PSYC 400A, 401, 490 or 499

Requirements Outside Psychology
   - Computer Science: 1.5 units of 100- or 200-level Computer Science (students with little or no previous computing experience should consider CSC 100 or 105); students with high com-

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- **English**: 3.0 units, including at least 1.5 units of English Composition chosen from ENGL 115, 125, 135, 145, 215, 225, ENGR 240, WRIT 100 or 102
- **Philosophy**: any 1.5 units; recommended courses include PHIL 100, 201, 203, 220, 223, 304A, 306, 310, 342A, 420, 453, 460

Note: An additional 1.5 units of Philosophy is required if PHIL 201, 203 or 304A is taken to satisfy the Mathematics and logic requirement

- **Social Sciences**: 3 units in any combination of courses in Anthropology, Economics, Environmental Studies, Geography or Political Science

Note: Sociology courses are encouraged as adjuncts to the Psychology program, but do not fulfill the Social Sciences breadth requirement.

Electives
As per Faculty of Social Sciences regulations (see page 191).

Requirements for the Major Degree
Requirements Specific to the Bachelor of Arts (BA) Degree
- Biology (3 units):
  - One of BIOL 150A, 190A, 215
  - One of BIOL 150B, 190B
- Mathematics and logic
  - 1.5 units chosen from MATH 100, 102, 151, PHIL 201, 203, 304A
  - 9.0 additional units from the Faculty of Humanities or the Faculty of Fine Arts.

Requirements Specific to the Bachelor of Science (BSc) Degree
- Biology (3 units):
  - One of BIOL 190A, 215
  - BIOL 190B
- Mathematics
  - 1.5 units chosen from MATH 100, 102, 151
  - 9.0 additional units from the Faculty of Science and PE courses (PE 141, 241A, 214B only). At least 6.0 units of these 9.0 units must come from a single department, other than PE.

General Program Requirements
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 193).

Minor Program Requirements
A student who completes the requirements for an Honours or Major program in another department, and who also satisfies the requirements for the General program in Psychology, will receive a Minor in Psychology as long as the Psychology courses taken for the Minor are not part of the...
requirements for the other Honours or Major program, and only if the student formally declares the Minor program through the Academic Advising Centre. Only one Minor may be declared on any degree program.

**Recommended Electives**

**First and Second Years**

Students are encouraged to schedule courses required for their program (i.e., Core courses, Computer Science, English composition, Mathematics, Philosophy and Biology) prior to scheduling electives.

**Third and Fourth Years**

The Department of Psychology recognizes the diversity of career orientations that might lead a student to concentrate in Psychology. Accordingly the following guidelines for upper-level courses are suggested:

• Students planning to enter social services, including mental health, school psychology, social work, parole, child care: PSYC 311B or 313, 315, 330, 331, 360 and 361, 365, 450 and at least 1.5 units from PSYC 335, 336, 338 and 339

• Students planning careers in business and industry, civil service, government, personnel work: PSYC 311B, 330, 331, 333, 334, 365, 401, plus courses in other social sciences such as ECON 100, POLI 101, 102, SOCI 319, 321

• Majors who are planning to pursue advanced degrees in Psychology are advised to take PSYC 400A 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 or 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 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B (or 210 and 220)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 311B</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 400</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 215A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of BIOL 404, 432 or 448</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 323</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 490A to G or PSYC 390</td>
<td>1.5</td>
</tr>
<tr>
<td>Total core</td>
<td>12.0</td>
</tr>
</tbody>
</table>

**Upper-level Biology and Psychology Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level BIOL or PSYC elective</td>
<td>1.5</td>
</tr>
<tr>
<td>Total BIOL and PSYC units</td>
<td>15.0</td>
</tr>
<tr>
<td>Minimum BIOL and PSYC units</td>
<td>27.0</td>
</tr>
</tbody>
</table>

Other Requirements

- 3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215
- 3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261

**Combined Honours in Biology and Psychology**

**Core Course Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B (or 210 and 220)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 215A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of BIOL 404, 432 or 448</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 323</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
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<tr>
<td>PSYC 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level BIOL or PSYC elective</td>
<td>1.5</td>
</tr>
<tr>
<td>Either Biology or Psychology thesis</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOL 499 and BIOL 460</td>
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</tr>
<tr>
<td>PSYC 499</td>
<td>3.0</td>
</tr>
<tr>
<td>Total BIOL and PSYC units</td>
<td>16.5 or 17.5</td>
</tr>
<tr>
<td>Minimum BIOL and PSYC units</td>
<td>28.5 or 29.5</td>
</tr>
</tbody>
</table>

**Upper-level Biology and Psychology Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 315 or 415B</td>
<td>1.5</td>
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<tr>
<td>Upper-level BIOL or PSYC elective</td>
<td>1.5</td>
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<tr>
<td>Either Biology or Psychology thesis</td>
<td>4.0</td>
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<tr>
<td>BIOL 499 and BIOL 460</td>
<td>4.0</td>
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<tr>
<td>PSYC 499</td>
<td>3.0</td>
</tr>
<tr>
<td>Total BIOL and PSYC units</td>
<td>16.5 or 17.5</td>
</tr>
<tr>
<td>Minimum BIOL and PSYC units</td>
<td>28.5 or 29.5</td>
</tr>
</tbody>
</table>

**Other Requirements**

- 3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215
- 3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261

**Other Courses of Potential Interest (Electives)**

- BIOL 215
- BIOL 230
- BIOL 307
- BIOL 360 (required for BIOL 309)
- BIOL 361
- BIOL 312 and 322
- BIOL 335
- BIOL 400
- BIOL 360A (required for BIOL 360, 361, medical school)
- BIOL 300B (required for BIOL 361, medical school)
- MATH 101 or other MATH courses
- MATH 377
- PHIL 100, 201, 203, 220, 342A, 460
- PE 141
- PE 241B
- PE 341
- 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 require a minimum C+ to count towards this combined program.

2. Students are advised to find a supervisor for their Directed Studies in the spring term preceding the academic year in which they wish to enroll. In the last 15 units attempted, a minimum GPA of 5.5 is required for admission to BIOL 490A to G, and a minimum GPA of 5.5 for admission to PSYC 390.

3. Consult prerequisites for 200-level MATH courses when choosing among these courses.

4. At least 21 units of upper-level courses are required to satisfy university requirements.

5. Admission and Graduation Standing requirements for the Honours program are governed by the regulations for the department in which the Honours thesis is taken.

6. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).

**Combined Major in Psychology and Computer Science**

The Department of Psychology and the Department of Computer Science have designed a program leading to a combined BA Major Degree. Students intending to pursue this combined program must consult the Undergraduate Adviser in either Psychology or Computer Science after completing all of the first-year requirements.
Admissions to the Psychology Co-op Program

Entry into the Psychology co-op program is restricted to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the Department. To be considered for admission to the program, students must normally require a minimum GPA of 6.0 in Psychology courses and 5.0 overall. In addition to these grade and course requirements, admission will be based on a student’s interests, abilities and the results of a formal interview.

Students interested in participating in the co-op program should normally apply in their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January: The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 6.0 in Psychology courses and 5.0 overall. Each work term is recorded on the student’s official transcript of academic record (as COM, NO, 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.

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, Chair
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
C. David Gartrell, BA (British Columbia), MA, PhD (Harvard), Professor

2006-07 UVIC CALENDAR

Richard L. Ogmundson, BA (Victoria), MA, PhD (Michigan), Professor
Zheng Wu, BA (Beijing Second Foreign Lang Inst), MA (Victoria), PhD (Western Ontario), Professor
P. Morgan Baker, BA (Victoria), MA, PhD (Minnesota), Associate Professor
Fischer, Benedikt, BA, MA (Konstanz), PhD (Toronto), Associate Professor
Martha McMahon, BA (Univ College, Dublin), MA, PhD (McMaster), Associate Professor
Margaret J. Penning, BA (Winnipeg), MA (Manitoba), PhD (Alberta), Associate Professor
Charles T. Adeyamnu, BA, MA (Guelph), PhD (McMaster), Assistant Professor
Helga Hallegrimsdottir, BA (Calgary), MA, PhD (Western Ontario), Assistant Professor
Sean P. Bier, BA, MA (Guelph), PhD (McMaster), Assistant Professor
Karen M. Kobayashi, BSc, MSc (Waterloo), PhD (Simon Fraser), Assistant Professor
Smith, André, BA, MSW, MA (British Columbia), PhD (McGill) Assistant Professor
Peyman Vahabzadeh, BA, PhD (Simon Fraser) Assistant Professor

Emeritus Faculty
Robert B. Hagedorn, PhD (Texas-Austin) Professor
R. Alan Hedley, BA, MA (British Columbia), PhD (Oregon), Professor
T. Rennie Warburton, BA (Leeds), PhD (London), Professor

Visiting, Adjunct and Cross-listed Appointments
Singh Bolaria, BA (Punjab), MA (Kansas State), PhD (Washington State), Adjunct Professor
Thomas K. Burch, BA (Loyola), MA, PhD (Fordham), MA (Princeton), PhD (Princeton), Adjunct Professor
James C. Hackler, BA (U.C., Berkeley), MA, PhD (Washington), Adjunct Professor
Dorothy E. Smith, BSc (London), PhD (U.C., Berkeley), Adjunct Professor
Ken Hutt, BA (Redlands), MA (LA), PhD (Alberta), Adjunct Associate Professor
Francis Adu-Febiri, BA (Ghana), MA, PhD (UBC), Adjunct Assistant Professor
Mikael Jansson, BA, MA (Alberta), PhD (Western Ontario), Adjunct Assistant Professor

Sociology Programs

The Department offers Honours, Major, General and Minor programs leading to the degree of Bachelor of Arts. Students interested in any of these programs are urged to consult the Department Undergraduate Adviser as early as possible. In the Major and Honours programs, students must choose a concentration in either Social Justice or in Social Research. Students may take courses from both concentrations, and those interested in graduate school are encouraged to do so.

Students with questions about the Department’s programs or courses may arrange to meet with a Sociology Undergraduate Adviser through the Sociology General Office in Cornett A335. Arrangements to meet with the Sociology Honours Adviser may also be made through the Sociology General Office.
Students seeking general academic advice may arrange to meet with an Academic Adviser at the Advising Centre for Humanities, Social Sciences and Sciences, A205, University Centre. Detailed information on programs, faculty and courses can be found on the Departmental web page: <web.uvic.ca/soci>.

**Program Requirements**

**Requirements Common to all Sociology Programs**

Students should read carefully all the information for the Faculty of Social Sciences, especially the Faculty Program Requirements, page 192. Sociology 100 is required for all programs and should normally be taken in the first year. All students must also complete 3 units of university-level English or Writing courses, with a GPA of 4.5 or better, before they are allowed to declare a program in Sociology.

**Prerequisites for Third- and Fourth-year Courses**

Completion of SOCI 100, or at least third-year standing with a GPA in the immediately preceding session of 6.5 or better.

NOTE: while SOCI 100 is not a formal prerequisite for third or fourth-year students with a GPA of 6.5 or higher, all upper-level courses require at minimum a basic knowledge of sociological concepts; SOCI 100 is thus strongly recommended for these students.

**Honours Program Requirements**

Normally, the Honours program has the following requirements:

1. students apply for entry into the Honours Program at the end of their second year;
2. entry requires a GPA of at least 6.75 in Sociology courses completed and a GPA of at least 6.0 in all courses completed;
3. students must maintain a cumulative GPA of at least 6.0 to remain in the Honours Program.

Applications are made directly to the Departmental Honours Adviser.

The Honours Program offers students the opportunity to write a Graduating Essay under the supervision of a faculty member. The essay is usually either a library-research based review of literature on a sociological topic, including analytical comments and suggestions for future research, or a report of a piece of empirical research. Students in the Honours Program are also required to enroll in SOCI 499.

Students are referred to the Faculty of Social Sciences Honours Program, page 192 Requirements.

**Social Justice Concentration**

- SOCI 100
- SOCI 210
- SOCI 309
- SOCI 373
- SOCI 374 or SOCI 376
- SOCI 402 or SOCI 481
- SOCI 499

- Plus 1.5 units in Sociology at the 100 or 200 level, and 10.5 additional units in Sociology numbered 300 and above

**Social Research Concentration**

- SOCI 100
- SOCI 210
- SOCI 211
- SOCI 371A
- SOCI 371B
- SOCI 374
- SOCI 376
- SOCI 412
- SOCI 472
- SOCI 499

- Plus 1.5 units in Sociology at the 100 or 200 level, and 7.5 additional units in Sociology numbered 300 and above

1. SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, SOCI 402 and SOCI 412.
2. Enrollment in SOCI 371A requires completion of MATH 120 or Mathematics 12 (or equivalent) with a minimum grade of C, or completion of 1.5 units chosen from MATH 100, 102, 151.

**Graduation Standing**

An Honours degree “With Distinction” requires:

1. a grade of at least A- in SOCI 499
2. a minimum GPA of 7.0 for all Sociology courses numbered 300 and above
3. a minimum graduating average of 6.5

Honours students who do not meet the above requirements, but complete those for a Major in Sociology, may opt to receive a Major degree. A student who takes this option and who has a graduating average of 6.5 would receive a Major in Sociology “With Distinction.”

**Major Program Requirements**

**Social Justice Concentration**

- SOCI 100
- SOCI 210
- SOCI 309
- SOCI 373
- SOCI 374 or SOCI 376
- SOCI 402 or SOCI 481

**Social Research Concentration**

1. SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, SOCI 402 and SOCI 412.
2. Enrollment in SOCI 371A requires completion of MATH 120 or Mathematics 12 (or equivalent) with a minimum grade of C, or completion of 1.5 units chosen from MATH 100, 102, 151.

**General and Minor Program Requirements**

- SOCI 100
- SOCI 210
- SOCI 211

- Plus 1.5 units in Sociology at the 100 or 200 level, and 7.5 additional units in Sociology numbered 300 and above

**Sociology Co-operative Education Program**

The Co-operative Education Program in the Faculty of Social Sciences is described on page 194. 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, 202 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, and on the results of a formal interview. Students who also have completed one or more of SOCI 309, 371A, 373, 374 or 376 by the commencement of the first work term will be given special consideration.

Students interested in participating in the Co-op Program should normally apply in their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 5.0 in Sociology courses and 3.5 overall. Each work term is recorded on the student’s official transcript of academic record (as COM, N or F). A student may withdraw from the 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 135). 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 135).

**Arts of Canada Minor Program Requirements**

Students wishing to declare a Minor in Arts of Canada should contact the advising centre for their faculty. Students in this program are required to take:

1. the 3-unit introductory course FA 225 (ACAN 225)
2. 9 units of 300- and 400-level courses representing at least three different areas selected from the following list:

**English**

- ENGL 448 (1.5) Special Studies in Canadian Literature
- ENGL 450 (1.5) Modern Canadian Fiction: I
- ENGL 451 (1.5) Modern Canadian Fiction: II
- ENGL 452 (1.5) Modern Canadian Poetry: I
- ENGL 453 (1.5) Modern Canadian Poetry: II
- ENGL 454 (1.5) Early Canadian Poetry
- ENGL 455 (1.5) Contemporary Canadian Fiction and Poetry
- ENGL 457 (3.0) Traditions in Canadian Literature
- ENGL 458 (1.5) Comparative Studies in Contemporary French and English Canadian Literature
- ENGL 459 (1.5) Early Canadian Prose Literature

**Fine Arts**

- FA 315 (1.5 or 3.0) Introduction to Canadian Cultural Policy
- FA 360 (1.5 or 3.0) Introduction to Issues in Arts Criticism

**French**

- FREN 389B (1.5) Quebec Cinema
- FREN 480 (1.5) The French-Canadian Novel from Origins to the Modern Period
- FREN 482 (1.5) Contemporary French-Canadian Novel
- FREN 484 (1.5) Contemporary French-Canadian Theatre
- FREN 485 (1.5) French-Canadian Poetry
- FREN 487 (1.5) Comparative Studies in Contemporary French and English Canadian Literature
- FREN 488D (1.5) French-Canadian Literature Outside Quebec

**History in Art**

- HA 368A (1.5) History of Early Canadian Art
- HA 368B (1.5) History of Twentieth Century Canadian Art
- HA 382A (1.5) Native North American Arts
- HA 382B (1.5) Native North American Arts
- HA 382C (1.5) Native North American Arts
- HA 384 (1.5) Arts of the Northwest Coast
- HA 468 (1.5) Special Studies in Canadian Art
- HA 480 (1.5 or 3.0)* Topics in 20th Century Native North American Art
- HA 482 (1.5)* Special Studies in Tribal Arts
  * Because the topic of this course varies from year to year, it must be approved by the Associate Dean of Fine Arts for credit towards an Arts of Canada Program.

**Music**

- MUS 324 (1.5 or 3.0) Music in Canada

**Theatre**

- THEA 414 (1.5) Studies in Canadian Theatre and Drama

**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 135). 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 135). Priority for admission to courses in Film Studies will go to students registered in the Film Studies Program or majoring in one of the departments offering courses in the Program.

**Film Studies Minor Requirements**

Students wishing to declare a Minor in Film Studies should contact the Advising Centre for their faculty after completing HA 295 (Introduction to Film Studies) with a grade of B- or better. Students in this program are required to take 9 units of courses (except HA 295) selected from the following list:

**English**

- ENGL 413 (1.5) Studies in Film and Literature
- ENGL 414A (1.5) American Film Before World War II
- ENGL 414B (1.5) American Film After World War II
- ENGL 415 (1.5) Special Studies in Film

**Fine Arts**

- FA 305 (1.5 or 3.0) Theory and Practice of Film and Video Direction

**French**

- FREN 385 (1.5) The Francophone World in Africa and the Caribbean
FREN 389A (1.5) French Cinema
FREN 389B (1.5) Quebec Cinema
FREN 389C (1.5) Special Studies in Cinema
FREN 389D (1.5) African Cinema
FREN 389E (1.5) The Court of Louis XIV on Screen

GERS 356 (1.5) A Short History of German Film
GERS 433 (1.5) “Overcoming the Past” in Film and Text
GERS 437 (1.5) Major German Filmmakers
GERS 439 (1.5) The New German Cinema
GERS 483 (1.5) Recent German Film
GERS 487 (1.5) A Cultural History of Vampires in Literature and Film

GRS 382 (1.5) The Ancient World on Film Studies

HIST 389A Cinema and European Society, 1900–45

HA 295 (1.5) Introduction to Film Studies (required for the Minor)
HA 312 (1.5) Feminism and Film
HA 363 (1.5) The Cinema and Modern Art Movements
HA 364 (1.5) Documentary Film
HA 365 (1.5) Experimental Film
HA 366 (1.5) Introduction to History in Cinema
HA 367 (1.5) History in Cinema
HA 477 (1.5) Advanced Seminar in Film Studies
HA 478 (1.5) Advanced Seminar in Popular Culture

ITAL 485 (1.5) Italian Film

MUS 315 (1.5) Topics in Music and the Cinema

JAPA 324A (1.5) Humanism in Japanese Cinema to 1960
JAPA 324B (1.5) Trends in Japanese Cinema, 1960 to Present
SEA 324 (1.5) Southeast Asian Cinema

RUSS 304A (1.5) Cinema in the Soviet and Post-Soviet Periods: I
RUSS 304B (1.5) Cinema in the Soviet and Post-Soviet Periods: II
RUSS 315 (1.5) Sculpting in Time: The Cinematic Art of Andrei Tarkovsky

SPAN 485A (1.5) Spanish Film
SPAN 485B (1.5) Latin American Film

INTERDISCIPLINARY PROGRAMS

SP AN 485A (1.5) Spanish Film
RUSS 304A (1.5) Cinema in the Soviet and Post-Soviet Periods: I
SEA 324 (1.5) Southeast Asian Cinema
JAP A 324B (1.5) Trends in Japanese Cinema, 1960 to Present
JAP A 324A (1.5) Humanism in Japanese Cinema
MUS 315 (1.5) Topics in Music and the Cinema
HA 295 (1.5) Introduction to Film Studies (required for the Minor)
HA 312 (1.5) Feminism and Film
HA 363 (1.5) The Cinema and Modern Art Movements
HA 364 (1.5) Documentary Film
HA 365 (1.5) Experimental Film
HA 366 (1.5) Introduction to History in Cinema
HA 367 (1.5) History in Cinema
HA 477 (1.5) Advanced Seminar in Film Studies
HA 478 (1.5) Advanced Seminar in Popular Culture

Women's Studies
WS 340 (1.5) Indigenous Cinema: De-colonizing the Screen
WS 349 (1.5) Topics in Film, Literature and Cultural Production

Writing
WRIT 300 (1.5) Narrative and Mythic Structure in Film Writing
WRIT 312 (1.5) Structure in Cinema and Television Drama
WRIT 320 (1.5) Film Writing and Production Workshop
WRIT 329 (1.5) Twentieth Century Film Writing
WRIT 412 (1.5) Recurrent Themes in Film
WRIT 420 (1.5) Film Writing and Production Workshop

Indigenous Studies Program

The Faculty of Humanities and the Faculty of Social Sciences jointly offer an interdisciplinary program in Indigenous Studies intended to provide both indigenous and non-indigenous students with a core program incorporating indigenous world views and ways of knowing. This is a General Program leading to the BA degree (see General Program, pages 133 and 191). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program, or other degree program, in another department or faculty (see Minor Program, pages 133 and 192; Interfaculty Programs, pages 133 and 191).

The core program will prepare any student intending to enter a vocation jointly serving indigenous and non-indigenous peoples. It will further prepare indigenous students who are planning to serve in indigenous communities and are enrolled in professional programs at the University of Victoria. Students in the program are required to take the 3.0 unit introductory course (IS 200) and the 1.5 unit capstone course (IS 400), plus 7.5 units of approved 300- and 400-level courses. If any of these upper-level courses form part of the student’s Major, Honours or General program in another department, it cannot be used to fulfill the requirements for the Indigenous Studies Program.

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 Program, page 135). If any course forms part of the student’s Honours, Major, or General program or other degree program, it cannot be used to fulfill the requirements for the Minor in Religious Studies.

Students in this program will be required to complete 6 units of core courses (R5 200A and 200B, and R5 301 and 302) as well as 6 units of electives (chosen from an approved list of 200-400 level courses from Humanities, Social Sciences and Fine Arts) for a total of 12 units.

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 135). If any course forms part of the student’s Honours, Major, or General program or other degree program, it cannot be used to fulfill the requirements for the Minor in Religious Studies.

Queries about this program should be directed to the Director of European Studies, c/o Chair of the Political Science Department.
**Diploma Program in Canadian Studies**

This interdisciplinary program leading to a Diploma in Canadian Studies is offered co-operatively by the Faculty of Humanities, the Faculty of Social Sciences, the Faculty of Fine Arts, and the Division of Continuing Studies. The program is especially designed to provide short, integrated academic programs for international and Canadian students. For information on the Certificate in Canadian Studies, see the Division of Continuing Studies Calendar.

The Program objectives are to:
- introduce students to the study of Canada from different perspectives
- provide an opportunity for Canadian students to study Canada with international students
- provide a supportive academic environment to assist international students in making the transition to a Canadian university
- assist international students in developing their English (French) language skills
- encourage dialogue between Canadian and non-Canadian students at the University of Victoria

Students are admitted to the Diploma Program on the recommendation of the Faculty Coordinator and/or the Chair of the Program Steering Committee. Participation in the Diploma Program will normally require a minimum of 18 credit units. The Diploma requires the completion of the three core credit courses (CS 101, CS 102 and CS 200) and 13.5 units of elective courses. Prioritisation for enrollment in the program will be given to students in the Diploma and Certificate Programs in Canadian Studies. Students in other programs may enroll in courses by permission of the Chair of the Program Steering Committee. Students may choose elective courses from appropriate existing credit courses offered at the University of Victoria, subject to the Faculty Coordinator's approval. Diploma students may transfer a maximum of 4.5 units of appropriate credit courses completed at other institutions. Credit obtained within the Diploma Program may be transferable to a regular undergraduate degree program. However, such transferability of credit is always subject to the specific requirements of the degree program.

The 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 Joy Davis, Division of Continuing Studies, (250) 721-8462; or <joydavis@uvic.ca>. Information is also available at: <www.uvic.ca/iet>.

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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 a program of courses organized around a particular theme or period. Students may select courses from Humanities and Divisions other than the Faculty of Humanities, but such selection will be subject to the permissions of the departments involved and 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 Joy Davis, Division of Continuing Studies, (250) 721-8462; or <joydavis@uvic.ca>. Information is also available at: <www.uvic.ca/iet>.

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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 (IET) has been designed for part-time or full-time study for students and professionals working or planning to work in a multicultural or cross-cultural environment. Participants can expect to acquire:
- skills which will assist in reducing conflict and inequality based on racism and ethnocentrism.
- skills which will facilitate intercultural relations and cross-cultural communication in the workplace, in the local community, and in international settings.
- a clearer understanding of issues concerning cultural conflicts, racism, power, and equity;
- a clearer understanding of the problems connected with intercultural relations and cross-cultural communication, and the various approaches to their explication;
- skills which will assist in reducing conflict and inequality based on racism and ethnocentrism.

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**Minor in Applied Ethics**

The Faculty of Humanities and the Faculty of Human and Social Development jointly offer an interdisciplinary program in Applied Ethics. This program is designed to provide students with the resources needed to deal with a wide range of ethical problems they will encounter in their personal and professional lives. Students may obtain this Minor by completing the requirements specified below. It is designed to supplement any undergraduate degree or any professional degree program. Students wishing to take a Minor in Applied Ethics should contact the Humanities, Social Sciences and Sciences Advising Centre.

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**Minor in Applied Ethics Program Requirements**

Students are required to take:
1. PHIL 232 plus either PHIL 337 or PHIL 335
2. A further 6.0 units (or if PHIL 335 has been taken, a further 4.5 units) from a list of electives drawn from courses in a variety of disciplines, to bring the total number of credits counted towards the Minor to at least 30.0. At least 3.0 units must be at the 300 or 400 level. No more than 4.5 units from any one department may count toward the Minor.

Note: PHIL 335 may not be counted toward both a General, Major or Honours degree in Philosophy and a Minor in Applied Ethics.

Queries about the list of electives should be directed to the Humanities, Social Sciences and Sciences Advising Centre or the Applied Ethics Minor Coordinator.
Division of Continuing Studies

Office of the Dean
Wesley J. Koczka, BA, BEd, MEd (Sask), EdD (BYU), Dean

Administration
Wayne Brunsson, CA, BCom (Sask), Manager, Administrative Services
Timothy Smith, Continuing Studies Chief Information Officer
David Shykewich, BSc (Man), Network Administrator and Programmer
Robert Newans, Network Administrator
John MacDonald, Network Administrator
David Bakken, Network Administrator
Elaine Sutherland, BA (UVic), Program Coordinator, ESL Online Development Group
Byron Crossley, BA (UVic), ESL Online Course Developer

Arts and Science Programs
Heather McRae, BRE (UBC), MSc (Oregon), Program Director
Peggy Faulds, BA (Lethbridge), MA (UVic), Program Coordinator
Janet King, BA (UVic), Program Coordinator
Didier Bergeret, BA, MA (Besançon), BEd (Alberta), Program Coordinator
Beverly Smith, BSc, MSc (UVic), PhD (Oxford), Program Coordinator

Business, Management and Technology Programs
Richard Mimick, MBA (Nebraska), BSBA (Creighton), CPA (US), Program Director
Rhordon Wikramatilake, BA, MPA, PhD (UVic), Instructor and Curriculum Developer
Elisabeth Bach, MEd (Germany), Program Coordinator
Patricia Webster, Program Coordinator
Lee Harrison, BA, MA (Syracuse), Program Coordinator
Raveen Sanghera, BCom, MBA (UVic), Program Coordinator
Cheryl Rhode, Special Project officer

Continuing Studies in Education
Roger Howden, BA (San Jose), MA (SFU), Program Director
Diane Anderson, BEd (Alberta), Program Coordinator
Janet Cuthers, BA (York), MA (Toronto), PhD (Washington), Program Coordinator

Continuing Studies Library Service
Carol Gordon, BA (Brock), MA (McMaster), MLisSc (UBC), PhD (McMaster), Head Librarian

Cultural Management Programs
Joy Davis, BA (UVic), MA (Toronto), Program Director
Brenda Weatherston, BA, MA (UVic), Program Coordinator
Lisa Mort-Putland, BA (Alberta), Program Coordinator

Distance Education Services
Katharine Seaborne, BA, MEd (UVic), MA (Northwestern), EdD (Deakin), Manager
Katy Chan, BFA (UVic), Online Course Developer and Administrator/Distance Education Consultant
Judith Samers, BA (Wash State), Multimedia Designer and Producer/Distance Education Consultant

Health Sciences and Public Relations Programs
Faith Collins, BSc (Mt St Vincent), BA, MEd, EdD (Seattle), Program Director
Laura Vizina, BSc (UBC), MEd (Calgary), Program Coordinator
Jill Shaw, BSc (Calgary), Program Coordinator

Promotion and Publications
Michael Turner, BA in Graphic Design (Middlesex), Manager
Joan Kew, Program Coordinator
Matt Saltik, Website Developer

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 through the following publications:
• Credit courses offered off campus: Distance Learning and Immersion Course Guide for Off-Campus Students (see Distance Education, below)
• On-campus evening courses and off-campus courses starting in September: Undergraduate Registration Guide and Timetable (available in June from Undergraduate Records)
Academic Regulations
Academic rules and regulations published in this Calendar, except as described in any Program Supplement to the Calendar, apply to students taking courses under this section.

The Division of Continuing Studies reserves the right to cancel or reschedule courses or other offerings without notice, and to establish special regulations for admission to non-degree programs or courses. If a course or offering is cancelled or rescheduled, the liability of the Division of Continuing Studies is limited to a refund of the course fee, or, if desired, transfer to another offering. The relevant law for all matters concerning these programs shall be the law of the Province of British Columbia, Canada.

Students are responsible for ensuring their course selection conforms to the requirements of their degree program. Students seeking academic advice regarding degree programs should consult the appropriate academic advising centre:
- Advising Centre, Faculties of Humanities, Science and Social Sciences, A205, University Centre.
  Telephone: (250) 721-7567
- Advising Centre, Faculty of Education, Room 250, MacLaurin Building.
  Telephone: (250) 721-7877

Students in the Faculty of Fine Arts or the Faculty of Human and Social Development should contact the specific department or school.

Regulations governing application and registration procedures and fees are detailed in the appropriate supplement. Late afternoon and evening courses, which would be of particular appeal to part-time students, are located in the Undergraduate Registration Guide and Timetable, available from Records Services. The late afternoon and evening credit courses are identified with a double asterisk (**).

Professional Development Programs
For information phone (250) 472-4747

These programs are planned to meet the specific continuing education needs of persons working in the professions. Courses and workshops are offered throughout the province in co-operation with regional colleges and professional organizations.

Programs for professionals leading to certificates and diplomas are offered in the following areas:
- Aboriginal Language Revitalization (Certificate)
- Adult and Continuing Education (Certificate Program)
- Business Administration (Certificate and Diploma Programs)
- Business Studies for International Students (Certificate)
- Canadian Studies (Certificate and Diploma Programs)
- Collections Management (Professional Specialization Certificate)
- Computer Based Information Systems (Certificate Program)
- Cultural Sector Leadership (Professional Specialization Certificate)
- Cultural Resource Management (Diploma Program)
- Environmental and Occupational Health (Certificate Program)
- Fine Arts (Diploma Program)
- Foundations in Indigenous Fine Arts (Certificate Program)
- French Language (Diploma Program)
- Heritage Conservation Planning (Professional Specialization Certificate)
- Humanities (Diploma Program)
- Intercultural Education and Training (Diploma Program)
- International Intellectual Property Law (Professional Specialization Certificate)
- Justice and Public Safety Leadership (Certificate Program)
- Public Management (Certificate Program)
- Public Relations (Certificate Program)
- Restoration of Natural Systems (Certificate and Diploma Programs)
- Teaching English as a Foreign Language (Professional Specialization Certificate)

Online and Distance Education Programs
For information phone (250) 721-8454 or visit www.distance.uvic.ca/

In collaboration with various faculties, Continuing Studies offers credit courses, professional development and community education programs which permit students throughout the province to study on a part-time basis. Programs use a variety of instructional delivery methods including web-based instruction, online instruction, audio conferencing, videotapes, audiocassettes, CD-ROMs, print and face-to-face instruction through workshops and seminars. Regular contact with the instructor is an important component of all distance education courses.

The University of Victoria's online and distance education offerings are listed in the Distance Learning and Immersion Course Guide for Off-Campus Students which can be obtained by calling (250) 721-8471 or by e-mail to <elmorgan@uvvm.uvic.ca>.

Online courses available at www.englishworld.ca include Beginner's Writing, Intermediate Writing and Advanced Writing.

Please visit our website www.uvcs.uvic.ca/elc for more information about the programs offered at the English Language Centre. You may also contact us by email elc@uvcs.uvic.ca, phone (250) 721-8469, or fax (250) 721-8774.

University Admission Preparation Course
For information phone (250) 721-8469

The University Admission Preparation Course is a twelve-week course for students whose first language is not English, which prepares students to attend university in an English-speaking country. Successful completion of the course enables students to enroll 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. Twenty four students are admitted every year to each of the three new medical programs: the Island Medical Program (IMP) at UVic, the Northern Medical Program (NMP) at UNBC, and the Vancouver-Fraser Medical Program (VFMP).

Students in the IMP spend the first four months of their undergraduate medical program in Vancouver and the remainder of the first two years at UVic. During the clinical third and fourth years of the program, students will have the opportunity to spend a significant amount of time in hospital and community-based clinical settings within the Vancouver Island Health Authority. After successfully completing the four-year MD undergraduate program, graduates enter residency training across Canada and beyond in one of over 50 specialty areas. Post-graduate training ranges from two to six years.

Admission

Applications for admission are considered from candidates who are citizens or permanent residents of Canada and who have completed all other application requirements, as outlined on the UBC Faculty of Medicine Admissions website: <www.admissions.med.ubc.ca>.

Applications are submitted to the Faculty of Medicine at UBC.

Registration

Island Medical Program students will be fully registered at UBC and will be subject to the academic regulations of UBC's Faculty of Medicine, including regulations concerning course content, grading, progression and graduation. Official transcripts will be issued by UBC.

Students studying in the Island Medical Program will have full access to student support services at the University of British Columbia, including awards and financial aid. Further information is available at <www.med.ubc.ca/md>.

Affiliate Status

Students in the Island Medical Program will be granted "Affiliate" status at UVic. Affiliate status allows IMP students to access UVic libraries and the following UVic-based campus services: Athletics and Recreation, Health, Counselling, Child Care, Chaplains, the Resource Centre for Students with a Disability (by arrangement with the UBC centre) and Housing.

UVic non-academic policies and procedures will govern IMP student conduct on the UVic campus.

Academic Advice

Academic advising is available through the Office of the Division of Medical Sciences at UVic.
Research

S. Martin Taylor, BA (Bristol), MA, PhD (UBC), Vice-President, Research
Richard K. Keeler, BSc (McGill), MSc, PhD (UBC), Associate Vice-President, Research

The Office of the Vice-President, Research (through the Office of Research Services) assists the University research community in obtaining funding from external agencies and administers research, conference and travel funds through internal support programs. The Office is also responsible for the regulation of research activities through the Animal Care Committee and the Human Research Ethics Board. The Office operates the Animal Care Units and the Aquatic Research Facility following the Guidelines of the Canadian Council on Animal Care. Grants facilitate assistance in applications for research grants and contracts includes identifying potential funding agencies, providing information on application procedures and advising on the preparation of proposals. Assistance with negotiating research contracts and agreements is provided in the Office. For industry contract research proposals, the Office of the Vice-President, Research works in close collaboration with the Innovation Development Corporation.

In addition, the Vice-President, Research oversees the activities of the University’s 15 interdisciplinary research centres.

Website: <www.research.uvic.ca>

British Columbia Institute for Co-operative Studies

Ian MacPherson, BA (Assumption U of Windsor), MA, PhD (W Ont), Professor Emeritus

The Institute is committed to defining and establishing Co-operative Studies as an important field of inquiry within the University and the community. It has a particular interest in understanding how the co-operative model functions within different kinds of contexts; how it can be further utilized in meeting economic and social needs; and how it can empower people and communities in controlling the forces that shape their lives.

Working with individuals, co-operatives, governments and other research organizations, the Institute is developing a rich resource base on Co-operative Studies in books and periodicals within the McPherson Library and in archival collections on its own premises.

The Institute collaborates with the Division of Continuing Studies, governments and the co-operative sector to ensure the information gathered on the resource base and the research activities fostered by the Institute are made readily available to the public, especially to people interested in developing co-operatives, and researchers and students in academic institutions. It does so by assisting in the offering of courses in Co-operative Studies, the publication of reports, papers and books, and the holding of special seminars and conferences.

To support its commitment to reaching as many people as possible both within and outside British Columbia, the Institute maintains an extensive website devoted to a wide range of co-operative issues and themes, including resource information, case studies and reports, a gallery portraying stories of the co-operative movement, and an international registry that invites individuals who work in the field of co-operative research to share their research interests.

Website: <web.uvic.ca/bcis>

Centre for Addictions Research of B.C.

Tim Stockwell, PhD (University of London), Director

The Centre for Addictions Research of B.C. was formally established at the University of Victoria in 2003, through a gift from the B.C. Addiction Foundation. The mission of the Centre is to build nationally and internationally recognized networks of researchers and practitioners that foster research from a population health perspective. The aim of this research is advancement of knowledge of addictions and the effective prevention and treatment of addictions.

A key component of the Centre's operations is its partnerships with the other four major universities in B.C.: the University of British Columbia, Simon Fraser University, the University of Northern British Columbia, and Thompson Rivers University. The Centre's work builds on the research strengths of the University of Victoria and the partner universities in B.C. which include expertise in the biomedical causes of addictions, the social cultural dimensions of addictions particularly related to youth and aboriginal health, and health service delivery to remote populations. The Centre also seeks ongoing partnerships with community agencies and government.

The constitutive principles of the Centre include commitments to utilizing the interest from the endowment, along with significant contributions from University of Victoria and other sources, to promote excellence in research and knowledge transfer, responding to the need for: interdisciplinary approaches to the prevention and treatment of addictions with a population health focus as the main perspective; research on cultural and social determinants that influence the etiology, prevention and treatment of addictions (e.g., specific to rural or urban environments, and school or work as health promotion sites); prevention and health service delivery strategies relevant for populations marginalized and frequently stigmatized by poverty, ethnicity, gender orientation, or occupation, particularly youth and aboriginal persons; evaluation of and support for best practices for the prevention and treatment of addictions; collaborations with knowledge users, including service providers, policy makers and the public in the identification of research priorities and in the dissemination of research-based knowledge; life-span perspectives that see the prevention of youth addictions as the cornerstone for healthy decisions across the lifespan.

Website: <www.carbc.uvic.ca>
E-mail: carbc@uvic.ca

Centre for Advanced Materials and Related Technology (CAMTEC)

Director: TBD

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 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
Promote interdisciplinary basic, translational genetics, molecular biology and biotechnology, to:

Ben F. Koop, BS, MS (Texas Tech), PhD (Wayne St), Research Centre for Biomedical Research.

Centre for Asia-Pacific Initiatives (CAPI)

Richard King, MA (Cantab), PhD (Brit Col), Director
Andrew Harding, MA (Oxford), LLM (NUS), PhD (Monash), Chair in Asia-Pacific Legal Relations
Joseph Kess, Bsc (Georgetown), MA, PhD (Hawaii), Japan Program Chair
Guoguang Wu, MA, PhD (Princeton), China Program Chair
Helen Lansdowne, MA (UVic), Assistant Director
Heidi Tydmers, MA (UVic), Program Officer

The purpose of the Centre is to conduct and support the University of Victoria's Asia-Pacific research and related initiatives, and to encourage the development of the University's Asia-Pacific programs and resources. The Centre's current research interests include: Southeast Asian law and development, Japan and Asia-Pacific relations, and China and Asia-Pacific relations. Associates and Research Fellows who share research interests are attached to the Centre. Linkages are established with other units on campus for purposes of collaborative research, as well as with individuals and institutions across Canada and in the Asia-Pacific. In addition to the research activities undertaken by CAPI, a wider role is taken on campus in disseminating information through conferences, workshops, symposiums and publications. The Centre manages an internship program that offers 8-month internships in the Asia-Pacific region for recent graduates. The Centre is not a teaching unit, and the faculty associated with the Centre teach in their respective departments or faculties.

For further information on CAPI programs and events, visit the Centre's website at: <www.capi.uvic.ca>.

Centre for Community Health Promotion Research

Marcia Hills, RN, PhD, Director

The Centre for Community Health Promotion Research at the University of Victoria is engaged in multidisciplinary research to investigate the complex interrelatedness of the broad determinants of health, their impact on health, and systemic changes required to promote health, particularly at the community level. Researchers at the Centre direct their efforts at facilitating change within communities and health systems provincially, nationally and internationally by linking policy, practice and research.

The vision of the Centre is to create equitable conditions for health through research, practice and education. The Centre has applied to become a World Health Organization (WHO) Collaborating Centre, which will greatly enhance the Centre's international collaborative network to support activities that promote the WHO's mandate for international health work.

The Centre for Community Health Promotion Research:

- provides a supportive environment for multidisciplinary health research based on the broad determinants of health;
- creates infrastructure at the University of Victoria for collaborative community health research;
- maximizes opportunities to influence knowledge generation and exchange in order to build linkages between health research, policy and practice;
- uses a participatory framework that includes communities, researchers, policy/decision makers, practitioners and students;
- is responsive to community identified health issues;
- provides professional and educational development opportunities for students (graduate and undergraduate), researchers, health practitioners, government policy makers, academics and the public; and
- advances excellence in partnership research for health and social change.

Researchers at the Centre are involved in the following programs of research: Primary Health Care and Public Health Renewal, Health Promotion Effectiveness, Assets for Health and Development, Literacy and Health, Women's Health, Youth Health Promotion and School Health, Aboriginal People's Health, Rural and Remote Health and International Health.

Website: <web.uvic.ca/chpc>
E-mail: chpc@uvic.ca

Centre for Earth and Ocean Research

Director: TBD

The mission of the Centre for Earth and Ocean Research (CEOR) is to facilitate opportunities and partnerships in earth and ocean research and development at the University of Victoria. The Centre works closely with other University departments (both science and non-science) and outside agencies to facilitate interdisciplinary research. Outside agencies include the Institute of Ocean Sciences (Fisheries and Oceans, Canada); Pacific Geoscience Centre (Natural Resources Canada); and the Canadian Centre for Climate Modelling and Analysis (Environment Canada). As part of its role in the promotion of earth, ocean and atmospheric research, CEOR hosts a seminar series and research workshops to which CEOR's broad membership and other interested individuals are invited.

CEOR administers several research facilities and large research projects: the Canadian Marine Acoustic Remote Sensing (C-MARS) facility; the Canadian Consortium for Ocean Drilling (CCOD); and the west coast portion of the Coasts Under Stress Project (CUS), for example. Research topics which can be pursued under the auspices of this Centre include: geophysics and geology, both terrestrial and marine; physical, chemical, geological and biological oceanography; underwater acoustics; atmospheric and oceanic modelling and climate change.

Website: <web.uvic.ca/ceor>

Centre for Forest Biology

Barbara J. Hawkins, BS/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
Centre for Global Studies

Gordon S. Smith, BA (McGill), PhD (MIT), Director
Barry Carin, Hon 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 center of centers: creating a dynamic, multidisciplinary environment. Currently there are:

- four programs
  - Globalization and Governance
  - Technology and International Development
  - International Women's Rights Project (IWRP)
  - Canadian Consortium on Human Security (CCHS)
- two institutes
  - International Institute for Child Rights and Development (IICRD)
  - Canadian Institute for Climate Studies (CICS)

The Centre is strongly committed to public awareness and outreach to both the academic and public communities, allowing CFGS members to share their collective knowledge and promote debate on important issues and events. The breadth of the Centre’s activities provides employment and volunteer opportunities for several students and interns each year. CFGS was established in 1998 through the generosity of local community donors. The Centre continues by enhancing its already extensive network of international research and funding partners, with whom it collaborates on a project-to-project basis.

For more information, please visit our website at <www.globalcentres.org>.

Centre for Studies in Religion and Society

Conrad Brunk, BA, MA, PhD (Northwestern), Director
Murdith McLean, BA (Alberta), MA (Birmingham), DPhil (Oxford), Associate 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 among 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.crsrs.uvic.ca> or e-mail the Centre at crsrs@uvic.ca.

Centre for Youth and Society

Bonnie J. Leadbeater, BSc, MAEd (Ottawa), PhD (Columbia), Director

The Centre for Youth and Society was formally established at the University of Victoria in the spring of 2002, after several years of collaborative activity involving professors from the Faculties of Social Sciences, Education and Human and Social Development in partnership with representatives of youth-serving agencies from the Greater Victoria region.

The mission of the Centre for Youth and Society is to promote the health and well-being of youth from diverse social, economic and ethnic backgrounds in evolving societal circumstances. The Centre strives to identify the concerns of youth themselves and of society as a whole so that programs, research and training priorities are responsive to those concerns. The establishment of the Centre enables the university community to foster effective relationships with youth and members of the wider community who work with them in order to co-operatively generate and disseminate knowledge concerning the strengths, challenges, opportunities and problems of youth.

2006-07 UVIC CALENDAR

The specific goals of the Centre are to:

- advance research on adolescent health and development
- train specialists in research, education and health care of adolescents
- disseminate research-based information about youth and their communities
- advocate for youth with policy-makers and governing bodies

Several faculty members of the Centre are working together with community partners on interdisciplinary research in the areas of youth health, recreation, maturity, social competence, community-youth involvement, victimization, bullying and depression.

Website: <www.youth.society.uvic.ca>
E-mail: ysr@uvic.ca

Centre on Aging

Director: TBD

Elaine Gallagher, BSc (Windsor), MSc (Duke), PhD (S Fraser), (Professor, Nursing), Associate 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 (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 L. 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
Institute for Dispute Resolution

Maureen Maloney, Q.C., LLB (Warwick), LLM (Toronto), Director
Catherine Morris, BA (Alberta), LLB, LLM (British Columbia) Adjunct
Tara Ney, BA Hon, MADR (UVic), PhD (Southampton), R. Psych, Adjunct

The Institute for Dispute Resolution is an interdisciplinary centre at the University of Victoria focused on public policy dispute resolution research, education, professional training, and community development. The Institute also acts as a resource service, not only for UVic students and faculty, but for government departments, non-governmental organizations, community groups, professionals, and others interested in improving dispute resolution processes or in applying alternative dispute resolution (ADR) techniques to their practical problems.

The Institute works collaboratively with a range of faculties and departments at the University of Victoria and maintains strong links to the dispute resolution community external to the University. The Institute's diverse research program has examined disputes in both public and private settings, including those involving land use and development, the environment, and the community. The Institute has also researched issues relating to the resolution of complex, multi-party public policy disputes, disputes involving First Nations, the institutionalization of ADR procedures, the relationship between culture and conflict, and the nature of power in dispute resolution, and has been involved in dispute resolution education and consultation nationally and internationally.

The Institute administers an interdisciplinary graduate program in public sector dispute resolution. An interdisciplinary Master of Arts in Dispute Resolution is offered through the Faculty of Human and Social Development. Professional development workshops are also offered in cooperation with the Division of Continuing Studies. The Institute receives support from the University, external research funding, and contract work.

Website: <dispute.resolution.uvic.ca>
Courses of Instruction

This section presents the descriptions of all courses offered at the University of Victoria. Courses are listed in alphabetical order by course abbreviation (BIOL, EDUC). The course abbreviations for all courses offered within each faculty are listed on page 222. A list of the course abbreviations and their corresponding subject areas is presented on page 223.

Please note that not all courses listed are necessarily offered every year; students should consult the department or faculty concerned for an official listing of the courses that will be offered in a given session. Registration and current timetable information is also available on the web at <registrar.uvic.ca>.
### Courses by Faculty

#### Faculty of Business
- **COM** Commerce
- **ENT** Entrepreneurship
- **HOS** Hospitality
- **HSM** Hospitality Service Management
- **IB** International Business

#### Faculty of Education
- **AE** Art Education
- **ED-D** Educational Psychology and Leadership Studies
- **ED-P** Teacher Education - Professional Studies
- **EDCI** Curriculum and Instruction Studies
- **IA** Interdisciplinary Arts
- **ME** Music Education
- **PE** Physical Education Instruction
- **SNSC** Social and Natural Sciences Education
- **TL** Teacher-Librarianship

#### Faculty of Engineering
- **CENG** Computer Engineering
- **CSC** Computer Science
- **ELEC** Electrical Engineering
- **ENGR** Engineering
- **MECH** Mechanical Engineering
- **SENG** Software Engineering

#### Faculty of Fine Arts
- **ART** Visual Arts
- **CW** Creative Writing (En’owkin Centre)
- **FA** Fine Arts
- **HA** History in Art
- **MUS** Music
- **THEA** Theatre
- **WRIT** Writing

#### Faculty of Human and Social Development
- **ADMN** Public Administration
- **CYC** Child and Youth Care

#### Faculty of Humanities
- **ARTS** Arts
- **CHIN** Chinese
- **ENGL** English
- **FREN** French
- **GER** German
- **GREE** Greek
- **HIST** History
- **HUMA** Humanities
- **ITAL** Italian
- **JAPA** Japanese
- **LAS** Latin American Studies
- **LATI** Latin
- **LING** Linguistics
- **MEDI** Medieval Studies
- **MEST** Mediterranean Studies
- **PACI** Pacific and Asian Studies
- **PHIL** Philosophy
- **PORT** Portuguese
- **RUSS** Russian
- **SEA** Southeast Asia
- **SLAV** Russian Studies
- **SPAN** Spanish
- **WS** Women’s Studies

#### Faculty of Law
- **LAW** Law

### Department Listings
- **CYCB** Aboriginal Community-based Child and Youth Care
- **HINF** Health Information Science
- **HSD** Human and Social Development
- **IGOV** Indigenous Governance
- **NURS** Nursing
- **SOCW** Social Work
- **HSD** Human and Social Development
- **HINF** Health Information Science
- **SLAV** Russian Studies
- **SPAN** Spanish
- **WS** Women’s Studies
- **LAW** Law
### Faculty of Science

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### Interdisciplinary Programs

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<td>RS</td>
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<tr>
<td>Writing</td>
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</table>
Course Abbreviation and Number
Courses are listed alphabetically by course abbreviation of up to four letters (e.g., ANTH for Anthropology) and course number (e.g., 100). Three numbers are used for course number plus a letter as appropriate. The first number indicates the year level (0 for university-level upgrading, 1 to 4 for undergraduate level, 5 and 6 for graduate level, 7 for Education Professional Year and 8 for co-op work terms). See page 223 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 222 for a list of courses offered by each faculty and page 223 for a list of course abbreviations.

SAMP 101 Units: 1.5 Hours: 3-0-1
Sample Course Name
Also: CD100
Formerly: SAMP 100A and 100B
This sample course description illustrates the notations commonly found in the course descriptions. Not all course descriptions include all the information shown in this sample. For clarification on any information presented in a course description, contact the department or faculty offering the course.
Course descriptions may also include sub-courses offered under the same course number.
Note: Up-to-date information is available from Department offices and from the Undergraduate Registration Guide and Timetable, which is available after June from Undergraduate Admissions and Records.
Prerequisites: Admission to UVic
Grading: INP/COM, N or F

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.

Course descriptions do not include information on when courses will be offered. That information is available online at <www.uvic.ca/timetable>.
UVIC UNDERGRADUATE CALENDAR 2006-07

226 COURSE LISTINGS

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 behaviour and organizational processes.

ADMN 314 Units: 1.5
Public Sector Research and Analysis
This course is an introduction to research methods in public and non-profit sector settings. Students learn to become informed consumers and critics of research and more effective managers of research-related projects. Data analysis skills are also strengthened with the use of spreadsheet software. Topics include definition and types of research; research design; measurement; methods of data collection; data coding; descriptive and inferential statistics; relationships between variables, ethical and organizational issues; and the research proposal and report.

ADMN 316 Units: 1.5
Written Communications in the Public and Non-Profit Sectors
Topics include how to: analyze a communication task; identify 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 use or intend to use market (e.g., contracts, vouchers, special operating agencies) and network (e.g., partnerships) arrangements with other government agencies, private corporations or third sector organizations as vehicles for service delivery and infrastructure creation. Focus is on understanding the shift in the public sector to greater use of alternative service delivery (ASD) vehicles, and developing an analytical framework for choosing, creating, managing and evaluating effective alternative arrangements.

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 between the non-profit, public and private sectors. Topics include: leadership, board governance, strategic analysis, volunteer management and partnering. Students will analyze how management concepts, models, principles and techniques have validity as applied in the context of non-profit and voluntary sector organizations.

ADMN 420 Units: 1.5
The Public Policy Process
An introduction to the policy process in the public sector. The course will include analysis of current theories of policy-making and will examine case studies from Canadian contexts. Topics include: policy formation; the policy communication process; the structural aspects of policy execution; and the human dimensions of implementation and coordination of policies in public sector organizations.

Note: Credit will be granted for only one of 420, 465.
Prerequisites: 311, 310 and/or 314 are recommended.

ADMN 421 Units: 1.5
Financial Management
This course gives students a financial management foundation focused on the needs of the public sector. Topics include: public sector financial management and budgeting, including capital budgeting and infrastructure investment; financial statements and their analysis; public sector accounting standards and financial reporting; cost management and control; and accountability and performance measurement. The emphasis will be on provincial and federal planning and reporting structures. The course will include tutorials for the Excel spreadsheet program.

Note: Credit will be granted for only one of 421, 448.

ADMN 422 Units: 1.5
Ethical Public Management
An exploration of value and ethical dilemmas which confront public and quasi-public sector officials in the workplace. The course will focus on process dilemmas related to political neutrality, confidentiality, privacy, fairness and accountability, as well as issues related to good, just and legitimate public policy. Students will have an opportunity to develop their own moral reasoning skills and apply them in case studies.

Note: Credit will be granted for only one of 422, 554 (formerly 519).

ADMN 423 Units: 1.5
Local Government in British Columbia
An examination of the legislative framework, organization, operation and finance of local government service delivery and regulation in British Columbia.

Note: Credit will be granted for only one of 423, 545.

ADMN 424 Units: 1.5
Serving Citizens: Managing Information and Engagement
Public sector institutions must manage a vast range of information and this course will introduce learners to key concepts and procedures for designing and managing effective information systems. The role of the Web and the relevant issues of security, access, and citizen engagement with e-government are also covered.

Note: Credit will be granted for only one of 424, 524.

ADMN 431 Units: 1.5
Public Sector Human Resources and Labour Relations
This course examines various aspects of the human resource function within public sector organizations and compares current theory and practice in: human resource planning; recruitment and selection; performance appraisals; compensation, benefits and promotions; career planning; and staff development. In addition, the course covers aspects of public sector labour relations including discipline and grievances, collective bargaining and managing in a unionized workplace.

Note: Credit will be granted for only one of 431, 425, 447, 531.

ADMN 437 Units: 1.5
Program Evaluation and Performance Measurement
Intensive introduction to organizational, methodological and professional issues involved in evaluating programs and measuring performance in public and non-profit organizations. Offers a practical understanding of the evaluative process, including identification of key evaluation questions, program logics, measurement, research design, and qualitative evaluation. Performance measurement is treated as a complementary set of skills for measuring and reporting program and organizational results. Includes modules on conceptual issues, implementation requirements and uses of performance measurement.

Note: Credit will be granted for only one of 437, 537.

ADMN 445 Units: 1.5
Urban and Regional Economics
Examines economic forces influencing settlement patterns, growth and other characteristics of towns, cities and regions. Course provides a theoretical and historical basis for analyzing and predicting how urban areas evolve and how public policies may affect patterns of growth and change. Topics include: regional economics; economic development; growth
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 291.

**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 begin with an introduction to 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 103** Units: 3.0
Formerly: 100
Introduction to Art Education
The role of art in education; practical exploration in art, classroom management and teaching techniques.

**Note:** Credit will be granted for only one of 103, 100, 101, 204, ED-A 701. Students planning to emphasize art in their degree program should register in this course.

**AE 200** Units: 1.5
Design
Creative problem solving through art. A studio exploration of the elements and principles of art, media and processes, and the development of ideas in fine and applied art. Consideration is given to the ways in which this theory and practical experience can be applied in a variety of teaching and learning contexts.

**AE 201** Units: 1.5
Image Development
A survey of methods and practices of innovative image transformation and development of skills and techniques through studio exploration. Instructional applications in various learning environments are considered.

**AE 205** Units: 1.5
Two-Dimensional Art
Teaching methods, techniques and studio investigation of media in drawing, painting, design, printmaking and other two-dimensional art.

**AE 208** Units: 1.5
Three-Dimensional Art
Studio investigation 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
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
Drawing
Development of skills and teaching methods in drawing through studio exploration. Instructional applica-

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**AE 310** Units: 1.5
Introduction to Applied Design
Introduction to skills and teaching methods in selected applied design areas through studio exploration.

**Note:** Credit will be granted for only one of 310, 304.

**AE 315** Units: 1.5
Curriculum Planning in Art Education
Study of art education curriculum guides and of methods of planning programs for the classroom.

**AE 316** Units: 1.5
Art Criticism
The development of skills in the process and practice of criticism. Writing, discussions, and presentations are components of this course as students learn to elicit meaning from contemporary and historical works of art. Instructional applications in various learning environments are provided.

**AE 317** Units: 1.5
Art Appreciation
Methods of teaching art appreciation with an emphasis on Canadian art. An investigation of art from the perspectives of aesthetics, art history, and art criticism. Students will prepare educational materials.

**AE 319** Units: 1.5
Photography
Basic approaches to photography as an art medium. An exploration of concepts and methods appropriate to elementary and secondary classrooms and other educational settings from simple technologies such as photograms and pinhole photography to 35 mm. cameras and darkroom procedures.
COURSE LISTINGS

AE 320  Units: 1.5  Hours: 3-1
Art and the Young Child
Study of characteristics and development of early childhood art through teaching and practical work and survey of evaluation methods for effective instruction.

AE 321  Units: 1.5  Hours: 3-1
Art in the Intermediate Grades
The development of a program specifically for students in the intermediate grades; investigating curricula and media relevant and meaningful to this age group.

AE 322  Units: 1.5  Hours: 3-1
Electronic Art
An introductory survey of electronic art creation through computer and video technologies; generating, scripting, storyboarding, and producing with a focus on 3D modeling and animation, presentational and interactive authoring, sound tracking, graphics development, and video production and editing; instructional, artistic, and commercial applications.

AE 401  Units: 1.5 or 3  Hours: 3-1
Special Studies
Studies of selected topics in the theory and practice of art education.
Note: May be taken more than once for credit normally to a maximum of 6 units with permission of an adviser in the Department of Arts in Education.

AE 402  Units: 1.5  Hours: 3-1
Specific Methodologies, Materials and Techniques in Art Education
402A - Drawing
402B - Painting
402C - Printmaking
402D - Sculpture
402E - Applied Design
402F - Photography
402G - Reasoned Criticism
Prerequisites: 316 or 317
Prerequisites: 303 or 309
Note: A student may take up to a maximum of 6 units of the above areas; however, the maximum number of units accepted for credit on the student's degree program will be at the discretion of the Department. Letter designations identify discrete areas for advanced study. In the interest of gaining breadth experiences, students taking more than 1.5 units of 402 should not repeat an area.
Prerequisites: Appropriate introductory course for the selected art area.

AE 422  Units: 1.5  Hours: 3-1
Advanced Electronic Art
An advanced exploration of electronic arts production through computer and video technologies. Individual multimedia projects will be created using 3D modeling and animation, presentational and interactive authoring, sound tracking, graphics development, and video production and editing.
Note: Credit will be granted for only one of 422, 402J in a degree program.
Prerequisites: 322.

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. Topics include the human fossil record, the archaeological record from stone age cultures to urban civilizations, and examination of contemporary human societies, drawn from various levels of complexity.
Note: Credit will not be granted for 100 and 100A, 100B.
Prerequisites: 100.

ANTH 200  Units: 1.5  Hours: 2-2
Formerly: 200A and B
Cultural and Social Anthropology
An introduction to the analysis of sociocultural systems. Major topics include subsistence, production and distribution, social organization, politics, religion, kinship, symbolic systems and culture change.
Note: Credit will not be given for 200 and 200A, 200B.
Prerequisites: 100.

ANTH 240  Units: 1.5  Hours: 2-2
Archaeology
An introduction to archaeological research and problems of interpretation. Laboratories will provide an opportunity to become familiar with archaeological materials and with some basic techniques of analysis.
Prerequisites: 100.

ANTH 250  Units: 1.5  Hours: 2-2
Physical Anthropology
An introduction to human biological evolution. Topics include the study of non-human primates, investigation of the human fossil record, human skeletal variation, population genetics, growth and development and morphological variation.
Prerequisites: 100.

ANTH 301  Units: 1.5  Hours: 3-0
Formerly: part of 300, 300A, 300B, 300C
Comparative Social Organization
Cross-cultural analysis of the main aspects of human social organization including associations and/or groups based on descent, age, gender, friendship, caste and class.
Note: Credit will be granted for only one of 301, 300, 300A, 300B, 300C.
Prerequisites: 200.

ANTH 304  Units: 1.5  Hours: 3-0
Technology in Culture
Critical approaches to the anthropological study of technology. The focus may be on prehistoric or 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
Oral traditions of nonliterate peoples. The structure and functions of specific types of material. The relation of the study of folklore and mythology to other interests in Anthropology.
Prerequisites: 100 or 200.

ANTH 309  Units: 1.5  Hours: 3-0
Visual Anthropology
Examination of theoretical and methodological approaches to visual anthropological research. Focus on film, photography and new media.
Note: Credit will be granted for only one of 309, 409, 390 if taken under this title.
Prerequisites: 200.

ANTH 310  Units: 1.5  Hours: 3-0
Anthropological Approaches to Comparative Religion
Consideration of the various approaches to the study of religion and religious behaviour used by anthropologists. Comparative analysis of belief and ritual systems.
Prerequisites: 100 or 200 or 321.

ANTH 311  Units: 1.5  Hours: 3-0
Formerly: 211
Introduction to Applied Anthropology
An introduction to the acquisition of culturally appropriate data for the solution of practical problems arising in the context of social change. The course surveys applications of anthropological research to various fields such as agricultural development, population planning, the impact of technological change, education, law, medicine, and heritage resource management.
Note: Credit will be granted for only one of 311, 211.
Prerequisites: 100 or 200.

ANTH 312  Units: 1.5  Hours: 3-0
Formerly: 412
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 formulation of researchable anthropological propositions, research design, and elementary techniques of data analysis.
Note: Credit will be granted for only one of 316, 416.
Prerequisites: A minimum grade point average of 3.50 for 200, 240 and 250.

ANTH 317  Units: 1.5  Hours: 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, 385 if taken under this topic.

Prerequisites: 200.

ANTH 323 Units: 1.5 Hours: 3-0
Ethnology of the Circumpolar Region
The cultures of Arctic and sub-Arctic Eurasia and North America.
Prerequisites: 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 ethnic identity and politics.
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 social 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 Plio-Pleistocene in Africa, Eurasia and Australianis. 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 Pre Columbian America
A survey of the archaeological record for the development of aboriginal cultures and societies of the New World prior to European colonization, from the 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. Completes the regional topics of 344, with which it will normally be combined to form the archaeological field school.
Note: Credit will be granted for only one of 343, 390 if 390 taken under this title.
Prerequisites: 240 and permission of the Department.

ANTH 344 Units: 1.5 Hours: 3-0
Regional Topics in Archaeology
Intensive study of topics in archaeological method and theory relevant to the interpretation of a single site or region. Complements the applied archaeological research of 343, with which it will normally be combined to form the archaeological field school.
Note: Credit will be granted for only one of 344, 390 if 390 taken under this title.
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: 250.

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

Note: Credit will be granted for only one of 349, 390, 390 if taken under this topic.

Prerequisites: 240.

ANTH 350 Units: 1.5 Hours: 3-0
Formerly: 350A
Primate Anatomy
Note: Credit will be granted for only one of 350, 350A.
Prerequisites: 250.

ANTH 351 Units: 1.5 Hours: 3-0
Human Paleontology
An examination of the fossil evidence for human evolution emphasizing the interpretation and reconstruction of the human lineage.
Note: Credit will be granted for only one of 351, 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 390 taken under this title.
Prerequisites: 250.

ANTH 391 Units: 1.5 Hours: 3-0
Formerly: 390
Selected Problems in Anthropology: Ethnology
Presentation of selected problems in anthropology.
Note: Credit will be granted for only one of 391, 390 if taken in the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the Departmental office.
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 392 Units: 1.5 Hours: 3-0
Formerly: 390
Selected Problems in Anthropology: Archaeology
Presentation of selected problems in anthropology.
Note: Credit will be granted for only one of 392, 390, 390C if taken in the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the Departmental office.
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 393 Units: 1.5 Hours: 3-0
Formerly: 390
Selected Problems in Anthropology: Cultural Anthropology
Presentation of selected problems in anthropology.
Note: Credit will be granted for only one of 393, 390, 390C if taken in the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the Departmental office.
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.
ANTH 394  Units: 1.5  Hours: 3-0  
Formerly: 390  
Selected Problems in Anthropology: Physical Anthropology  
Presentation of selected problems in anthropology.  
Note: Credit will be granted for only one of 394, 390, 390B if taken under the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the Departmental office.  
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 395  Units: 1.5  Hours: 3-0  
Formerly: 390  
Selected Problems in Anthropology: Method and Theory  
Presentation of selected problems in anthropology.  
Note: Credit will be granted for only one of 395, 390, 390A, 390B, 390C, 390D if taken under the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the Departmental office.  
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 396  Units: 1.5  Hours: 3-0  
Formerly: 390  
Selected Problems in Anthropology: Linguistic Anthropology  
Presentation of selected problems in anthropology.  
Note: Credit will be granted for only one of 396, 390, 390D under the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the Departmental office.  
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 400A  Units: 1.5  Hours: 3-0  
Formerly: part of 400  
History of Anthropological Theory  
History and development of the major trends in anthropological theory until the mid-twentieth century.  
Note: Credit will be granted for only one of 400A, 400.  
Prerequisites: Fourth-year standing and a minimum grade point average of 3.50 in 200, 240 and 250.

ANTH 400B  Units: 1.5  Hours: 3-0  
Formerly: part of 400  
Current Trends in Anthropological Theory  
Survey of recent developments in anthropological theory.  
Note: Credit will be granted for only one of 400B, 400.  
Prerequisites: Fourth-year standing and a minimum grade point average of 3.50 in 200, 240 and 250.

ANTH 401  Units: 1.5  Hours: 3-0  
Also: ES 430  
Cultural Ecology  
Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.  
Note: Credit will be granted for only one of 401, ES 430.  
Prerequisites: ES students: ES 200 or 300A, and one of ES 301 or 321; or permission of the Director.  
ANTH students: A minimum grade of B- in ANTH 200.

ANTH 402  Units: 1.5  Hours: 3-0  
Feminist Theory and Method in Anthropology  
The history and development of feminist anthropology; contemporary debates. Emphasis on the contribution of anthropology to feminist theory and of feminist critiques to the development of anthropology.  
Note: Credit will be granted for only one of 402, 390 if 390 taken under the same topic.  
Prerequisites: A minimum grade of B- for 200, or permission of the instructor.

ANTH 405  Units: 1.5  Hours: 3-0  
Economic Anthropology  
A comparative analysis of the social context of production, distribution and exchange systems.  
Prerequisites: 200.

ANTH 406  Units: 1.5  Hours: 3-0  
Political Anthropology  
Examination of the theoretical and methodological approaches to power and politics, based on anthropological research.  
Prerequisites: 200.

ANTH 409  Units: 1.5  Hours: 2-3  
Applied Ethnographic Film  
Seminar-based course focused on visual research and production of ethnographic film. Student teams produce original ethnographic videos using the Visual Media Lab digital cameras and computer editing software and equipment.  
Prerequisites: 200, 305 and 309.

ANTH 418  Units: 1.5  Hours: 3-0  
Cultural and Social Change  
Survey of the theories advanced to explain cultural and social change. Special attention will be given to the issues arising from the impact of complex cultures upon the native peoples of Africa, Asia, the Pacific and the Americas.  
Prerequisites: A minimum grade of B- in 200.

ANTH 420  Units: 1.5  Hours: 3-0  
Development Anthropology  
This course examines critiques of development theories and the practical application of anthropological research to development issues. Particular emphasis will be given to anthropological critiques of orthodox theories and models of “development”; anthropological case studies of the cultural and social impact of development, and culturally sustainable approaches to development.  
Prerequisites: 200

ANTH 441  Units: 1.5  Hours: 3-0  
Archaeological Method and Theory  
The strategy of research in archaeology: archaeology as a subdiscipline and its comparison with related fields. The course emphasizes theories of research methodology in archaeology as well as the contribution of archaeology to theories of cultural process.  
Prerequisites: 240.

ANTH 449  Units: 1.5  Hours: 2-3  
Archaeology of the Pacific Northwest  
Intensive study of problems of interpreting Pacific Northwest archaeological data. Field trips will be scheduled.  
Prerequisites: 240.

ANTH 450  Units: 1.5  Hours: 3-0  
Advanced Topics in Primate Behavioural Ecology  
Seminar-based course focused on in-depth exploration of topics related to primate behavioural ecology such as method and theory in behavioural ecology, feeding ecology, socio-ecology, reproductive ecology. Multi-species comparative approaches will be used.  
Note: Credit will be granted for only one of 450, 394 if taken under same topic.  
Prerequisites: 250 and 350 or 350A.

ANTH 451  Units: 1.5  Hours: 2-3  
Human Osteology  
This course is designed to familiarize students with theoretical and methodological approaches to the study of human skeletal remains.  
Prerequisites: 250.

ANTH 453  Units: 1.5  Hours: 3-0  
Human Evolutionary Ecology  
Theories, data and analyses of the adaptiveness of human behaviour assessed via modern evolutionary theory in ecological context.  
Prerequisites: 250.

ANTH 491  Units: 1.5  Hours: 3-0  
Directed Studies in Anthropology: Ethnology  
Individual study of specific research topics in ethnology with close collaboration and consent of Department and individual instructor.  
Note: Credit will be granted for only one of 491, 490 if taken under same topic. A student may receive credit in a maximum of 3 units of 491-495 courses.  
Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 492  Units: 1.5  Hours: 3-0  
Directed Studies in Anthropology: Archaeology  
Individual study of specific research topics in archaeology with close collaboration and consent of Department and individual instructor.  
Note: Credit will be granted for only one of 492, 490 if taken under same topic. A student may receive credit in a maximum of 3 units of 491-495 courses.  
Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 493  Units: 1.5  Hours: 3-0  
Directed Studies in Anthropology: Cultural Anthropology  
Individual study of specific research topics in cultural anthropology with close collaboration and consent of Department and individual instructor.  
Note: Credit will be granted for only one of 493, 490 if taken under same topic. A student may receive credit in a maximum of 3 units of 491-495 courses.  
Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 494  Units: 1.5  Hours: 3-0  
Directed Studies in Anthropology: Physical Anthropology  
Individual study of specific research topics in physical anthropology with close collaboration and consent of Department and individual instructor.  
Note: Credit will be granted for only one of 494, 490 if taken under same topic. A student may receive credit in a maximum of 3 units of 491-495 courses.  
Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.
ART 141 Units: 1.5 Hours: 0-1.5
An Introduction to Contemporary Art
Photography
An introductory lecture and practical course focusing on the ideas associated with contemporary art photography. Through lectures which will introduce students to various practices of contemporary photographers and photography assignments, students will gain insight into photography as an arts practice within the field of contemporary art.
Note: This course is open for non-visual art students and is available as an elective for Visual Arts students.

ART 150 Units: 1.5 Hours: 3-0
Introduction to Contemporary Art Theory:
Practice and Criticism
A lecture course introducing the terms and concepts necessary for an understanding of contemporary art.
Note: Normally class size is limited.

ART 151 Units: 1.5 Hours: 3-0
An Introduction to Contemporary Visual Art
A lecture course open to all students. The course will introduce some of the pertinent subjects and issues within contemporary art today. The course uses examples of contemporary art and provides a critical context in which to approach current art practices.
Note: This course is recommended for all Visual Art students.

ART 160 Units: 1.5 Hours: 0-3
Digital Photo-Arts
An introduction to concerns and methods in the contemporary digital practices in computer lab environment. Adobe Photoshop will be explored as an essential tool.
Note: Normally class size is limited.
Pre- or corequisites: 100 and 101.

ART 170 Units: 1.5 Hours: 0-3
Video Art
An introduction to the basic technical and aesthetic concepts in video production. The film and video works of contemporary artists will be explored.
Note: Normally class size is limited.
Pre- or corequisites: 100 and 101.

ART 200 Units: 1.5 formerly 3 Hours: 0-3
Drawing
A continuation of 101. Students will move towards a more independent way of working.
Note: Normally class size is limited.
Prerequisites: 100 and 101.

ART 210 Units: 1.5 formerly 3 Hours: 0-3
Painting
An extension of 110.
Note: Normally class size is limited.
Prerequisites: 100, 101 and 110.

ART 220 Units: 1.5 formerly 3 Hours: 0-3
Sculpture
A continuation of 120. Students will continue to develop their study of contemporary sculptural practices, with an increasing focus on their ability to undertake independent work.
Note: Normally class size is limited.
Prerequisites: 100, 101 and 120.

ART 240 Units: 1.5 formerly 3 Hours: 0-3
Photography
A continuation of 140, including both practical and theoretical aspects of photography.
Note: Students must supply their own camera. Normally class size is limited.
Prerequisites: 100, 101 and 140.
COURSE LISTINGS

ARt 313 Painting
Units: 3.0 Hours: 0-3
Advanced course in painting.
Note: Concurrent registration in two of 311, 312 and 313 is permitted. Advanced courses in painting do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 110 and 210.

ARt 321 Sculpture
Units: 3.0 Hours: 0-3
Advanced course in sculpture.
Note: Concurrent registration in two of 321, 322 and 323 is permitted. Advanced courses in sculpture do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 120 and 220.

ARt 322 Sculpture
Units: 3.0 Hours: 0-3
Advanced course in sculpture.
Note: Concurrent registration in two of 321, 322 and 323 is permitted. Advanced courses in sculpture do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 120 and 220.

ARt 323 Sculpture
Units: 3.0 Hours: 0-3
Advanced course in sculpture.
Note: Concurrent registration in two of 321, 322 and 323 is permitted. Advanced courses in sculpture do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 120 and 220.

ARt 334 Multi-Media Printmaking
Units: 3.0 Hours: 0-3
A studio course placing emphasis on the use of a variety of media in printmaking.
Note: Class size is limited. May be taken more than once for credit with permission of the Department.
Prerequisites: 130 and 230.

ARt 341 Photography
Units: 3.0 Hours: 0-3
An extension of 240. More advanced techniques and an emphasis on developing individual concerns.
Note: Students in these classes must have their own camera. Concurrent registration in two of 341, 342, 343 is permitted. It is not necessary that these courses be taken in sequence. Normally class size is limited.
Prerequisites: 140 and 240.

ARt 342 Photography
Units: 3.0 Hours: 0-3
An extension of 240. More advanced techniques and an emphasis on developing individual concerns.
Note: Students in these classes must have their own camera. Concurrent registration in two of 341, 342, 343 is permitted. It is not necessary that these courses be taken in sequence. Normally class size is limited.
Prerequisites: 140 and 240.

ARt 343 Photography
Units: 3.0 Hours: 0-3
An extension of 240. More advanced techniques and an emphasis on developing individual concerns.
Note: Students in these classes must have their own camera. Concurrent registration in two of 341, 342, 343 is permitted. It is not necessary that these courses be taken in sequence. Normally class size is limited.
Prerequisites: 140 and 240.

ARt 350 Contemporary Art Theory and Practice
Units: 3.0 Hours: 0-3
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 Special Studies
Units: 3.0 Hours: 0-3
This studio course will involve a study of a specialized topic or area and its relationship to practice.
Note: Normally only offered in summer studies and/or intersession. May be taken more than once for credit in different topics. Class size is limited.
Prerequisites: Minimum of 9 units in 100 and 200 level courses.

ARt 360 Digital Media Installation
Units: 3.0 Hours: 0-3
An advanced course in digitally-based art practice. May be repeated with Department's consent.
Note: Normally class size is limited.
Prerequisites: 180 and 260.

ARt 370 Digital Video Art
Units: 3.0 Hours: 0-3
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ARt 371 Digital Video Art
Units: 3.0 Hours: 0-3
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ARt 372 Digital Video Art
Units: 3.0 Hours: 0-3
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ARt 373 Digital Video Art
Units: 3.0 Hours: 0-3
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ARt 380 Curatorial Direction
Units: 3.0 Hours: 0-3
Using the resources of the Visual Arts Department, students will learn to develop ideas around the exhibition of works of art. This may include organizing thematic group shows, solo exhibitions, promotion, cataloguing, presentation and fund-raising.
Note: Normally class size is limited.
Prerequisites: Third-year standing and permission of the Department.

ARt 490 Directed Studies
Units: 3.0
This course is for advanced students who have a shared field of interest with a particular instructor. Students are expected to develop a proposal prepared in order to apply to an instructor for supervision.
Notes: - It is the expectation that, as well as the weekly conference time with their adviser, students will spend a minimum of 3 hours per week in the studio.
- Students may not take a third-year course and a directed studies with the same instructor in the same discipline in the same year.
Prerequisites: 6 units of credit in the specialized area of study, at least 3 units of which must be at the third year level, and permission of the Department. Normally for Major students only.

ARt 498 Honours Seminar
Units: 1.5 Hours: 0-1.5
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 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 Senior Project
Units: 10.5
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.
Astronomy
Department of Physics and Astronomy
Faculty of Science

Courses offered by the Department of Physics and Astronomy are also found under the following course code: PHYS (Physics).

ASTR 120  Units: 3.0  Hours: 3-3
Elementary Astronomy
A general science course designed to be accessible to students not majoring in science. Topics include: modern views of the origin and evolution of the universe (cosmology), nature and evolution of galaxies, birth and life cycle of stars, supernovae, black holes, time and space, dark matter, solar and extra-solar planets, moons, cosmic catastrophes, the possibility of extraterrestrial life, ancient views of the cosmos, constellations and features of the night sky. Practical and observational work will be included. Laboratories on alternate weeks.

Note: Physics and mathematics students who want a single astronomy course should consider 200A and 200B rather than 120.

ASTR 200A  Units: 1.5  Hours: 3-3
General Astronomy: I
Astronomical coordinate systems, time, Kepler's laws and planetary orbits, the earth-moon system, the planets and minor planets, comets, meteors and meteoroids, interplanetary particles, cosmogony, the sun.

Prerequisites: One of PHYS 112, 120 or 122, or permission of the Department; MATH 100 and 101.

ASTR 200B  Units: 1.5  Hours: 3-3
General Astronomy: II
Stellar distances and magnitudes, binary stars, spectral classification, stellar evolution, variable stars, stellar motions, star clusters, interstellar medium, structure and rotation of the Galaxy, external galaxies and cosmology.

Prerequisites: One of PHYS 112, 120 or 122; MATH 100 and 101.

ASTR 303  Units: 1.5  Hours: 3-0
Introductory Extragalactic Astronomy
Kinematics and morphology of spiral (including the Milky Way), elliptical and irregular galaxies. Introduction to current theory for the formation and evolution of galaxies and the large-scale structure. Observations of active galactic nuclei, jets and quasi-stellar objects.

Prerequisites: 200A and 200B; PHYS 215 and 216.
Pre- or corequisites: PHYS 317.

ASTR 304  Units: 1.5  Hours: 3-0
The Solar System
Astronomy and astrophysics of planets, satellites, comets, asteroids, meteorites and meteors, including recent results from space exploration.

Prerequisites: 200A and 200B; PHYS 215 and 216.
Pre- or corequisites: PHYS 317.

ASTR 400  Units: 1.5  Hours: 3-0
Radio Astronomy
The detection of cosmic radio waves; mechanisms for production of radio noise; the sources of radio waves; the contribution of radio astronomy to our knowledge of the universe.

Prerequisites: 200A and 200B; PHYS 215 and 216. PHYS 325 is recommended.
Pre- or corequisites: MATH 326.

ASTR 402  Units: 1.5  Hours: 3-0
Dynamical and Galactic Astronomy
Dynamics of the galaxy; Gravitational potential theory applied to the galaxy, and stellar orbits in the galaxy. Numerical methods for collisionless n-body systems. Equilibria of such systems; the collisionless Boltzmann equation. Dark matter. Systems of galaxies, cosmological implications.

Note: May be offered only in alternate years.
Prerequisites: 200A and 200B.
Pre- or corequisites: MATH 321B and MATH 326.

ASTR 403  Units: 1.5  Hours: 3-0
Introduction to Astrophysics: I
The observational data of astrophysics; stellar atmosphere and the production of stellar spectra.

Prerequisites: 200A and 200B; PHYS 317 and 323. PHYS 326 is recommended.
Pre- or corequisites: MATH 326.

ASTR 404  Units: 1.5  Hours: 3-0
Introduction to Astrophysics: II
The structure and evolution of the stars; interstellar matter; high energy astrophysics.

Prerequisites: 200A and 200B; PHYS 317, 323 and 326.
Pre- or corequisites: MATH 326.

ASTR 405  Units: 1.5  Hours: 3-0
Introduction to Cosmology
Observations and theory of the expanding universe; the cosmic microwave background and observations of light nuclear elements; the growth of structure from the cosmic microwave background; evidence of the expansion of the universe; the cosmic microwave background and observations of light nuclear elements; the growth of structure from the cosmic microwave background; evidence of the expansion of the universe; the cosmic microwave background and observations of light nuclear elements; the growth of structure.

Prerequisites: 200A and 200B or permission of the instructor, and MATH 326.

ASTR 429  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

2006-07 UVIC CALENDAR

BCMB
Biochemistry and Microbiology
Department of Biochemistry and Microbiology
Faculty of Science

Notes:

BCMB 301A  Units: 1.5  Hours: 0-6
Formerly: Part of BIOC 301, MICR 301
Intermediate Laboratory I
An intermediate course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of BCMB 301A and BIOC 301 or MICR 301.
Prerequisites: MICR 200A and 200B, or 200.
Pre- or corequisites: BIOC 300A, or BIOC 303; or permission of the Department.

BCMB 301B  Units: 1.5  Hours: 0-6
Formerly: Part of BIOC 301, MICR 302
Intermediate Laboratory II
An intermediate course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of BCMB 301B and BIOC 301 or MICR 302.
Prerequisites: 301A, MICR 200A and 200B, or 200.
Pre- or corequisites: BIOC 300B, or BIOC 303; or permission of the Department.

BCMB 406A  Units: 1.5  Hours: 0-6
Formerly: Part of BIOC 406, MICR 406
Advanced Laboratory I
An advanced course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of BCMB 406A and BIOC 406 or MICR 406.
Prerequisites: BIOC 301A and 301B, or BIOC 301 and MICR 301, 302; or permission of the Department.

BCMB 406B  Units: 1.5  Hours: 0-6
Formerly: Part of BIOC 406, MICR 406
Advanced Laboratory II
An advanced course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of BCMB 406B and BIOC 406 or MICR 406.
Prerequisites: BIOC 301A and 301B, or BIOC 301 and MICR 301, 302; or permission of the Department.

BIOC
Biochemistry
Department of Biochemistry and Microbiology
Faculty of Science

Notes:

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, dengue, 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, vaccine, 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 course.

**BIOC 200**  
*Units: 1.5  Hours: 3-0*

**Introductory Biochemistry**  

**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 intermediate level coverage of foundation topics in biochemistry. Protein structure and function, enzymes and enzyme kinetics, carbohydrates, lipids, biological membranes and bioenergetics.

**Note:** Credit will only be given for one of BIOC 300A and 300B.

**Prerequisites:** A minimum grade of B- in 200.  

**Pre- or corequisites:** CHEM 213 is recommended.

**BIOC 300B**  
*Units: 1.5  Hours: 3-0*

**Formerly: Part of 300**  
**General Biochemistry II**  
BIOC 300A and 300B are intended to provide intermediate level coverage of foundation topics in biochemistry. Metabolic processes and their control, as well as structure and function of DNA, RNA, and genes.

**Note:** Credit will only be given for one of BIOC 300B and 300A.

**Prerequisites:** A minimum grade of B- in 200.  

**Pre- or corequisites:** CHEM 213 is recommended.

**BIOC 401**  
*Units: 1.5  Hours: 3-0*

**Gene Expression in Eukaryotes**  
An advanced study of gene expression in eukaryotes. Topics will include 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*

**Biomembranes**  
The supramolecular structure, assembly and function of biological membranes. Topics will include the synthesis, structure and properties of membrane lipids, protein secretion and targeting, cell signaling, transport and bioenergetics.

**Prerequisites:** 300A and 300B, or 300; CHEM 213; or permission of the Department.

**BIOC 404**  
*Units: 1.5  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*

**Also: BIOC 507**  
**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, siRNA, 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 Bio/Micr program.

**BIOC 499**  
*Units: 3.0  Hours: 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.

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**BIOL 190B**  
*Units: 1.5  Hours: 3-3*

**General Biology II**  
The second of two courses introducing the biological sciences. Structure, growth, nutrition, and development of plants; animal diversity; principles of animal physiology including homeostatic mechanisms, circulation, gas exchange, osmoregulation, thermoregulation, defense systems, chemical signalling, reproduction, and development.

**Note:** Credit will be granted for only one of 190B, 220.  

**Prerequisites:** 190A or 210.

**BIOL 215**  
*Units: 1.5  Hours: 3-3*

**Principles of Ecology**  
An introduction to factors controlling the distribution and abundance of plants and animals. Physical environments of organisms; biotic environments and interactions among species; factors influencing population growth; behavioural ecology; community ecology; succession; trophic levels and energy flow; island biogeography; biodiversity; human impact on global ecology; conservation ecology.

**Note:** Credit will be granted for only one of 215, 306.  

**Prerequisites:** 190A or 210; 190B or 220; or equivalent.

**BIOL 225**  
*Units: 1.5  Hours: 3-3*

**Principles of Cell Biology**  
An introduction to cellular, subcellular, and molecular structure/function relationships in eukaryotic cells. Membrane structure and dynamics, membrane transport, protein sorting, vesicular transport, endocytic pathways, extracellular matrices, interactions with the cellular and acellular environments, endomembrane system, cytoskeleton and motility, cellular reproduction, mechanisms of cell signalling, techniques in cell biology.

**Note:** Credit will be granted for only one of 225, 200.  

**Prerequisites:** 190A or 210 or equivalent.

**Pre- or corequisites:** 190B or 220 or MICR 200 or 200A or equivalent.

**BIOL 230**  
*Units: 1.5  Hours: 3-3*

**Principles of Genetics**  
Introduction to principles of inheritance. Classical genetic theory; meiosis, mitosis, recombination, population genetics and evolution, genotypic, phenotypic, random assortment, dominance, DNA structure, function, replication and molecular basis of inheritance, RNA and protein synthesis, regulation of transcription and gene organization. Introduction to DNA technologies.

**Note:** Credit will be granted for only one of 230, 300.  

**Prerequisites:** 225.  

**Corequisites:** BIOC 200.

**BIOL 307**  
*Units: 1.5  Hours: 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**  
*Units: 1.5  Hours: 3-3*

**Developmental Biology**  
The development processes of animals, emphasizing the principles and major mechanisms regulating morphogenesis and cellular differentiation. Laboratories will introduce students to observations and manipulations of embryos of a range of organisms.

**Prerequisites:** 360.
### BIOL 311 Units: 1.5 Hours: 3-3
**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 be supplemented by field trips and experimental exercises. Participation in a single-day oceanographic cruise 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 Units: 1.5 Hours: 2-3
**Introductory Entomology**
An introduction to entomology including the biodiversity, ecology and conservation of insects. The lab will focus on identification of 33 orders and 175 families of insects. A collection of 50 species of insects will be required. Instructions and collecting equipment must be signed out at the end of the spring term preceding the course.

**Prerequisites:** 190B or 220, 215, third-year standing.

### BIOL 313 Units: 1.5 Hours: 2-2
**Economic Entomology**
A study of our greatest competitors for food and resources. Insects and arthropods of medical, household, stored products, horticultural, agricultural and forestry importance will be discussed. The variety of measures available for pest control will be emphasized.

**Prerequisites:** Third-year standing.

### BIOL 314A Units: 1.5 Hours: 2-3
**Marine Field Biology**
Introduction to methods and concepts of marine biological investigation. Description and comparison of species associations, spatial and temporal distribution patterns, food networks, life history strategies. Field emphasis will be on rocky shore, algae, forest, and infaunal ecosystems. The laboratory will emphasize accuracy in species identification.

**Prerequisites:** 215 and 321.

### BIOL 318 Units: 1.5 Hours: 3-3
**Systematics of Flowering Plants**
An introduction to systematic of angiosperms, including principles of classification; rules of nomenclature, identification and use of keys; the major groups of flowering plants; species concepts; and experimental approaches to systematics. A collection of 25 properly identified plants is required, preferably made during the preceding summer. Contact instructor for details and collecting equipment as early as possible.

**Prerequisites:** 190A or 210, 190B or 220; third-year standing; 324 recommended.

### BIOL 319 Units: 1.5 Hours: 3-3
**Marine Ecology**
The agents that control the distribution of organisms and structure of marine communities, including the influence of environmental conditions on plant and animal populations, organic matter and nutrient cycling, consumer dynamics and competition, community stability and diversity.

**Prerequisites:** 321 or 206, 306 or corequisite 330 or ES 310 or 344, 323 or 203 recommended.

### BIOL 321 Units: 1.5 Hours: 3-3
**Survey of Invertebrates**
Invertebrate diversity in an evolutionary perspective. Morphology, life histories, phylogeny, and upper level systematics; selected aspects of behaviour and physiology. Laboratory exercises include study of live and preserved specimens.

**Note:** Credit will be granted for only one of 321, 206.

**Prerequisites:** 190A or 210; 190B or 220, 225.

### BIOL 322 Units: 1.5 Hours: 3-3
**Biology of Marine Invertebrates**
Selected functional categories of invertebrate adaptations. In particular: defensive adaptations, adaptations related to feeding and nutrition, symbiotic relationships, musculo-skeletal systems, and reproductive and developmental adaptations. Emphasis is on interpretation of data from the published literature. Laboratory exercises involve study of live material and will include observations on behaviour, larval types, and anatomy as exposed by dissections.

**Prerequisites:** 321.

### BIOL 323 Units: 1.5 Hours: 3-3
**Algae and Fungi**
The origins, classification, evolution, genetics, physiology, ecology, and economic uses of the algae and fungi. Laboratories introduce plants from the local flora and include field trips to terrestrial and marine habitats.

**Note:** Credit will be granted for only one of 323, 203.

**Prerequisites:** 215, 225, 230.

### BIOL 324 Units: 1.5 Hours: 3-3
**Higher Plants**
The origins, classification, and evolution of land plants including bryophytes, ferns and fern allies, conifers and other gymnosperms, and flowering plants. Laboratories emphasize local plants and include field trips.

**Note:** Credit will be granted for only one of 324, 204.

**Prerequisites:** 190A or 210; 190B or 220.

### BIOL 329 Units: 1.5 Hours: 3-3
**Ecology of the Vertebrates of British Columbia**
Factors that influence the organization, distribution, and diversity of vertebrates in BC. Topics include: natural history, systematics, sample design, biodiversity, and conservation initiatives. Course goals are to appreciate the diversity of vertebrates and understand life histories and species-at-risk issues. The lab will focus on identification of over 400 species of vertebrates by using calls, digital images, and study skins. Optional field trips. Attendance at the Annual Vertebrate Symposium is mandatory.

**Prerequisites:** 215; third-year standing.

### BIOL 330 Units: 1.5 Hours: 3-3
**Ecological Methods**
An introduction to the statistical analysis of ecological data, experimental design, and sampling design. Laboratories emphasize computer-based analysis of selected data sets and report writing, as well as a major project.

**Note:** Credit will be granted for only one of 330, ES 310, ES 344.

**Prerequisites:** 190A or 210, STAT 255; third-year standing; STAT 256 recommended.

### BIOL 331 Units: 1.5 Hours: 3-0
**Applied Plant Physiology**
Application of physiological principles of plant growth to problems in horticulture, agriculture and forestry.

**Note:** Credit for this course will not be counted toward degree programs in Biology, but Biology students may take this course as an elective.

**Prerequisites:** Third-year standing.

### BIOL 332 Units: 1.5 Hours: 3-3
**Developmental Plant Anatomy**
Origin and development of cells, tissues and organs in vascular plants with special emphasis given to seed plants. The mature structures are discussed as they relate to function. Recent studies of plant ultrastructure are considered in view of development and function.

**Prerequisites:** 324 or 204.

### BIOL 335 Units: 1.5 Hours: 3-3
**Ichthyology**
The evolution and diversity of fishes. Emphasis on form and function, ecology, behaviour, sensory modes, fishery management, global crises in fisheries, and marine protected areas. Laboratories include identification of major groups of fishes, methodological and experimental approaches to the study of fishes.

**Note:** Credit will be granted for only one of 335, 431A. Not open to students with credit in MINE 412.

**Prerequisites:** 215 and third-year standing; 307 recommended.

### BIOL 344 Units: 1.5 Hours: 3-3
**Animal Behaviour**
Evolutionary and comparative analyses of behaviour in the animal kingdom, from geotaxis to consciousness. Ecological, neuroendocrinological and physiological integration of behaviour. Hunting strategies, reproduction, communication and language, altruism, aggression, territoriality and war. Laboratories use representative invertebrates and vertebrates to examine continuity of process in the mechanism and evolution of behaviour.

**Note:** Credit will be granted for only one of 345, MINE 446.

**Prerequisites:** 190A or 210; 190B or 220; 215 or declared program in ANTH or Combined BIOL/PSYC; third-year standing.

### BIOL 345 Units: 1.5 Hours: 3-0
**Cell Biology**
Structure and function of animal and plant cells and tissues, membrane structure, transport, cellular compartments, cytoskeleton, cell growth and division, cell adhesion, extracellular matrix, tissue organization and renewal.

**Prerequisites:** 225 and 230 are recommended.

**Pre- or corequisites:** BIOL 300 or 300A or 300B.

### BIOL 351 Units: 1.5 Hours: 3-0
**Molecular Genetics**
Molecular basis of inheritance in eukaryotic organisms. Classical genetic theory, control of gene expression, chromosome structure and evolution, immunogenetics, population genetics.

**Prerequisites:** 225 and 230 are recommended.

**Pre- or corequisites:** BIOL 300, 300A and 300B.

### BIOL 352 Units: 1.5 Hours: 3-3
**Techniques in Molecular Biology**
An introduction to basic techniques in molecular biology. Nucleic acid (DNA and RNA) extraction; RT-PCR; molecular cloning; gel electrophoresis; radiolabeling and non-isotopic labeling of DNA probes; Northern Blots, Southern Blots and Western Blots;
Computer based analyses of nucleotide sequence data. Students will undertake laboratory safety assignments on WHMIS, BioSafety and Radiation Safety.

**Prerequisites:** 230; 360 or 361 recommended.

### BIOL 365 Units: 1.5 Hours: 3-3
**Animal Physiology**
Fundamentals of animal physiological systems: principles of cellular and organismal homeostasis, nutrition, digestion, salt/water balance, respiration, circulation, muscle contraction, excitable membranes, sensory systems, brain functions, hormones, reproduction. Laboratory includes study of live animals.

**Note:** Credit will not be given for 365 and 305A, 305B.

**Prerequisites:** 190A or 210; 190B or 220; 225; BIOC 200; third-year standing.

### BIOL 366 Units: 1.5 Hours: 3-3
**Plant Physiology**
Principles of plant physiology: photosynthesis, water relations, ion uptake, translocation, carbohydrates, nitrogen and lipid metabolism, phenolics, phytohormones, tropisms, phytochrome.

**Note:** Credit will not be given for 366 and 331A, 331B.

**Prerequisites:** 225.

**Pre- or corequisites:** BIOC 200; third-year standing.

### BIOL 370 Units: 1.5 Hours: 3-0
**Conservation Biology**
Diversity of organisms, functioning of ecosystems, and the impact of human activities on these. Topics include the nature of biological diversity; extinction and its cause; habitat alteration and fragmentation; effects of exotic species; economic and ethical considerations; practical applications and analytical tools; and legal frameworks for conserving species and habitats.

**Note:** Credit will be granted for only one of 370, ER 313, ES 318, ES 320, ES 348.

**Prerequisites:** 190A or 210, 215, 230, and STAT 255 or 260.

### BIOL 400 Units: 1.5 Hours: 3-0
**History of Biology**
The historical development of the major techniques and ideas of biology, including the significance of the important historical contributors to biology.

**Prerequisites:** Third-year standing or permission of the instructor.

### BIOL 401A Units: 1.5 Hours: 3-0
**Biotechnology**
The tools of molecular biology and biotechnology (including the enzymes, cloning vectors and cloning strategies used in recombinant DNA technology, as well as the origins of these tools), and the application of genetic engineering to medicine, agriculture, forestry, forensic science and related areas. Lectures will also include bioethics and the impact of biotechnology on society.

**Pre- or corequisites:** 360 or 361 or BIOC 300 or 300B.

### BIOL 401B Units: 1.5 Hours: 1-3
**Techniques in Biotechnology**
Advanced techniques in molecular biology and molecular cloning, characterization of recombinant DNA molecules, gene expression, and polymerase chain reaction.

**Prerequisites:** 401A.

**Pre- or corequisites:** 362.

### BIOL 404 Units: 1.5 Hours: 3-0
**Sensory Biology**
Recent advances in the study of development and function of sensory systems, with emphasis on cellular and molecular mechanisms. Assignments will promote skills for evaluating primary scientific literature, developing hypotheses, and designing experiments.

**Prerequisites:** 225, 230, and 360 or 361; 309, 365, and 409A recommended.

### BIOL 409A Units: 1.5 Hours: 3-0
**Neurobiology: Molecules to Behaviour**

**Prerequisites:** 360 or 365.

**Corequisites:** Students with fourth-year standing in a declared program in Combined BIOL/PSYC may take 360 or 365 as a corequisite.

### BIOL 409B Units: 1.5 Hours: 2-4
**Experimental Neurobiology**
Laboratory investigations of the neural basis of behaviour. Selected sensory and motor systems studied at the cellular, neuronal circuit, and whole animal levels. Techniques include extracellular and intracellular recording and stimulation; anatomical tracing of neuronal pathways; computerized acquisition and analyses of electrophysiological data.

**Note:** Enrollment limited to 10. Offered in spring of even-numbered years.

**Prerequisites:** 360 or permission of the instructor.

### BIOL 410 Units: 1.5 Hours: 2-3
**Herpetology**
The biology of amphibians and reptiles, particularly evolutionary relationships, systematics, ecology, and physiology. Presentations required. Laboratory involves mainly taxonomic identifications. Field trips when possible.

**Prerequisites:** 307 or 207.

**Pre- or corequisites:** 355 or 455, and 330 or ES 310 or 344.

### BIOL 412 Units: 1.5 Hours: 2-3
**Advanced Entomology**
Recent advances in the field of entomology with special emphasis on invasive species, canopy biodiversity, and forest and freshwater ecosystems. Students will be expected to become familiar with recent literature from leading journals. A seminar presentation will be required. The lab will focus on insect identification, data analysis, and presentation of results.

**Prerequisites:** 312.

**Pre- or corequisites:** 330 or ES 310 or 344.

### BIOL 415B Units: 1.5 Hours: 2-3
**Experimental Mycology**
The molecular genetics of fungi. Assessment of genetic variation in fungal populations; cloning and expression of fungal gene products. Students conduct group research projects and present a report.

**Prerequisites:** 360 or 300; 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 422 Units: 1.5 Hours: 3-0
**Species Diversity in Biological Systems**
Intended for students with an ecology focus. Diversity in organism communities examined to understand current thinking on the patterns of diversity and their causes. The course will proceed from localized contexts to regional and global perspectives. A background in fundamental ecological processes and specialized phenomena will be required.

**Prerequisites:** Completion of core, 330 or ES 310, and fourth-year standing.

### 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, growth factors, steroids, the superfamily of steroid and thyroid receptors, pheromones, oncogenes, and immunoenocrinology. Lectures and presentations of scientific papers.

**Prerequisites:** 365 or 305A or permission of the instructor.

### BIOL 435 Units: 1.5 Hours: 3-0
**Molecular Evolution**

**Prerequisites:** 215, 225, 230.

**Pre- or corequisites:** One of: 330, 455, BIOC 300, 300A, 300B, ES 310, 344.

### BIOL 436 Units: 1.5 Hours: 3-0
**Human Molecular Genetics**
Survey of the organization, structure/function, and mapping of the human genome; the biochemical and molecular basis, screening, prevention, and treatment of various human diseases, including cancer.

**Prerequisites:** 215, 225, 230, 361 or BIOC 300 or 300A or 300B, or permission of the instructor.
BIOL 437 Units: 1.5 Hours: 3-0
DNA Mutation and Repair
An overview of the current models of DNA repair and its control in microorganisms and mammalian cells. The experimental elucidation of the mechanisms of repair.
Prerequisites: 215, 225, 230, 380.

BIOL 438 Units: 1.5 Hours: 3-0
Ecology of Prokaryotes
An introduction to the ecology of prokaryotes (bacteria and archaea). Diversity and evolution of populations and communities of prokaryotes and their role in the major biogeochemical cycles: carbon, nitrogen, sulfur. Genetic, biochemical, physiological and ecological aspects of processes such as nitrogen fixation and methanogenesis; design of experimental approaches to assess cycling of elements in forests, lakes and oceans by prokaryotes.
Prerequisites: 330 or ES 310 or 344 or MICR 200, or 200A and 200B, or permission of the instructor.

BIOL 439 Units: 1.5
Molecular Epidemiology
Basic principles and applications of molecular epidemiology in epidemiological research. An overview of terminology and definitions, the use of statistics, and ethical consideration.
Prerequisites: 215, 225, 230, STAT 255 or 260.

BIOL 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 448 Units: 1.5 Hours: 3-2
Neuroethology
Examination of the nervous system of behaviour. Insights into the neuronal organization of behaviour through examination of neural solutions that have evolved in individual species to solve problems encountered in their particular environments. Examples in individual species will be used to illustrate how neuronal systems integrate information to shape behaviour in a real-world context. Research papers and seminar presentations based on the primary literature will be emphasized.
Prerequisites: One of 345, 365, 305A or 305B.

BIOL 452 Units: 1.5 Hours: 3-0
Developmental Biology of Plants
Structure and function of plant cells during vegetative and reproductive growth. Emphasis on molecular biological experimentation with model systems.
Prerequisites: 360, or BIOL 300, or 300A and 300B.

BIOL 453 Units: 1.5 Hours: 3-0
Stress Physiology of Plants
An advanced study of the physiological responses of plants to temperature extremes, droughts, salinity, radiation stress, and air pollution.
Pre- or corequisites: 366.

BIOL 455 Units: 1.5 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 iso-prenoids, phenolics and alkaloids.
Prerequisites: Not open to students with credit in 490A in this topic.
Prerequisites: BIOL 200, BIOL 300 or 300A or 300B is recommended.

BIOL 460 Units: 1.0
Honours Seminar
Participation in seminars as arranged by the Department and the Honours Coordinator. Required of all Honours students in their fourth year of studies, as an addition to the normal 15 units.
Grading: COM, N, or F

BIOL 465 Units: 1.5 Hours: 3-0
The Molecular Basis of Cancer
Clinical terminology, concepts of cancer epidemiology, DNA mutation and repair, molecular basis of cell cycle regulation, cell proliferation and apoptosis. Special emphasis on chemotherapy, gene therapy, diet and cancer, and the immunology of cancer.
Prerequisites: 215, 225, 230, 360.

BIOL 490A Units: 1.5
Directed Studies and Research in Botany
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC, letter grade

BIOL 490B Units: 1.5
Directed Studies and Research in Ecology
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC, letter grade

BIOL 490C Units: 1.5
Directed Studies and Research in Evolution
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC, letter grade

BIOL 499 Units: 3.0
Thesis or Tutorial
Research under the direction of faculty.
Note: Open to Honours students only.
Grading: INP, letter grade

CENG

Computer Engineering Department of Electrical and Computer Engineering
Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CSC (Computer Science), ELEC (Electrical Engineering), ENGR (Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

CENG 241 Units: 1.5 Hours: 3-3
Formerly: 290
Digital Design I
Boolean algebra, canonical expressions, logic gates and their physical realization. Fan-in and fan-out, timing, rise and fall times, delay. Combinational circuits minimization (Karnaugh map, Quine-McCluskey, Tools-Expresso, others). Standard circuits - adders, multiplexers, demultiplexers, etc. Memory elements, flip-flops. State transition diagrams, Mealy-Moore finite state machines. State assignment and machine realization, counters. Introduction to Verilog and its use to design combinational and sequential circuits. Advanced topics to include design with PLDs, PLAs, FPGAs.
Note: Credit will be granted for only one of 241, 290.
Prerequisites: 2nd year standing in Engineering.

CENG 245 Units: 1.5 Hours: 3-0
Formerly: 345
Discrete Structures
Problem-solving and proof techniques; induction and recursion concepts. Sets, counting, functions, relations, lattices; application of set structures; Boolean algebra, switching circuits, propositional logic. Groups, semi-groups, rings, fields; application of group structures; binary arithmetic, error-correcting codes, and cryptography. Directed and undirected graphs, paths, cycles, cuts, trees, graph traversals.
Application of graph structures; finite automata, electrical networks, signal flow, network.

Note: Credit will be granted for only one of 245, 345.

Prerequisites: MATH 101 and 133 or 233A.

CENG 255 Units: 1.5 Hours: 3-1.5
Also: CSC 230
Introduction to Computer Architecture
The architecture of computer systems including concepts such as CPU, memory, buses, I/O, cache, instruction sets, interrupt processing, pipelining, performance. Families of processors, CISC, RISC. Memory organization and management (including virtual memory, protection, segmentation and paging). Computer arithmetic. The use of assemblers, linkers and loaders. Assembly language programming and its interface with a high level language (C).

Note: Credit will be granted for only one of 255 and CSC 230.

Prerequisites: CSC 115 or 160.

CENG 355 Units: 1.5 Hours: 3-1.5
Microprocessors and Systems
Processor organization: general-purpose and application-specific processors, datapath and control implementation, pipelining concepts. Memory organization: static and dynamic semiconductor memory, optical and magnetic memory, memory hierarchy and caches. I/O organization: physical and logical interfaces, interrupts and interrupt services routines, direct memory access (DMA), device drivers. Buses and protocols: bus signalling and arbitration, example of modern buses, communications protocol concepts. Computer networking, network topologies, protocol stack, examples of modern networks.

Prerequisites: 255, or CSC 230, or MECH 405.

CENG 420 Units: 1.5 Hours: 3-0
Formerly: 490
Artificial Intelligence
Philosophy of artificial intelligence. AI programs and languages, representations and descriptions, exploiting constraints. Rule-based and heuristics systems. Applications to engineering.

Note: Credit will be granted for only one of 420, 490.
Credit will not be given for both 420 and CSC 421 without permission of the Chair or Director responsible for the student's degree program.

Prerequisites: Fourth-year standing in the Faculty.

CENG 441 Units: 1.5 Hours: 3-1.5
Design of Digital and VLSI Systems

Note: Credit will be granted for only one of 441, 440, or 441, 465.

Prerequisites: 241 or 290, and fourth-year standing.

CENG 442 Units: 1.5 Hours: 3-1.5
Digital Integrated Circuits
Silicon logic: logic design with MOSFET, CMOS, and BiCMOS, physical structure, physical design, fabrication. Logic-electronic interface: characteristics of MOSFETs, CMOS analysis and design, VLSI design: CAD tools, system components, arithmetic circuits, memory and programmable logic, system-level physical design, clocking and testing.

Prerequisites: 241 or 290, and ELEC 330, and fourth-year standing.

CENG 450 Units: 1.5 Hours: 3-3
Computer Systems and Architecture
Architecture and performance of modern processors, performance metrics; instruction set architectures and their impact on performance; instruction and arithmetic pipelines; pipeline hazards; exception handling; caches. Integral to the course is a Project Laboratory. Working in teams, students are expected to design and implement a processor based on a given specification of a simple instruction set. Student's progress is determined through a preliminary design review, a presentation, demonstration of the implementation, and a final report.

Prerequisites: 355 or CSC 355, and fourth-year standing.

CENG 453 Units: 1.5 Hours: 3-0
Parallel and Cluster Computing
Overview of massively parallel and cluster computers. Processing models (shared memory versus message passing). Processes and threads. Standard algorithms utilizing parallelism. Matrix and vector operations, N-body problems, collective communications. Parallel application environments MPI and OpenMP. 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
Analysis and Design of Computer Communication Networks

Prerequisites: STAT 254 or 260, and fourth-year standing.

CENG 496 Units: 1.5 Hours: 3-0
Special Topics
Presents material in an emerging field or one not covered in regular offerings. Some topics may require laboratory work as well as lectures.

Note: Offered as CENG 496A, 496B, 496C, 496D, 498E, 498F. May be taken more than once for credit in different topics with permission of the Chair of the Department.

Prerequisites: The student must be registered in term 4A or 4B.

CENG 499A Units: 1.5 Hours: 0-6
Design Project
A significant technical design project in Computer Engineering completed under the supervision of a faculty member. This design experience is based on the knowledge and skills acquired in earlier course work. Projects may originate from faculty members, students, or external sources. They may have a diverse nature and serve diverse needs. Multi-disciplinary projects are encouraged.

Prerequisites: The student must be registered in Term 4A in the Computer Engineering Program or have permission of the Department.

CENG 499B Units: 1.5 Hours: 0-6
Design Project
Note: For description see CENG 499A.

Prerequisites: The student must be registered in Term 4B in the Computer Engineering Program or have permission of the Department.

CHEM
Chemistry
Department of Chemistry
Faculty of Science

CHEM 101 Units: 1.5 Hours: 3-3
Fundamentals of Chemistry I
Introduction to the modern theory of atomic structure and its relation to chemical bonding. Introduction to organic chemistry. Laboratory illustrates the behaviour of chemical systems and some of the basic techniques associated with quantitative chemical experimentation.

Notes: Credit will be granted for only one of 101, 103, 124, 140, 150.

Students without Chemistry 12 must also enroll in 091 if they wish to take CHEM 102.

CHEM 091 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 222 Units: 1.5 Hours: 3-4  
CHEM 213 Units: 1.5 Hours: 3-0  
CHEM 215 Units: 1.5 Hours: 3-4
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**Note:** Credit will be granted for only one of 347, 446.  
**Prerequisites:** 213 or 245, and MATH 101.

**CHEM 352**  
**Units:** 1.5  
**Hours:** 3-0  
**Reaction Mechanisms and Dynamics**  
Predicting the kinetic behaviour of different types of mechanisms. Deduction of mechanisms and interpretation of activation parameters from experimental data. Predicting and controlling rate by varying solvents, substituents, catalysts, etc. Use of a wide range of examples from inorganic and organic chemistry to illustrate these ideas.  
**Prerequisites:** 222, 245, and 232 or 235.

**CHEM 353**  
**Units:** 1.5  
**Hours:** 3-0  
**Structure, Reactivity and Bonding**  
**Prerequisites:** 222, and 232 or 235.

**CHEM 361**  
**Units:** 1.5  
**Hours:** 0-3  
**Formerly:** Part of 312 and 318 (prior to 2001W session)  
**Analytical Chemistry Laboratory**  
This laboratory will build on expertise acquired in CHEM 212, with greater emphasis on electrochemical and more advanced techniques. Students should note that this is a two-term course.  
**Note:** Credit will only be given for 361 or either 312 or 318 if taken prior to Winter 2001.  
**Prerequisites:** 212.  
**Grading:** Letter grade, INP

**CHEM 362**  
**Units:** 1.5  
**Hours:** 0-3  
**Formerly:** Part of 323 and 324 (prior to 2001W session)  
**Inorganic Chemistry Laboratory**  
This laboratory course will emphasize synthetic techniques and manipulations in organometallic and coordination chemistry; spectroscopic characterization of sensitive compounds; principles of transition metal chemistry. Students should note that this is a two-term course.  
**Note:** Credit will only be given for 362 or either 323 or 324 if taken prior to Winter 2001.  
**Prerequisites:** 213 and 222.  
**Grading:** Letter grade, INP

**CHEM 363**  
**Units:** 1.5  
**Hours:** 0-3  
**Formerly:** Part of 335 and 338 (prior to 2001W session)  
**Organic Chemistry Laboratory**  
This laboratory course will emphasize organic synthesis and the relationship between spectra and structure of synthesized materials; analysis of synthesized compounds will be shown to relate structure with reactivity and stereoelectivity. Students should note that this is a two-term course.  
**Note:** Credit will only be given for 363 or either 335 or 338 if taken prior to Winter 2001.  
**Prerequisites:** 213, and 232 or 235.  
**Grading:** Letter grade, INP

**CHEM 364**  
**Units:** 1.5  
**Hours:** 0-3  
**Formerly:** Part of 346 and 347 (prior to 2001W session)  
**Physical Chemistry Laboratory**  
This laboratory course builds on expertise acquired in CHEM 245 and presents a variety of physical chemistry experiments at an intermediate level. Students should note that this is a two-term course.  
**Note:** Credit will only be given for 364 or either 346 or 347 if taken prior to Winter 2001.  
**Prerequisites:** 213, and 232 or 235  
**Grading:** Letter grade, INP

**CHEM 400A**  
**Units:** 1.5  
**Hours:** 3-0  
**Applications of Chemistry**  
For students who have completed at least two years of chemistry. Chemicals in agriculture (fertilizers, herbicides, insecticides, 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 423**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Organometallic Chemistry**  
A detailed look at transition metal organometallic bonding theory, synthesis and reactivity of sigma-bonded alkyls and aryls, metal carbonyls and pi-bonded organic liquids such as alkenes, alkylnes, 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:** 2-0-1  
**Advanced Main Group Chemistry**  
A more advanced selection of topics in modern s- and p-block chemistry designed to build on the principles established in 222 and 353. Topics may include main group organometallics, novel structures and reactivity, inorganic polymers, zeolites, and fullerenes.  
**Prerequisites:** 353.

**CHEM 432**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Advanced Organic Synthesis**  
A more advanced consideration of synthetic methodology designed to build on the principles established in 335.  
**Prerequisites:** 335.

**CHEM 433**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Organic Structure Determination: the Chemistry of Natural Products**  
Elucidation of the structures of organic compounds from informational data. The chemistry of several classes of natural products, including examples demonstrating structural elucidation, synthesis, and biogenes.  
**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 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:** 2-0-1  
**Instrumentation and Electronics**  
An introduction to electronics, with particular reference to connection, fault-diagnosis, and comprehension of scientific instruments. Basic electronic components, schematics, op-amps, transistors, construction, methods, basic digital electronics, instrument connection (impedance matching, computer interfaces), transducers.  
**Prerequisites:** 212 or 312.

**CHEM 458**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Statistical Thermodynamics**  
Ensembles, partition functions, distinguishable and indistinguishable molecules; statistical mechanical expressions for thermodynamic functions; application to ideal monatomic, diatomic and polyatomic gases, monatomic crystals and chemical equilibrium; classical and quantum statistics.  
**Prerequisites:** 213 and 245.

**CHEM 459**  
**Units:** 1.5  
**Materials Science**  
Introduction to properties of materials from a chemical perspective, including the principles behind modern materials and their technological applications. Electronic structure of solids. Electrical conductivity, types of conducting materials: metals, semiconductors, polymeric conductors. Other topics may include magnetic, optical, mechanical, or interfacial properties.  
**Prerequisites:** 353.

**CHEM 465**  
**Units:** 1.5  
**Hours:** 0-6  
**Fourth Year Laboratory**  
Advanced laboratories in chemistry. Students may choose two components from options in the following areas: analytical, inorganic synthesis and properties, organic synthesis and properties, or spectroscopy and physical measurement.  
**Prerequisites:** Permission of the Department.

**CHEM 466**  
**Units:** 1.5  
**Hours:** 0-6  
**Fourth Year Laboratory**  
Advanced laboratories in chemistry. Students must choose 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: 2-0-1
**Organic Photochemistry/Reactive Intermediates**
Introduction to organic photochemistry and photophysics. Reactivity and mechanisms of organic functional groups on electronic excitation. Structure and reactivity of organic reactive intermediates such as radicals, biradicals, carbenes, nitrenes, carbocations, and carbanions. Fast kinetic methods for study of the above topics will be emphasized.
Prerequisites: 352.

CHEM 475 Units: 1.5 Hours: 2-0-1
**Surface Science and Electrochemistry**
Concepts of surface science (including surface electrochemistry): types of adsorption, surface symmetry and nomenclature for surface structures, the surface chemical bond, heterogeneous catalysis. Methods of surface science: interaction of electrons, photons and ions with surfaces and the use of these probes to measure surface structure and properties. Surface thermodynamics and kinetics: isotherm and island growth mechanisms, electrode kinetics, mass transport in electrochemistry. Case study: the automotive catalytic converter.
Prerequisites: 352.

CHEM 476 Units: 1.5 Hours: 2-0-1
Formerly: 336
**Introductory Polymer Chemistry**
Kinetics and mechanisms of polymer and copolymer synthesis, characterization of polymers and molecular weight distributions. Thermodynamics of polymer solutions, the crystalline and amorphous states, rubber elasticity, structure-property relationships. Special topics in polymer materials.
Note: Credit will be given for only one of 476, 336.
Prerequisites: 232 or 235.

CHEM 477 Units: 1.5 Hours: 2-0-1
**Computational Chemistry**
Introduction to the use of computers to calculate data such as properties of molecules, kinetic or thermodynamic parameters of reactions.
Prerequisites: 347 or 446.

CHEM 478 Units: 1.5 Hours: 2-0-1
Formerly: 306
**Introduction to the Chemical Process Industries**
A comparative discussion of a number of chemical industries and the details of their processes. To include unit operations, unit processes and economics.
Note: Credit will be granted for only one of 478, 302, 303, 306. This course is primarily designed for students taking a Chemistry program.
Prerequisites: 222, 245, and 232 or 235.

CHEM 480 Units: 1.5 Hours: 2-0-1
**Chemical Applications of Group Theory**
Properties of a group; symmetry operations and symmetry elements; molecular symmetry groups; representations and characters; symmetry classification of 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: 0-6
**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: 0-6
**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 149 Units: 3.0 Hours: 6-1
**Intensive Chinese: I**
Intensive Chinese language instruction for beginning language students. Equivalent to 100A and 100B but covered in one term.
Note: Credit can be granted for only one of 149 or 100A and/or 100B. Not open to native speakers. Limited to 25 students per section.

CHIN 150 Units: 3.0 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 (or 200).
Note: Credit will be granted for only one of 150, 200 or 200A and/or 200B. Not open to native speakers. Limited to 25 students per section.

CHIN 201A Units: 1.5 Hours: 3-0
Formerly: part of 201
**Aspects of Chinese Culture: I**
A survey of cultural development of the Han Chinese from earliest times to the mid-nineteenth century. Philosophy, religion, literature, technology and the arts will be the most important areas of discussion. Relevant political, economic and social background will also be introduced.
Note: Credit will be granted for only one of 201A, 201. No knowledge of Chinese language is required.

CHIN 201B Units: 1.5 Hours: 3-0
Formerly: part of 201
**Aspects of Chinese Culture: II**
A survey of Chinese culture from the mid-nineteenth century to the present. Contemporary culture patterns will be placed in traditional perspective, while relevant political, economic and social contexts will also be considered. The effects of modern events on cultural life, particularly literature, the arts, religion and education system will be emphasized.
Note: Credit will be granted for only one of 201B, 201.
Prerequisites: 201A or permission of the instructor.

CHIN 220 Units: 1.5 Hours: 3-0
Formerly: half of 410
**Elementary Mandarin For Speakers of Other Chinese Languages**
Designed to train speakers of non-Mandarin forms of Chinese (e.g. Cantonese) in the sounds of Mandarin Chinese. Students will learn the pinyin romanisation system; concentration will be on listening and speaking.
Note: Credit will be granted for only one of 220, 410. Not open to non-native speakers. Limited to 35 students per section.
Prerequisites: Knowledge of a non-Mandarin form of Chinese and permission of the instructor.

CHIN 249 Units: 3.0 Hours: 3-1
Formerly: 300
**Intermediate Modern Chinese**
A sequel to 150 or 200A/B. Primary emphasis on reading and translation of texts in modern Chinese in both standard and simplified characters. Introduction of elements of the classical language as used in modern writing. Attention also to listening, speaking and/or writing skills.
Note: Credit will be granted for only one of 249, 300. Not open to native speakers. Limited to 25 students per section.
Prerequisites: Normally a minimum final grade of B in 150 or 200A/B (or 200) or equivalent.

CHIN 261 Units: 1.5 Hours: 3-0
Also: LING 261
**Introduction to the Chinese Language and Linguistics**
A general introduction to the synchronic and diachronic descriptions of Chinese. Subjects covered may include phonology, morphology, syntax, semantics, historical changes, poetics, dialectology, orthography, the sociolinguistic and psycholinguistic aspects of Chinese, the relationship between the Chinese language, thought, culture, and the history of Chinese linguistics.
Note: Credit will be granted for only one of 261, LING 261.

CHIN 281 Units: 1.5 Hours: 3-1
Also: First half of CHIN 249
**Intermediate Modern Chinese (Short Course)**
A sequel to 150 or 200A/B. Primary emphasis on reading and translation of texts in modern Chinese in
**COURSE LISTINGS**

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 281, 249, 300. Not open to native speakers. Non-native speaking students taking a Major in Pacific and Asian Studies with a China Concentration must complete CHIN 249. This course is for other non-native speakers completing their degree requirements in December or otherwise unable to complete CHIN 249. Students will only be admitted if there is space in CHIN 249 at the first class in September and at the discretion of the instructor.

**Prerequisites:** Normally a minimum final grade of B in CHIN 150 (or 200A and 200B or equivalent).

**CHIN 304**

**Units:** 1.5  
**Hours:** 3-0

**Masterworks of Chinese Fiction**

Survey of the Chinese tradition of fiction with concentration on the great novels of the Ming and Qing, notably Outlaws of the Marsh, Journey to the West, The Story of the Stone, and The Scholars. Western and traditional Chinese views of fiction writing derived from commentaries on the great novels. All readings are in English translation; Chinese texts for most of the readings will be available.

**Prerequisites:** Second-year standing or permission of the instructor.

**CHIN 305**

**Units:** 1.5  
**Hours:** 3-0

**Modern Chinese Literature and Society 1900-1949**

After a historical overview and a criticism workshop, the course will consist of a study of selected literary texts from late Qing and Republican China. The development of modern Chinese literature will be traced from novels of 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 readings in social and political history and literary criticism. The course will be taught in English.

**Prerequisites:** Second-year standing or permission of the instructor.

**CHIN 306**

**Units:** 1.5  
**Hours:** 3-0

**The Literature of the People's Republic of China 1949 to the Present**

A study of Chinese literary texts written in a range of forms and styles during the period of communist rule and covering such important issues as the social position of women, land ownership, modernization of industry, and the treatment of intellectuals. The course will be taught in English.

**Prerequisites:** Second-year standing or permission of the instructor.

**CHIN 307**

**Units:** 1.5  
**Hours:** 3-0

**Contemporary Chinese Literature and Culture**

A thorough study of a small number of works of fiction, drama and/or film from the end of the twentieth century and the beginning of the twenty-first; or a study of one major figure and his/her creations. The course will be taught in English, with readings available in Chinese and English.

**Prerequisites:** Second-year standing or permission of the instructor.

**CHIN 310A**

**Units:** 1.5  
**Hours:** 3-0

**Classical Chinese Prose**

Introduction to the classical literary language of China; readings from such early writers as the philosopher Meng-Cius.

**Prerequisites:** Non-native speakers: 249 (or 300), or a minimum grade of A- in 150 or 200A/B (or 200). Open to native speakers without prerequisite.

**CHIN 320**

**Units:** 1.5  
**Hours:** 3-0

**Formerly: half of 410**  
**Intermediate Mandarin For Speakers of Other Chinese Languages**

A sequel to 220. This course continues instruction in the sounds of Mandarin Chinese, and adds the reading and writing of Chinese characters. Concentration will be on reading comprehension and composition skills.

**Note:** Credit will be granted for only one of 320, 410. Not open to non-native speakers.

**Prerequisites:** Minimum grade of B in 220 or permission of the instructor.

**CHIN 324**

**Units:** 1.5  
**Hours:** 3-0

**Topics in Contemporary Chinese Cinema**

Explores a range of topics in contemporary cinema from China, Hong Kong, and Taiwan. The topics, films, and directors to be covered will vary from year to year, but will include: social criticisms/commentary; gender issues; depictions of public-private space/contested space; auteurism in Chinese cinema; thematic development within a given director's opus, etc.

**Prerequisites:** Second-year standing or permission of the instructor.

**CHIN 349**

**Units:** 3.0  
**Hours:** 3-0

**Formerly: 400**  
**Advanced Readings in Modern Chinese**

A sequel to 249. Reading of materials in Modern Chinese at a more advanced level. Opportunity will be provided for practice in conversation.

**Note:** Credit will be granted for only one of 349, 400. Not open to native speakers. Limited to 25 students per section.

**Prerequisites:** Normally a minimum final grade of B in 249 (or 300) or equivalent.

**CHIN 420**

**Units:** 3.0  
**Hours:** 3-0

**Advanced Mandarin For Native Speakers of Chinese**

Intended for literate speakers of non-Mandarin forms of Chinese as well as literate speakers of Mandarin. Reading and discussion of selected Chinese literary works which will vary from year to year.

**Note:** Not open to non-native speakers. May be taken more than once in different topics to a maximum of 6 units with the permission of the Chinese Program Adviser.

**Prerequisites:** 320 or permission of the instructor.

**CHIN 461**

**Units:** 1.5  
**Hours:** 3-0

**Directed Readings in Chinese Linguistics**

This is an advanced course taught in Mandarin Chinese. It is intended for students who are prepared to read and discuss extensively in Mandarin. The student will learn aspects about the Chinese language within the general framework of modern linguistics. Topics covered may include Mandarin sound system, pinyin Romanization, writing system, word structures, sentence structures, dialect research, national minority languages and language planning in the People's Republic of China.

**Note:** Open to native speakers of Chinese.

**Prerequisites:** Minimum grade of B in 349.

**CHIN 480**

**Units:** 1.5 or 3  
**Directed Readings in Chinese**

This course is designed for advanced students prepared to read extensively in Chinese. Readings will be assigned by the instructor in consultation with participating students.

**Note:** Not open to native speakers of Chinese. May be taken more than once with permission of the instructor and the Chinese Program Adviser.

**Prerequisites:** A minimum grade of A- in CHIN 349 (or 400) for non-native speakers or equivalent level of language competency.

**CHIN 481**

**Units:** 1.5 or 3  
**Special Topics**

Offered either as a reading course, a tutorial or a seminar in Chinese language, literature or culture, for advanced students. Consult appropriate members of the Department about topics and requirements.

**Note:** May be taken more than once on different topics to a maximum of 3 units with permission of the instructor and the Chinese Program Adviser.

**Prerequisites:** A minimum grade of A- in CHIN 349 (or 400) for non-native speakers, or a minimum grade of A- in 420 (for native speakers), or equivalent level of language competency.

**CHIN 490**

**Units:** 1.5 or 3  
**Directed Studies**

This course will normally involve readings and a research project in a particular area of Chinese Studies in which the student is qualified. The individual program of studies will be supervised by an appropriate faculty member.

**Note:** May be taken more than once for credit in different topics to a maximum of 6 units.

**COM**

**Commerce**

**Faculty of Business**

Courses offered by the Faculty of Business are also found under the following course codes: ENT (Entrepreneurship), HOS (Hospitality), HSM (Hospitality Service Management), IB (International Business), MBA (Master's of Business Administration).

**COM 100**

**Units:** 1.5  
**Hours:** 3-0

**Introduction to Business Decision Making**

Overview course designed to introduce fundamentals of business in Canada. Topics covered will include business principles such as accounting, finance and marketing as well as to discuss the political and social realities facing commercial ventures in Canada.

**Note:** Credit will be granted for only one of 100, 290, 390.

**COM 205**

**Units:** 0  
**Hours:** 1-2

**Career Skills and Management**

This course is designed to ensure all Commerce students develop foundation, communication, personal and professional skills. The foundation skills include those necessary to complete the program of studies in the Faculty of Business. Other topics will include presentations, public speaking, teamwork, time management, networking, business etiquette and community involvement. Students also develop methods to help establish a career mission. This is a non-credit but mandatory course for all Bachelor of Commerce students.

**Note:** International BCom students, pre-admitted students and BCom students only.

**Grading:** INF, COM, N, F

**COM 206A**

**Units:** 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.
COM 206B  Units: 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 in written communication and increasing vocabulary.

Note: Open only to International students and participating incoming Faculty of Business exchange program and International students in the Bachelor of Commerce program; enrollment is based on comprehension level as determined by the instructor.

COM 206C  Units: 1.5  
Business English and Communications - Level III  
Development and enhancement of skills in written business communication, oral business communication, and non-verbal communication. Students will learn how to develop efficient use of verbal and non-verbal skills in business situations; be able to use language to convey specific messages to intended audiences; develop and use techniques for information management. Concentration is on pronunciation, building vocabulary and comprehension of complex literature.

Note: Open only to International students and participating incoming Faculty of Business exchange program and International students in the Bachelor of Commerce program; enrollment is based on comprehension level as determined by the instructor.

COM 220  Units: 1.5  Hours: 3-0  
Formerly: 120  
Organizational Behaviour  
Introduction to behavioural concepts and tools that will assist the manager in both understanding behaviour in organizations and improving organizational effectiveness. Topics include individual motivation, perception and communication, managerial roles, schools of management theories, group processes and team work, leadership, supervision, and introduction to organizational structure, processes, and culture.

Notes: - Credit will be granted for only one of 220, 120, PSYC 334, PSYC 334A, SOCI 323, SOCI 324. Not available for supplemental.
- Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program.
Prerequisites: Second-year standing.

COM 240  Units: 1.5  Hours: 3-0  
Management Finance  
This course serves as an introduction to corporate financial management. The primary objective is to provide a framework, concepts, and tools for analyzing financial decisions. Main topics include discounted cash flow techniques, financial statement analysis, capital budgeting, valuation of stocks and bonds, tax environments, risk and return tradeoffs, diversification, capital market efficiency, and an introduction to international finance issues.

Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. 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-admitted students in the BCom program.

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 management 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,

COM 320  Units: 1.5  Hours: 3-0  
Management of Employment Relations  
This course examines issues faced by managers when recruiting, hiring, training, appraising and compensating employees, along with the techniques required to perform these human resource functions. Particular attention will also be given to how human rights legislation and labour unions affect the management of human resources.
Prerequisites: Restricted to students admitted to the BCom Program.

COM 331  Units: 1.5  Hours: 3-0  
Introduction to Management Information Systems  
The use of computer-based information systems in achieving the information objectives of the organization. Fundamentals of hardware, software, networks, electronic commerce and business applications. Focus is on the responsible use of information systems and technology to support business strategy, operations and decision making. Includes use of, but does not include instruction in, computer-based productivity tools.
Prerequisites: Restricted to students admitted to the BCom Program.

COM 341  Units: 1.5  Hours: 3-0  
Operations Management  
Introduction to both the broad strategic and tactical decisions of operations management. Topics covered include project planning/management, process choice, process flow analysis, location and layout of facilities, capacity and resource planning, job design, inventory control, scheduling, supply chain management, quality management and quality control. The link between operations management and other functional areas of business are evaluated.
Prerequisites: Restricted to students admitted to the BCom Program.

COM 351  Units: 1.5  Hours: 3-0  
Marketing Principles and Management  
Students will learn and apply basic marketing theory, concepts, and tools to make and defend key marketing decisions relating to: market segmentation, positioning, product development and management, pricing, distribution management, and marketing communications. Emphasis will be placed on both the fundamental principles of marketing and their application in a variety of industry and international contexts.
Prerequisites: Restricted to students admitted to the BCom Program.

COM 361  Units: 1.5  Hours: 3-0  
International Business  
This course focuses on key aspects of doing business globally, including: the forces of globalization; how business conditions and practices differ from country to country; free trade and protectionism; exporting, licensing, and foreign direct investment;
exchange rates and the complications that arise when dealing with multiple currencies; and strategic and organizational issues for firms operating in international markets.

Prerequisites: Restricted to students admitted to the BCom Program.

**COM 362**  Units: 1.5  Hours: 3-0
**Decision Making for Responsible and Sustainable Global Business**
Managers face new demands from the complex, rapidly changing business environment. With the important relationship between business and society, managers must be prepared to deal innovatively and effectively with the changing global business environment's challenges. Using various media and methods, the course explores how business and societies interact; the interactions' social, economic, political, technological, ethical and ecological dimensions; and the role of innovation and rational and creative decision making in dealing with these managerial and organizational challenges.

**Note:** Credit will be given for either 362 or (305 and 361, if 361 was taken prior to the 2006 Winter Session).

Prerequisites: Restricted to students admitted to the BCom Program.

**COM 371**  Units: 1.5  Hours: 3-0
**Management Finance**
This course serves as an introduction to corporate financial management. The primary objective is to provide a framework, concepts, and tools for analyzing financial decisions. Main topics include discounted cash flow techniques, the valuation of financial assets, financial statement analysis, capital budgeting decisions, risk and return trade-offs, 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 390, 290.

Open only to incoming Faculty of Business Exchange students, or with permission of the Manager, International Programs.

**COM 400**  Units: 1.5  Hours: 3-0
**Strategic Management**
A series of integrative management case studies to illustrate the application and integration of management functions. The focus will be on organizational strategy and strategic management including the process of choosing and defining goals, formulating and implementing strategies, and monitoring strategic performance. Normally students are required to take this course in their final academic term.

Prerequisites: All third year commerce core.

**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: 230 or 331 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 and 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.

**COM 425**  Units: 1.5  Hours: 3-0
**Taxation for Managers**
Taxation has a major influence on business decisions. Often the form of organization, the expansion process, the raising of capital or the methods of acquiring and selling a business are influenced by alternative tax treatments. This course first reviews the fundamentals of the income tax system for all taxpayers. 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 350 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 440, 410.

Prerequisites: 220 or 321 and fourth-year standing or permission of Program Director.

**COM 445**  Units: 1.5  Hours: 3-0
**Corporate Finance**
This course serves as a continuation of the introductory finance course to more advanced applications of the techniques, concepts, and tools of corporate finance. Main topics include short- and long-term financial management, cost of capital, capital structure, financial leverage, dividends policy, working capital management, leasing, mergers and acquisitions, and the use of derivatives for risk management.

Prerequisites: 240 or 371 and fourth-year standing or permission of the Program Director.

**COM 450**  Units: 1.5  Hours: 3-0
**Selected Topics in Management**
The course content will reflect the interests of the faculty members and current issues in business and industry. Topics may include non-traditional forms of work organizations, leadership, organizational development, and 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 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 extensive foreign language training.

**Note:** May be taken more than once to a maximum of 4.5 units with the permission of the BCom Program Director.

Prerequisites: Participation in International Exchange Program.
### Canadian Studies

**Programs in Canadian Studies.** Credit is given to students in the Diploma and Certificate Programs in Canadian Studies. **History of Canada** and **Introduction to the Place: the Geography and Women’s Issues**. **Note:** Credit will be given for only one of 101, 100B. A required course for the Diploma/Certificate programs in Canadian Studies for International Students. **Prerequisites:** is given to students in the Diploma and Certificate Programs in Canadian Studies.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Hours</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 001</td>
<td>Introduction to the Place: the Geography and History of Canada</td>
<td>0</td>
<td>0</td>
<td>This non-credit course must be taken by all students in the Program prior to 100A and 100B. <strong>Grading:</strong> COM/INC</td>
</tr>
<tr>
<td>CS 101</td>
<td>Introduction to Canadian Culture</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be given for only one of 101, 100A. A required course for the Diploma/Certificate programs in Canadian Studies for International Students. <strong>Prerequisite:</strong> is given to students in the Diploma and Certificate Programs in Canadian Studies. <strong>Grading:</strong> COM/INC</td>
</tr>
<tr>
<td>CS 102</td>
<td>Introduction to Canadian Contemporary Issues</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Formerly:</strong> CS 100B</td>
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### Computer Science

**Computer Science Department of Computer Science**

**Faculty of Engineering**

COURSES OFFERED BY THE FACULTY OF ENGINEERING ARE ALSO FOUND UNDER THE FOLLOWING COURSE CODES: CENG (Computer Engineering), ELEC (Electrical Engineering), ENGR (Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CSC 100</td>
<td>Elementary Computing</td>
<td>1.5</td>
<td>2-2</td>
<td>- 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. <strong>Notes:</strong> - 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 Com puter Studies 11. - This course is designed for a general university audience; students intending to major in Computer Science should enroll in 110 rather than 100. <strong>Prerequisites:</strong> Mathematics 11.</td>
<td><strong>Grading:</strong> INP N. F. or letter grade</td>
</tr>
<tr>
<td>CSC 105</td>
<td>Computers and Information Processing</td>
<td>1.5</td>
<td>2-2</td>
<td>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 hands-on experience with microcomputers and software packages for business applications. <strong>Notes:</strong> - 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. <strong>Prerequisites:</strong> Mathematics 12.</td>
<td><strong>Grading:</strong> INP N. F. or letter grade</td>
</tr>
<tr>
<td>CSC 110</td>
<td>Fundamentals of Programming: I</td>
<td>1.5</td>
<td>3-1</td>
<td>Introduction to design, implementing, and understanding computer programs using an imperative programming language. Topics include overview of computers and software, introduction to computing and problem solving, fundamental elements of object-oriented programming, top-down design and incremental development. <strong>Prerequisites:</strong> Mathematics 12.</td>
<td><strong>Grading:</strong> INP N. F. or letter grade</td>
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<tr>
<td>CSC 115</td>
<td>Fundamentals of Programming: II</td>
<td>1.5</td>
<td>3-1.5</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of 115 and 160. <strong>Prerequisites:</strong> 110.</td>
<td><strong>Grading:</strong> INP N. F. or letter grade</td>
</tr>
<tr>
<td>CSC 212</td>
<td>Introduction to Computer Science</td>
<td>1.5</td>
<td>3-1</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of 212, 112. <strong>Prerequisites:</strong> 110.</td>
<td><strong>Grading:</strong> INP N. F. or letter grade</td>
</tr>
<tr>
<td>CSC 225</td>
<td>Algorithms and Data Structures: I</td>
<td>1.5</td>
<td>3-1</td>
<td>An introduction to algorithm design and analysis. Random access machine model. Time and space complexity, average and worst case analysis, upper and lower bounds. Application of correctness proof techniques: Algorithms: internal searching, merging, sorting, selection, hashing; graphs: traversals, topological sort, transitive closure, strongly connected components, shortest path, minimum spanning tree. The existence of intractable problems, heuristics. Data structures: B-trees, heaps and graphs. <strong>Prerequisites:</strong> 115 or 160, and MATH 122 or 224 or CENG 245.</td>
<td><strong>Grading:</strong> INP N. F. or letter grade</td>
</tr>
<tr>
<td>CSC 230</td>
<td>Introduction to Computer Architecture</td>
<td>1.5</td>
<td>3-1.5</td>
<td>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. <strong>Also:</strong> CENG 255</td>
<td><strong>Grading:</strong> INP N. F. or letter grade</td>
</tr>
<tr>
<td>Course Code</td>
<td>Type</td>
<td>Title</td>
<td>Units</td>
<td>Hours</td>
<td>Prerequisites</td>
</tr>
<tr>
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</tr>
<tr>
<td>CSC 340</td>
<td>Units: 1.5</td>
<td>Numerical Analysis I</td>
<td>Hours: 3-0</td>
<td></td>
<td>115 or 160, and MATH 133 or 233A; and MATH 201 or 202 or ELEC 255.</td>
</tr>
<tr>
<td>CSC 349A</td>
<td>Units: 1.5</td>
<td>Introduction to Systems Analysis</td>
<td>Hours: 3-0</td>
<td></td>
<td>115 or 160, and MATH 200, 201, and 233A or 133.</td>
</tr>
<tr>
<td>CSC 350</td>
<td>Units: 1.5</td>
<td>Computer Architecture</td>
<td>Hours: 3-0</td>
<td></td>
<td>115 or 160, and MATH 122, 224, CENG 245, PHIL 203, or 344A.</td>
</tr>
<tr>
<td>CSC 360</td>
<td>Units: 1.5</td>
<td>Introduction to Operating Systems</td>
<td>Hours: 3-0</td>
<td></td>
<td>230 and MATH 122 or 224.</td>
</tr>
<tr>
<td>CSC 370</td>
<td>Units: 1.5</td>
<td>Database Systems</td>
<td>Hours: 3-0</td>
<td></td>
<td>Formerly: 470</td>
</tr>
<tr>
<td>CSC 390</td>
<td>Units: 5.0</td>
<td>Introduction to Artificial Intelligence</td>
<td>Hours: 3-0</td>
<td></td>
<td>115 or 160, and MATH 133 or 233A, and 3 units of 300-level CSC or SENG</td>
</tr>
<tr>
<td>CSC 395</td>
<td>Units: 1.5</td>
<td>System Analysis</td>
<td>Hours: 3-0</td>
<td></td>
<td>225, 230, and 265 or SENG 265.</td>
</tr>
<tr>
<td>CSC 405</td>
<td>Units: 1.5</td>
<td>Computer Graphics</td>
<td>Hours: 3-0</td>
<td></td>
<td>Permission of the Chair is required. This course can be taken twice.</td>
</tr>
<tr>
<td>CSC 421</td>
<td>Units: 1.5</td>
<td>Analysis of Algorithms</td>
<td>Hours: 3-0</td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

**Note:** Credit will be granted for only one of 340, 349A or equivalent.
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 crytography. 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, Diffie-Hellman and other public key systems, signature schemes; introduction to security protocols.

Prerequisites: 320.

CSC 435 Units: 1.5 Hours: 3-1

Compiler Construction
Compilation, including: lexical analysis, syntax analysis, semantic analysis, code optimization, and simple code generation. Students will implement a compiler for a simple language.

Prerequisites: 225, 320 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 450 Units: 1.5 Hours: 3-3

Computer Communications and Networks
An introduction to concepts in computer communications and networks. Topics will include layered network architectures, packet switching networks, local area networks, protocol design and verification, network security, and applications in distributed computing.

Note: Credit will be granted for only one of 450, CENG 460.

Prerequisites: 250 or 355, and 360.

CSC 454 Units: 1.5 Hours: 3-0

Fault Tolerant Computing
An introduction to selected issues in fault tolerant computing. Topics include: definitions of reliability, availability, safety, maintainability, testability and dependability; system protection through both hardware and information redundancy; quantitative methods for the evaluation of reliability; the design and test of integrated circuits; software fault tolerance and software testing. The course includes a number of case studies of practical fault tolerant systems.

Prerequisites: 250 or 355, and 360.

CSC 460 Units: 1.5 Hours: 3-0

Design and Analysis of Real-time Systems
Fundamental issues in the design of real-time operating systems and application software. Typical topics include: hard real-time scheduling, interrupt driven systems, process communication and synchronization, language requirements for real-time systems, decomposition of real-time requirements into process models, and case studies. A project involving design, implementation and testing of a real-time executive and real-time application software will also be included.

Prerequisites: 355, 360, and either SENG 321 or 365.

CSC 461 Units: 1.5 Hours: 3-3

Multimedia Systems
Introduction to multimedia systems and applications. Topics include multimedia system design issues, representation, processing and retrieval of temporal and non-temporal media types, data compression techniques, multimedia system architecture, operating systems, networking, quality of service and database system issues, object-oriented multimedia programming, user interface, virtual worlds. Completion of a minor lab project is required.

Prerequisites: 360 and either 450 or CENG 460.

CSC 462 Units: 1.5 Hours: 3-3

Distributed Computing

Prerequisites: 360 and a minimum grade of B in 450 or CENG 460.

CSC 464 Units: 1.5 Hours: 3-0

Concurrency
Introduction to the foundations of concurrency theory and the issues of specification and verification of concurrent systems. Topics will include models of concurrency such as Petri nets, labelled transition systems, and traces; specification of concurrent systems/programs in formalisms including process algebras, statecharts, Petri nets and temporal logics; verification techniques such as bisimulation and model checking. Case studies will be taken from coordination problems, controller design, communication protocols, hardware and user interface design.

Prerequisites: 320 and 360.

CSC 482 Units: 1.5 Hours: 3-0

Topics in Algorithms
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 482A, 482B, 482C, 482D. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 483 Units: 1.5 Hours: 3-0

Topics in Programming Methodology
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 483A, 483B, 483C, 483D. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 484 Units: 1.5 Hours: 3-0

Topics in Scientific Computing
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 484A, 484B, 484C, 484D. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 485 Units: 1.5 Hours: 3-0

Topics in Systems
The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 485A, 485B, 485C, 485D, 485E, 485F, 485G, 485H. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 490 Units: 1.5 or 3 Hours: 3-0

Directed Studies
Note: Students must consult the Department before registering. This course may be taken more than once in different topics with permission of the Chair of the Department.

CSC 498 Units: 1.5 Hours: 0-6

Bioinformatics Project
Research under the direction of a faculty member. The student is required to pursue a project, prepare a written report and to present a seminar describing the work.

Prerequisites: Fourth-year standing in the Bioinformatics Option.

CSC 499 Units: 1.5 Hours: 0-6

Technical Project
Research under the direction of a faculty member. The student is required to pursue an independent project, to prepare a written report and to present a seminar describing the work.
### CW Creative Writing (En’owkin Centre)
Certificate Program in Foundations in Indigenous Fine Arts
Faculty of Fine Arts

**CW (E) courses are offered only through the En’owkin Certificate Program in Indigenous Fine Arts.**

<table>
<thead>
<tr>
<th>CW 150E</th>
<th>Units: 1.5</th>
<th>Writing For Children from a First Nations’ Perspective</th>
</tr>
</thead>
<tbody>
<tr>
<td>CW 155E</td>
<td>Units: 1.5</td>
<td>Critical Process and World View</td>
</tr>
<tr>
<td>CW 156E</td>
<td>Units: 1.5</td>
<td>Critical Process, Symbolism and Oral Tradition</td>
</tr>
<tr>
<td>CW 160E</td>
<td>Units: 1.5</td>
<td>First Nations’ Non-fiction</td>
</tr>
<tr>
<td>CW 212E</td>
<td>Units: 1.5</td>
<td>Structure in Cinema and Television Drama</td>
</tr>
</tbody>
</table>

### CYC Child and Youth Care
School of Child and Youth Care
Faculty of Human and Social Development

<table>
<thead>
<tr>
<th>CYC 200</th>
<th>Units: 3.0</th>
<th>Hours: 3-0</th>
<th>Introduction to Professional Child and Youth Care Practice</th>
</tr>
</thead>
</table>

This course invites students into historical and contemporary conversations about the professional field of child and youth care and its diverse practices and contexts. The course introduces students to strength-based practice, inclusiveness, caring in context, normative development, and critical reflection. Emphasis will be given to socially locating oneself, building relationships, processes of change, enhancing ethical discernment, promoting cultural competencies and a commitment to social justice, cultivating a professional orientation, and understanding theory in everyday practice.

Note: Credit will not be given for 200 and 200A, 200B, 201.

<table>
<thead>
<tr>
<th>CYC 252</th>
<th>Units: 3.0</th>
<th>Hours: 3-0</th>
<th>Fundamentals of Change in Child and Youth Care Practice</th>
</tr>
</thead>
</table>

This course focuses on facilitating purposeful change in the lives of children and youths involved in a broad spectrum of group care and community based settings. The students explore the use of communication skills, helping strategies, and the development of therapeutic relationships in relation to the development of self and core elements of child and youth care practice.

<table>
<thead>
<tr>
<th>CYC 260</th>
<th>Units: 0.5, 1.0, 1.5 or 3.0</th>
<th>Hours: 3-0</th>
<th>Special Topics in Child and Youth Care</th>
</tr>
</thead>
</table>

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 290  | Units: 0.5, 1.0, 1.5 or 3.0 | Directed Studies in Child and Youth Care |

This course allows for research projects, additional course work or directed readings in a specified area.

<table>
<thead>
<tr>
<th>CYC 301</th>
<th>Units: 3.0</th>
<th>Hours: 3-0</th>
<th>Processes of Change</th>
</tr>
</thead>
</table>

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.

<table>
<thead>
<tr>
<th>CYC 310</th>
<th>Units: 4.5</th>
<th>Hours: 1-10</th>
<th>Supervised Practicum</th>
</tr>
</thead>
</table>

Students work directly with children/youth in a supervised practice situation in order to promote professional skill acquisition and integration. Emphasis is placed on observation and recording skills, understanding the structure and functioning of a service agency, and fostering the student’s awareness of his or her functioning in relation to children, youth and agency workers. Attention is also given to developing beginning level case planning, intervention, and case presentation skills with both a one-to-one and a group focus. Students are required to complete 286 hours.

Note: Restricted to Child and Youth Care students.

Pre- or corequisites: CYC 301 and CYC 338

<table>
<thead>
<tr>
<th>CYC 310A</th>
<th>Units: 4.5</th>
<th>Child and Youth Care Practicum by Prior Learning Assessment (PLA)</th>
</tr>
</thead>
</table>

Students with significant child and youth care practice experience in Child and Youth Care may complete the first CYC practicum by Prior Learning Assessment. Students will present evidence of their prior learning and practice experience in the form of a portfolio which specifically demonstrates the learning objectives and outcomes required in CYC 310.

Note: Restricted to Child and Youth Care students.

Prerequisites: Permission of the Practica Coordinator.

<table>
<thead>
<tr>
<th>CYC 338</th>
<th>Units: 3.0</th>
<th>Hours: 3-0</th>
<th>Applying Developmental Theory in Child and Youth Care Practice</th>
</tr>
</thead>
</table>

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.

<table>
<thead>
<tr>
<th>CYC 340</th>
<th>Units: 1.5</th>
<th>Hours: 3-0</th>
<th>Ethical Decision-Making in the Human Services</th>
</tr>
</thead>
</table>

This course provides an historical basis for ethics, an overview of ethics research and current professional perspectives on the application of ethics in Child and Youth Care practice. The expectation is that by the end of the course learners will develop their own ethical decision-making framework and apply it in their current practice. The course is taught using experiential learning strategies in order to ensure an understanding of personal approaches to ethical choice making and a personal commitment to ethical practice.

Note: This course is also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

<table>
<thead>
<tr>
<th>CYC 350A</th>
<th>Units: 1.5</th>
<th>Hours: 3-0</th>
<th>Child and Youth Care and Legal Contexts</th>
</tr>
</thead>
</table>

This course provides child and youth care students with an understanding of theoretical, historical and social foundations that the law is founded and acted upon. Students explore current law discourse, case studies, social commentaries, class discussions and guest speakers in the context of their own locations, privilege and power, diversity and implications for practice in the field of child welfare.

Note: Credit will be granted for only one of 350A, SOCW 350A.

Prerequisites: Third-year standing or permission of the instructor.

<table>
<thead>
<tr>
<th>CYC 350B</th>
<th>Units: 1.5</th>
<th>Hours: 3-0</th>
<th>Child and Youth Care Practice and Legal Contexts</th>
</tr>
</thead>
</table>

This course will provide an opportunity to put into practice the theoretical and legal foundation gained from the prerequisite course CYC 350A. 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.

Prerequisites: 350A or SOCW 350A and third-year standing, or permission of the instructor.

<table>
<thead>
<tr>
<th>CYC 360</th>
<th>Units: 0.5, 1.0, 1.5 or 3.0</th>
<th>Hours: 3-0</th>
<th>Special Topics in Child and Youth Care</th>
</tr>
</thead>
</table>

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.
Prerequisites: Second-year standing, college diploma or permission of the instructor.

Cyc 365 Units: 1.5 Hours: 3-0
Theory and Practice of the UN Convention on the Rights of the Child
Participants in this course will increase their knowledge, skills, and self-awareness on the theory and application of the UN Convention on the Rights of the Child. Students use a “hands on” approach to understand and apply the Convention. Students learn about the Convention in its relation to the Canadian Human Rights Framework, understand the role of international agencies, national, provincial, municipal, and treaty bodies in implementing the convention, and synthesize and apply this understanding through practice with children, families, cultures, and communities. A case study approach is used to critically examine the impact of this document across a range of program settings for children and families.
Note: This course is also available for professional development.
Prerequisites: Second-year standing, college diploma or permission of the instructor.

Cyc 366A Units: 1.5 Hours: 3-0
Formerly: part of 366
Lifespan Development (Conception to Late Childhood)
The objectives of this course are to introduce students to concepts and models of how human behaviour is acquired, maintained, and modified. The course focuses on human development from conception to late childhood as a knowledge base for practice with children, youth, and families.
Note: Credit will be granted for only one of 366A, 366.
Prerequisites: Second-year standing or completed college diploma.

Cyc 366B Units: 1.5 Hours: 3-0
Formerly: part of 366
Lifespan Development (Adolescence to Late Adulthood)
The objectives of this course are to introduce students to concepts and models of how human behaviour is acquired, maintained, and modified. The course focuses on human development from adolescence to late adulthood as a knowledge base for practice with children, youth, and families.
Note: Credit will be granted for only one of 368B, 366.
Prerequisites: Second-year standing or completed college diploma.

Cyc 371 Units: 1.5 Hours: 3-0
Building Caring Partnerships
This course is designed to provide students with the knowledge and skills necessary to work with families, particularly families with children who have been identified as “at risk.” Building on their awareness of cultural diversity, students will utilize and integrate their knowledge of self, communication skills, ecological perspective, and development theory in order to strengthen their abilities to establish and maintain partnerships with families.

Cyc 373 Units: 1.5 Hours: 3-0
Working with Families and their Communities
This course examines the interactions between families with infants and toddlers, the practitioners who work with them, and the community in which they all live. The course is fundamentally concerned with the healthy development of infants and toddlers, especially those perceived to be “at risk,” and it concentrates on the roles of practitioners in promoting community support networks that will help create healthy family-community interactions.
Note: This course is also available for professional development.
Prerequisites: Second-year standing, college diploma or permission of the instructor.

Cyc 374 Units: 1.5 Hours: 3-0
Promoting Positive Outcomes in Children’s Environments
This course, designed for all practitioners who work with young children, explores the relationships between risks, opportunities, and change in their environments. The key premise of the course is the belief that practitioners can respond to situations of risk and promote positive outcomes for young children and their families by supporting healthy development and applying knowledge ethically and skillfully within the children’s environmental contexts.
Note: This course is also available for professional development.
Prerequisites: Second-year standing, college diploma or permission of the instructor.

Cyc 390 Units: 0.5, 1.0, 1.5 or 3.0
Directed Studies in Child and Youth Care
Research projects, directed readings, or additional course work in a specified area.
Note: May be taken more than once for credit in different topics.

Cyc 410 Units: 4.5 Hours: 1-10
Advanced Supervised Practicum
This supervised practicum focuses on the student’s chosen professional area of interest and provides an opportunity to apply case planning, intervention, and evaluation skills at an advanced level. Professional consultation, clinical functioning, and the integration of theory and practice are emphasized. Students are required to complete 286 hours.
Note: Restricted to Child and Youth Care students in their fourth year of study.
Prerequisites: 301, 310 and 338.
Corequisites: 465 and 466.

Cyc 410A Units: 4.5 Hours: 1-10
Advanced Supervised Block Practicum
This is a condensed 4-month practicum where students are required to complete 286 hours during this time. Some practices are block practicums only, such as Child Life and Child Protection. Check with a practicum coordinator for more information.
Note: Restricted to Child and Youth Care students in their fourth year of study.
Prerequisites: 301, 310, 338, 465, 466.
Corequisites: 474 and 475 or 476.

Cyc 423 Units: 1.5 Hours: 3-0
Research Methods in Child and Youth Care
This course introduces students to ways in which knowledge in the child and youth care field is developed. Within an applied research practitioner context, students will be introduced to the knowledge and skills necessary to locate, understand, and utilize research relating to child and youth care. Students will examine basic issues, designs, and methodologies within quantitative and qualitative research models and will apply this knowledge to write a research plan.
Prerequisites: Third-year standing.

Cyc 424 Units: 1.5 Hours: 3-0
Applied Qualitative and Quantitative Research Methods for Human Services Professionals
This course provides students with a grounding in the techniques commonly used in the analysis of both quantitative and qualitative data. Students will engage in the process of qualitative analysis through examining qualitative data, data coding and thematic construction. A range of descriptive and inferential statistical approaches to quantitative analysis are examined using a computer-based system.
Note: Credit will be given for only one of 424, HSD 425.
Prerequisites: Cyc 423 or equivalent.

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 and family care.
Note: With approval of a faculty adviser, may be taken more than once for credit.

Cyc 461 Units: 1.5 Hours: 3-0
Child Life
This course offers a foundation to child life practice in hospitals and community health care settings. An emphasis is placed on examining professional issues concerning child life specialists, the application of various conceptual frameworks, and theoretical perspectives to clinical practice within a multidisciplinary model in both hospital and community contexts.
Prerequisites: Fourth-year standing or permission of the instructor.

Cyc 465 Units: 1.5 Hours: 3-0
Applied Theories of Child and Youth Care Practice with Groups
This course presents conceptual frameworks and models for understanding family functioning and parenting. The students identify child and youth care service settings in which family work occurs. The course focuses on family assessment methodologies and interventions which are appropriate to Child and Youth Care Workers in these settings.
Prerequisites: Students admitted to the degree program from Sept. 2000 onwards must complete a Sociology of the Family course or Cyc 371.

Cyc 474 Units: 1.5 Hours: 3-0
Child and Youth Care Practice with Individuals
This course focuses on the development of advanced skills in working with individual children and youth. Students are required to apply behavioural change theories in a laboratory environment and produce professional quality documentation of their work. Feedback on students’ application of interventions in child and youth care practice is provided in each class and through video-taped assignments.
Prerequisites: 465 and 466.

CYCB 110 Units: 1.5 Hours: 1.5-11
Practicum I: Community Care Settings For Children and Youth
This course provides students with opportunities to engage with children and families. Students will focus on observing and interacting with children and their families in community settings. Students will develop an understanding of the roles and responsibilities of professionals working with children and families.
Prerequisites: 465 and 466.

CYCB 111 Units: 1.5 Hours: 1.5-11
Practicum II: The Whole Child
This course provides students with opportunities to work with children and families in a variety of settings. Students will gain knowledge of the roles and responsibilities of professionals working with children and families.
Prerequisites: 465 and 466.

CYCB 120 Units: 1.5 Hours: 4-0
Introduction to Play (ECCE)
This course introduces students to the concepts of play and its importance in early childhood development. Students will learn about the development of play and the role of educators in supporting children's play.
Prerequisites: 111.

CYCB 121 Units: 1.5 Hours: 4-0
Foundations of Curriculum Planning (ECCE)
This course provides students with an introduction to the principles of curriculum planning. Students will learn about the development of curriculum and the role of educators in planning for children's learning.
Prerequisites: 120.

CYCB 122 Units: 1.5 Hours: 4-0
Curriculum Design and Implementation (ECCE)
This course provides students with an introduction to curriculum design and implementation. Students will learn about the development of curriculum and the role of educators in planning for children's learning.
Prerequisites: 120 and 121.

CYCB 123 Units: 1.5 Hours: 4-0
The Caring and Learning Environment (ECCE)
This course provides students with an introduction to the role of educators in creating a caring and learning environment. Students will learn about the development of environments that support children's learning and development.
Prerequisites: 122.

CYCB 140 Units: 1.5 Hours: 4-0
Introduction to Human Behaviour
This course provides students with an overview of the principles of human behaviour and its development. Students will learn about the development of human behaviour and its role in early childhood education.
Prerequisites: 111.

CYCB 210 Units: 1.5-6.0 Hours: 4-0
Practicum with Developmental Specialization
This course provides students with opportunities to work with children and families in a variety of settings. Students will gain knowledge of the roles and responsibilities of professionals working with children and families.
Prerequisites: 465 and 466.
contacts will also be an essential part of the practicum.

**CYCB 211**  
Units: 1.5  
Hours: 4-0  
**Practicum in Supported Child Care for Children with Special Needs**  
This practicum focuses on meeting the specific needs of a child or children in the context of culture, community and family. Students may choose options such as creating inclusive curriculum, working through the steps of developing support plans in consultation with team members, or implementing aspects of existing support plans. Students will be required to investigate and work with local resources, including professionals who provide specialized support, which are culturally appropriate and enhancing.

**Note:** Elective.

**CYCB 220**  
Units: 1.5  
Hours: 4-0  
**Introduction to School-Age Care (CYC)**  
This course provides students with an overview of school-age care. Students explore the needs and interests of children, families, and care providers regarding school-age care. They explore the developmental needs of school-age children, and consider the implications of children’s developmental needs for school-age practice. In addition, students are introduced to planning and implementing a program of care for diverse groups of school-age children. The course acknowledges and builds on the knowledge that students already possess, and includes activities intended to elicit students’ perspectives based on their own experience. Throughout the course Elders and students generate insights into the care of school-age children from their own community and culture.

**Note:** Elective.

**CYCB 221**  
Units: 1.5  
Hours: 4-0  
**Introduction to Programs For Adolescents (CYC)**  
This course provides students with an overview of adolescent developmental 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 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 educational and contextual supports, including the family. Students will examine the principles of inclusive child care within the current policy and statutory environment. Students will locate resources within the context of rural practice and critically examine the principle of cultural responsiveness in inclusive child care.

**Note:** Elective.

**CYCB 250**  
Units: 1.5  
Hours: 4-0  
**Introduction to Planned Change**  
This course introduces students to the components of helping relationships and models of helping used by professional child and youth care practitioners and provides opportunities to understand planned interventions within historical First Nations contexts. Students will explore the interpersonal dimensions of child and youth care practice in relation to supporting children, youth and families. Throughout the course Elders and students will generate insights into professional helping skills from the perspectives of their First Nations culture(s).

**CYCB 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 re: communication skills for professional helpers will be elicited from Elders and students.

**CYCB 260**  
Units: 0.5, 1.0, 1.5 or 3 Hours: 3-0  
**Special Topics in Child and Youth Care**  
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.
### COURSE LISTINGS

**ECON 204**  
Units: 1.5  
Hours: 3-1  
Formerly: 303  
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 or 201, and 104 or 202; MATH 140.

**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.  
Prerequisites: 103 or 201, or equivalent.

**ECON 225**  
Units: 1.5  
Hours: 3-0  
Writing for Economists  
This course includes extensive practice in written technical and non-technical composition. Basic grammar will be reviewed, including sentence syntax, punctuation, and paragraph construction. Students will be exposed to the correct style for the various documents they are likely to encounter.  
Note: A comprehension and writing test will be given in the first seven calendar days of the course. Students failing the test will be de-registered from ECON 225 and directed to enroll in a remedial non-credit English course.  
Prerequisites: 103 and 104, and 245 or equivalent; 1.5 units of first year English.

**ECON 245**  
Units: 1.5  
Hours: 3-1  
Formerly: 240  
Descriptive Statistics and Probability  
Note: Credit will be granted for only one of 245, 240.  
See Credit Limit, page 32.  
Pre- or corequisites: Prerequisites: 100, or corequisite: 103 or 104 or 201 or 302. Prerequisite: MATH 100 or 102; CSC 105 or 110; or permission of the Department.  
Prerequisites: 103 and 104, and 245 or equivalent; 1.5 units of first year English.

**ECON 250**  
Units: 1.5  
Hours: 3-1  
Formerly: 350  
Mathematical Economics I: An Introduction to Static Methods  
An introduction to the application of calculus and linear algebra to selected problems in microeconomic and macroeconomic theory.  
Note: Credit will be granted for only one of 250, 350.  
Prerequisites: 103 or 201, and 104 or 202; MATH 140.

**ECON 251**  
Units: 1.5  
Hours: 3-0  
Formerly: 351  
Mathematical Economics II: An Introduction to Dynamic Methods  
Difference equations, differential equations, and dynamic optimization with applications to economics.  
Note: Credit will be granted for only one of 251, 351.  
Prerequisites: 250.

**ECON 305**  
Units: 1.5  
Hours: 3-0  
Money and Banking  
The principles of money, credit creation and banking; organization, operation and control of the banking system; and the relationship between the quantity of money and the level of economic activity.  
Prerequisites: 103 or 201, and 104 or 202.  
Pre- or corequisites: 225.

**ECON 306**  
Units: 1.5  
Hours: 3-0  
International Economics  
An introduction to international trade and finance. Topics include determinants of trade, balance of payments, and policy issues of current interest. The latter may include the political economy of tariffs, bilateral and multilateral trade negotiations, trade and development.  
Note: Credit will not be granted for 306 if 405A has already been completed.  
Prerequisites: 103 or 201, and 104 or 202.  
Pre- or corequisites: 225.

**ECON 310A**  
Units: 1.5  
Hours: 3-0  
Formerly: half of 310  
Industrial Organization  
An examination of the effects of competitive, monopolistic and oligopolistic market structures on market behaviour, performance and economic welfare. Special attention is paid to Canada.  
Note: Credit will be granted for only one of 310A, 310.  
Prerequisites: 103 or 201.  
Pre- or corequisites: 225.

**ECON 310B**  
Units: 1.5  
Hours: 3-0  
Formerly: half of 310  
Industrial Organization and Public Policy  
An examination of the relationship between industrial organization and the relevant public policy in Canada. Special attention is paid to maintaining competition, the Competition Act and elements of public regulation.  
Note: Credit will be granted for only one of 310B, 310.  
Prerequisites: 310A.  
Pre- or corequisites: 225.

**ECON 311A**  
Units: 1.5  
Hours: 3-0  
The Economic Analysis of Property and Contract  
An introduction to the economic analysis of law and legal institutions as applied to property and contract; and related topics.  
Note: Credit will not be granted for 311A and 308, 408, 408A, 408B.  
Prerequisites: 103 or 201, and 104 or 202.

**ECON 311B**  
Units: 1.5  
Hours: 3-0  
The Economic Analysis of Tort and Crime  
An introduction to the economic analysis of law and legal institutions as applied to tort and crime; and related topics.  
Note: Credit will not be granted for 311B and 308, 408, 408A, 408B.  
Prerequisites: 103 or 201, and 104 or 202, and 311A, or permission of the instructor; 203 recommended.  
Pre- or corequisites: 225.

**ECON 312**  
Units: 1.5  
Hours: 3-0  
Urban Land Economics  
Applications of economic principles to the economic role of cities and the spatial structure of urban areas. Topics include land use and the built environment, urban external effects and land use, land use planning and the urban land market, and the role of cities as centres of consumption and production.  
Note: Credit will be granted for only one of 312, 412.  
Prerequisites: 103 or 201.  
Pre- or corequisites: 225.

**ECON 313**  
Units: 1.5  
Hours: 3-0  
Formerly: half of 300  
Intermediate Microeconomics II  
Selected topics may include intertemporal choice, the organization of the firm, imperfect competition in product markets, discrimination in labour markets, basic game theory, "lemons" models, and additional topics in distribution and welfare economics not included in 203 or 302.  
Note: Credit will be granted for only one of 313, 300.  
Prerequisites: 203 or 302; MATH 140.  
Pre- or corequisites: 225.

**ECON 314**  
Units: 1.5  
Hours: 3-0  
Formerly: half of 301  
Topics in Macroeconomics  
Selected topics may include the theory of stabilization policy, government deficits and debt, wage and price adjustment, growth and cycles, theories of consumption, investment, money demand and money supply, and international macroeconomics.  
Note: Credit will be granted for only one of 314, 301.  
Prerequisites: 204 or 303.  
Pre- or corequisites: 225.

**ECON 317**  
Units: 1.5  
Hours: 3-0  
The Economics of Canadian Health Care  
An analysis of resource allocation in the Canadian health care sector. Topics include the special characteristics of health care goods and services, market failures in the health care sector, economic modelling of the consumption and production of health care, and a discussion of current issues in the economics of health care.  
Prerequisites: 103 or 201.  
Pre- or corequisites: 225.

**ECON 320**  
Units: 1.5  
Hours: 3-0  
Economic Development  
An examination of the economics of development with reference to Third World countries. Main emphasis will be on problems and policies, both domestic and international. Topics will include the relevance of the historical growth experience; poverty and income distribution; agriculture, technology, industrialization, and education; population and migration; international trade and foreign investment.  
Note: Credit will be granted for only one of 320, 420.  
Prerequisites: 103 or 201, and 104 or 202.
The story of long-run economic growth and welfare in the Canadian economy, with the aid of economic analysis, quantitative data and other historical materials. Emphasis on the development of the Canadian economy from a resource-based economy to a developed industrial economy within an international setting.

Prerequisites: 103 or 201, and 104 or 202, and 225.

ECON 325 Units: 1.5 Hours: 3-0
Public Finance
A discussion of taxation and expenditure policies with an emphasis on Canada. Microeconomic effects of these policies will be examined in detail.
Prerequisites: 103 or 201.
Pre- or corequisites: 225.

ECON 327 Units: 1.5 Hours: 3-0
Economic History of North America
This course deals with the economic history of the United States, Canada, and Mexico over the period 1750-1950. Topics to be covered include the settling of the frontier and the development of farming; water and rail bore infrastructure, especially sail and steam shipping and the impact of the railroads; slavery and the cotton South; mercantilism, protectionism and industrialization; and immigration and population growth.
Prerequisites: 103 or 201, and 104 or 202, and 225.

ECON 328 Units: 1.5 Hours: 3-0
Economic History of the Pacific Rim
This course deals with the economic history of the countries of Asia and Latin America having a Pacific Ocean coastline. The main focus is the period 1500 to 1940, namely when European exploration and colonialism dominated the region. Topics include trade, including the slave trade, mercantilism, the impact of European industrialization on economic relations, and the emergence of Japan as an industrial power.
Prerequisites: 100 or 104 or 202, or permission of the Department; 225.

ECON 333 Units: 1.5 Hours: 3-0
Introduction to Economic Growth
Prerequisites: 204 or 301 or 303.
Pre- or corequisites: 225.

ECON 337 Units: 1.5 Hours: 3-0
Formerly: part of 307
History of Economic Thought to 1870
Economics from Mercantilism up until the Marginal Revolution. Most attention will be devoted to the “Classical” contributions of Smith, Malthus, Ricardo, J.S. Mill and Marx.
Note: Credit will be granted for only one of 337, 307.
Prerequisites: 103 and 104 and 225.

ECON 338 Units: 1.5 Hours: 3-0
Formerly: part of 307
History of Economic Thought Since 1870
Economics from the Marginal Revolution of the 1870s until recent times. Most attention will be devoted to Marshall, Walras, and Keynes.
Notes: - Credit will be granted for only one of 338, 337.

- 337 recommended.
Prerequisites: 103 and 104 and 225
Pre- or corequisites: 203 or 205

ECON 345 Units: 1.5 Hours: 3-1
Applied Econometrics
An intuitive development of the basic concepts and techniques in econometrics. The emphasis is on the application of econometric concepts and techniques in analyzing economic phenomena.

Note: Credit will not be granted for 345 if credit has already been received for either of 365, 445. Cannot be taken concurrently with 363 or 366.
Prerequisites: 103 or 201, 104 or 202, and 246 or equivalent; MATH 140; ECON 203 and 204 recommended.
Pre- or corequisites: 225.

ECON 353 Units: 1.5 Hours: 2-2
Computer Aided Modelling in Economics
An introduction to numerical methods and their application in economics.
Prerequisites: 103 or 201, 104 or 202, 246 or equivalent; MATH 140, CSC 105 or CSC 110; ECON 250 recommended.
Pre- or corequisites: 225.

ECON 365 Units: 1.5 Hours: 3-0
Formerly: half of 445
Econometrics: Part I
Principles of econometrics with applied examples. Topics include: estimation of the regression model; sampling properties of estimators; testing restrictions; restricted least squares; generalized least squares; aspects of specification analysis.
Note: Credit will be granted for only one of 365, 445.
Prerequisites: 103 or 104 or 201 or 202 or 246 or equivalent; MATH 140, or MATH 100, 101 and 233A.
Pre- or corequisites: 225.

ECON 366 Units: 1.5 Hours: 3-0
Formerly: half of 445
Econometrics: Part II
Principles of econometrics with applied examples. Topics include: further aspects of specification analysis; data issues (multicollinearity, cointegration, missing observations); other special models (dynamic models, seemingly unrelated regressions, simultaneous equations models).
Note: Credit will be granted for only one of 366, 445.
Prerequisites: 365.

ECON 370 Units: 1.5 Hours: 3-0
Formerly: half of 315
Labour Economics
Aspects of labour supply and demand, and wage structures. Topics may include: the allocation of time, retirement, unemployment insurance, education and training, male-female wage differentials.
Note: Credit will be granted for only one of 370, 315.
Prerequisites: 203, 205, 300 or 302, or permission of the Department.
Pre- or corequisites: 225.

ECON 371 Units: 1.5 Hours: 3-0
Formerly: half of 315
Economics of Work and Pay
Selected topics may include design of optimal compensation systems, labour markets internal to the firm, trade unions, unemployment, personnel economics, discrimination, and labor 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
Environmental Economics
This course introduces students to the economic analysis of environmental issues. It examines conditions under which markets can and cannot achieve efficient outcomes in the allocation of environmental resources, and considers the role for policy intervention and key issues in policy design. Topics typically include: the problem of externalities, pollution control policies, an introduction to public goods and non-market valuation, and an introduction to the economics of climate change. The course illustrates key concepts through the discussion of various contemporary environmental issues.
Note: Credit will be granted for only one of 381, ES 312, ECON 330.
Prerequisites: 103 or 201, and 225.

ECON 382 Units: 1.5 Hours: 3-0
Formerly: Part of 430A
Natural Resource Economics
This course introduces students to economic issues specific to the use and management of natural resources. It explores the economic principles for the efficient allocation of resources over time. Topics covered typically include the economic classification of natural resources; scarcity, growth and sustainability; ownership, access systems and rent dissipation; and principles of optimal depletion and use. Policies and mechanisms to foster greater economic efficiency in economic systems dependent on natural resources are examined.
Note: Credit will be granted for only one of 382, 430A.
Prerequisites: 203, and 250 or permission of the instructor, and 225.

ECON 399 Units: 0
Third Year Honours Seminar
Seminar for Honours students only. Third-year students begin initial research for their Honours thesis under the guidance of a faculty supervisor. The thesis is submitted at the end of the fourth year.
Pre- or corequisites: 225.
Grading: COM, N or F

ECON 400 Units: 1.5 Hours: 3-0
Advanced Microeconomic Theory
Selected topics in microeconomic theory.
Note: Credit will be granted for only one of 400, 440.
Prerequisites: 203 or 300 or 302, and 250 or 350.
Pre- or corequisites: 225.

ECON 401 Units: 1.5 Hours: 3-0
Advanced Macroeconomic Theory
Selected topics in macroeconomic theory.
Prerequisites: 204 or 301 or 303, and 250 or 350, and 251 or 351.
Pre- or corequisites: 225.

ECON 405A Units: 1.5 Hours: 3-0
International Trade Theory
The study of international trade theory and policy with emphasis on general equilibrium analysis. Topics include the factor proportions theory of trade, technological determinants of trade, the theory of tariffs and trade policy, models of strategic interaction between countries.
Prerequisites: 203 or 302, and 250 or 350 or equivalent.
Pre- or corequisites: 306 and 225.

ECON 405B Units: 1.5 Hours: 3-0
International Monetary Theory and Policy
A study of international monetary economics, including such topics as foreign exchange markets, Keynes-
sian and monetarist mechanisms of adjustment, forward exchange markets, alternate exchange rate systems, capital mobility and open economy macroeconomic policies.

**Prerequisites:** 203 or 300 or 302, and 204 or 301 or 303.

**Pre- or corequisites:** 225.

**ECON 406 Units:** 1.5  **Hours:** 3-0

**Monetary Economics**

Monetary economics studied in the context of overlapping generations models. Barter and commodity money, flat money and inflation; international monetary systems. Financial intermediation, banking, and the money supply. Deficits and the national debt; saving and investment.

**Prerequisites:** 204 and 313; 305 recommended.

**Pre- or corequisites:** 225.

**ECON 407 Units:** 1.5  **Hours:** 3-0

**Topics in the History of Economic Thought**

Seminar in selected issues in the History of Economic Thought. Topics will include a detailed examination of Adam Smith’s Wealth of Nations and Alfred Marshall’s Principles of Economics. Other topics may vary from year to year.

**Prerequisites:** 203 or 300 or 302, and 204 or 301 or 303, and 225.

**ECON 410A Units:** 1.5  **Hours:** 3-0

**Problems of Canadian Microeconomic Policy**

Selected topics involving the application of microeconomic analysis to Canadian problems and policies; topics vary but generally include education, health care, regulation and competition policy with an emphasis on current affairs.

**Note:** Credit will be granted for only one of 410A, 410.

**Prerequisites:** 203 or 300 or 302.

**Pre- or corequisites:** 225.

**ECON 410B Units:** 1.5  **Hours:** 3-0

**Problems of Canadian Macroeconomic Policy**

Selected topics involving the application of macroeconomic analysis to Canadian problems and policies in the areas of unemployment, inflation and economic growth.

**Note:** Credit will be granted for only one of 410B, 410.

**Prerequisites:** 204 or 301 or 303.

**Pre- or corequisites:** 225.

**ECON 411 Units:** 1.5  **Hours:** 3-0

**Topics in the Economic Analysis of Law**

A seminar course investigating selected topics chosen from property law, contract law, tort law, family law and constitutional law.

**Prerequisites:** 311A or 311B and 203, or permission of the instructor.

**Pre- or corequisites:** 225.

**ECON 414 Units:** 1.5  **Hours:** 3-0

**Regional Economics**

Consideration of the problem of regional economic disparities. Theories of migration, location and regional economic growth. Techniques for analyzing aspects of the regional problem, including cost-benefit analysis, regional accounting, shift share analysis, multiplier analysis. Policy issues relating to the problem.

**Prerequisites:** 203 or 300 or 302, and 204 or 301 or 303.

**Pre- or corequisites:** 225.

**ECON 415 Units:** 1.5  **Hours:** 3-0

**Topics in Labour Economics**

Selected issues in labour economics will be studied using both theoretical and econometric tools. Topics may include the economics of education, the worker-employer matching process, the economics of discrimination, and the unemployment insurance system.

**Prerequisites:** 203 or 300 or 302, and 345 or 365.

**Pre- or corequisites:** 225.

**ECON 416 Units:** 1.5  **Hours:** 3-0

**Cost Benefit Analysis: Principles and Application**

Principles of cost benefit analysis including consideration of welfare economics, the treatment of intergenerational and policy evaluations, uncertainty and risk, and selected applications in such areas as human resource economics, natural resource and recreation economics, economic development and urban planning.

**Prerequisites:** 203 or 300 or 302.

**Pre- or corequisites:** 225.

**ECON 418 Units:** 1.5  **Hours:** 3-0

**Monetary Economics**

Monetary economics studied in the context of overlapping generations models. Barter and commodity money, flat money and inflation; international monetary systems. Financial intermediation, banking, and the money supply. Deficits and the national debt; saving and investment.

**Prerequisites:** 204 and 313; 305 recommended.

**Pre- or corequisites:** 225.

**ECON 419 Units:** 1.5  **Hours:** 3-0

**Institutional Economics**

Theories of economic development; domestic policies for development; investment criteria; planning and financing economic development; the role of foreign trade and aid in economic development.

**Prerequisites:** 203 or 300 or 302, and 204 or 301 or 303; 320 recommended.

**Pre- or corequisites:** 225.

**ECON 420 Units:** 1.5  **Hours:** 3-0

**Theory of Economic Development**

Topics in the History of Economic Thought. Topics will include a detailed examination of Adam Smith’s Wealth of Nations and Alfred Marshall’s Principles of Economics. Other topics may vary from year to year.

**Prerequisites:** 203 or 300 or 302.

**Pre- or corequisites:** 225.

**ECON 421 Units:** 1.5  **Hours:** 3-0

**European and International Economic History**

The rise of capitalism and the Industrial Revolution especially in Western Europe. The British experience and comparative rates of growth in European countries, with some attention to the transference of industrialization techniques to non-European countries.

**Prerequisites:** 203 or 300 or 302, and 204 or 301 or 303; 320 recommended.

**Pre- or corequisites:** 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 Japanese 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: Multifamily theory; the economic consequences of population growth; the economic consequences of family, fertility, 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 430 Units:** 1.5  **Hours:** 3-0

**Formerly: 430B**

**Seminar in Natural Resource and Ecological Economics**

Seminar on selected issues in natural resource and ecological economics: rents and their appropriation, taxation, user’s cost, ecology and economics, depletion of energy and other reserves, sustainable economic development and resource exploitation.

**Note:** Credit will be granted for only one of 432, 430B.

**Prerequisites:** 203 or 300 or 302, or permission of the Department.

**ECON 435 Units:** 1.5  **Hours:** 3-0

**Financial Economics**

An introduction to the application of economics to finance, with an emphasis on the theory of asset pricing. Topics include mean-variance portfolio analysis; the capital asset pricing model and arbitrage pricing theory; equity and fixed income securities; options and the Black-Scholes pricing formula; and futures contracts.

**Prerequisites:** 313 and 246 or equivalent; 305 and COM 240 recommended.

**Pre- or corequisites:** 225.

**ECON 437 Units:** 1.5  **Hours:** 3-0

**Philosophical Problems in Contemporary Economics**

Seminar course investigating selected problems with the neoclassical paradigm, with emphasis on the relationship of morality to economics. Topics may include rational choice and human agency, cognition, gender, social institutions, social choice theory, constitutional political economy, law and democracy, economic development, and economic justice. Prominent contemporary economic critics of neoclassical economics will be read.

**Prerequisites:** 203 and 204; fourth-year standing recommended.

**Pre- or corequisites:** 225.

**ECON 439 Units:** 1.5  **Hours:** 3-0

**Economics of the Family**

A seminar course studying theoretical and empirical literature related to the allocation of labour and resources within households, and its relation to labour
force outcomes. Topics may include: human capital
decisions; gender roles; household production; labour
force participation; the economics of marriage and
divorce; the valuation of unpaid work in national in-
come accounting; child care; gender and develop-
ment.

Prerequisites: 203 or permission of the Department.
Pre- or corequisites: 225.

ECON 450 Units: 1.5 Hours: 3-0
Game Theory in Economics
Game theory, including dynamic games. Applications
to the study of the strategic interaction between eco-
nomic agents. Topics include standard oligopoly mod-
els, entry deterrence and predation, R and D rivalry.
Prerequisites: 203 or 300 or 302, 250 or 350.
Pre- or corequisites: 225.

ECON 451 Units: 1.5 Hours: 3-0
General Equilibrium and Welfare Economics
Selected topics in general equilibrium theory and
welfare economics.
Prerequisites: 251 or 351, and 353.
Pre- or corequisites: 225.

ECON 452 Units: 1.5 Hours: 3-0
Information and Incentives
Theory and applications of the principal agent model
to moral hazard, adverse selection and signalling
problems.
Prerequisites: 203 or 300 or 302, and 250 or 350.
Pre- or corequisites: 225.

ECON 453 Units: 1.5 Hours: 3-0
Business Cycles and Economic Growth
Real and monetary models of the business cycle,
models of growth and technological change.
Prerequisites: 250 or 350.
Pre- or corequisites: 225.

ECON 454 Units: 1.5 Hours: 3-0
Theory of Corporate Finance
Corporate finance is the study of how firms attract
capital to finance their operations. This course sur-
veys some corporate finance topics that are of particu-
lar interest to economists. These topics may include
the determinants of capital structure, dividend policy,
capital budgeting, the relation between firm finance
and product market behaviour, contracting and firm
incentives, the role of financial intermediaries, and
mergers and takeovers.
Prerequisites: 313 or 400.
Pre- or corequisites: 225.

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, sus-
tainability, policy design under asymmetric informa-
tion, monitoring and enforcement, green
erasure 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
Natural Resource Economics II
This course introduces students to dynamic optimiza-
tion as it applies to renewable and non-renewable
resources, focusing in particular on dynamic prob-
lems related to the fishery, forestry and the mine.

Economic principles relating to the governance/regu-
lation of natural resource use will also be examined.

Note: Credit will be granted for only one of 482, 430A.
Prerequisites: 313 and 382 and 225.
Pre- or corequisites: 251.

ECON 495 Units: 1.5 or 3.0
Directed Studies
Directed reading and/or research for Major and Hon-
ours students with first class standing in Economics
under the supervision of a faculty member willing to
supervise such a course.

Note: May be taken more than once for credit to a
maximum of 3 units.
Prerequisites: Permission of the Department.
Pre- or corequisites: 225.

ECON 499 Units: 3.0
Formerly: 470
Fourth Year Honours Thesis and Seminar
Seminar for Honours students only. Includes oral
presentations related to the student's proposed thesis
research, which is carried out under the direction of a
faculty supervisor.

Note: Credit will be granted for only one of 499, 470.
Prerequisites: Registration in 399 or permission of the
Department.
Pre- or corequisites: 225.

ED-D

Educational Psychology and
Leadership Studies
Department of Educational Psychology
and Leadership Studies
Faculty of Education

Courses offered by the Faculty of Education are also
found under the following course codes: AE, DE,
ED-D, ED-P, EDCI, IA, IET, ME, PE.

ED-D 101 Units: 1.5 Hours: 3-0
Learning Strategies for University Success
This course supports undergraduate students to
develop study skills and strategies for success in
university courses. The course emphasizes applied
assignments that help students to master reading;
note taking, studying, time management, and assign-
ment 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 stu-
dents who are concurrently enrolled in at least two
other university courses.

ED-D 300 Units: 1.5
Formerly: 200
Educational Psychology
The application of psychological principles to elemen-
tary 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 develop-
mental and individual needs of children. The implica-
tions 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.

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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.
Observation techniques, the interview, and other
approaches to child study will be stressed.

Prerequisites: 305 or equivalent.

ED-D 316 Units: 1.5 Hours: 3-0
Study of Communication in Interpersonal
Relationships
The study of verbal and nonverbal behaviours that
lead to more effective interpersonal relationships.
Includes the examination of self-concept, percep-
tions, emotions, language and behaviour that influ-
ence 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 in-
creasing 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, check lists, performance
tests, essay and objective tests; organization, use
and reporting of assessment data.

337A - Evaluation in the Arts
337B - Evaluation in the Humanities and Modern
Languages
337C - Evaluation in Physical Education
337D - Evaluation in Elementary Classrooms
337E - Evaluation in the Sciences, Mathematics
and Social Sciences

Corequisites: Professional year.

ED-D 338 Units: 1.5 Hours: 3-0
Computers in the Classroom
The purpose of this course is to provide a flexible
learning environment from which to explore, examine,
discuss and develop strategies for the application of
computer-based technology to enrich learning.

ED-D 400 Units: 1.5 Hours: 3-0
Learning Difficulties in the Elementary
Classroom
An introduction to the nature, scope and recognition
of learning difficulties commonly encountered in the
elementary classroom.

ED-D 401 Units: 1.5 Hours: 3-0
Formerly: 303
Introduction to Psychology of Classroom
Learning
An introduction to the psychology of learning in the
secondary school.

Note: Credit will not be granted for 401 and 200,
200A, 200B, 300, 303, 403.
ED-D 402 Units: 1.5
Assessment for Special Education
This course is designed to provide an in-depth study of the area of formal and informal assessment of the exceptional child. Topics include techniques, methods and purposes of assessment, factors important in selecting and administering standardized tests for the purpose of planning educational alternatives, technical information required to interpret tests adequately, and limitations on interpretation.
Note: It is recommended that students take 405 first or concurrently with this course.
Prerequisites: 337 or permission of the instructor.

ED-D 403 Units: 4.5 Hours: 4.5-0
Educating the Developing Learner
An integrated approach to planning for effective learning and to managing ineffective learning patterns in children. The developmental needs of children, their learning characteristics and the cultural and multiculturals factors in the modern classroom will be considered.
Note: Credit will be granted for only one of 403, 300, 305, 400, 401. Available to Elementary PDPP students only by permission of the Education Advising Centre.

ED-D 404 Units: 1.5 Hours: 3-0
Learning Difficulties in the Secondary Classroom
An introduction to the nature, scope, and recognition of learning difficulties encountered in the secondary classroom. Some attention will be given to integration (mainstreaming) of students with severe problems of learning and behaviour.

Pre- or corequisites: Professional year.

ED-D 405 Units: 1.5 or 3 Hours: 3-0
Educational Exceptionality
An introductory survey course intended to familiarize students with the needs of children and adolescents with varying exceptionalities. Topics include history of special education services, parents and families of special needs children, mental retardation, learning disabilities, emotional disturbance, the gifted, children with speech and language problems, hearing and vision loss, physical impairments, and chronic health problems.
Note: 405 is normally a pre- or corequisite course for 410A and 415.

Prerequisites: ED-D 401, 406, 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
Formerly: EDUC 407
Evaluating and Reporting Student Progress
A collaboratively taught, cross-subject examination of principles and strategies for organizing, interpreting and presenting progress evaluations and report cards to students and their parents. Guidelines for writing report card commentaries will be provided. Strategies for involving students in the monitoring and reporting of their own learning will be considered (portfolio presentations; student-led conferences), along with suggestions for involving parents in reporting conferences.
Note: Credit will be granted for only one of 407, EDUC 407 or ED-D 337D.

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.

ED-D 410 Units: 1.0 Hours: 3-0
Formerly: EDUC 410
The Professional Role
This course will focus on the ethical, legal and administrative issues relevant to beginning teachers. Some preparation for Teacher-on-Call positions will be included, in recognition of current entry paths into the profession. Attention will also be directed to resources available to support the on-going professional development needs of teachers throughout their careers. A case study approach will be featured.
Note: Credit will be granted for only one of 410, EDUC 410 or ED-B 430.

Prerequisites: Completion of Year Four of the Bachelor of Education Elementary program or EDUC 300A.

ED-D 410A Units: 1.5 Hours: 3-0
Educating Individuals with Mental Retardation
Considers learning needs and characteristics of children and adults with mental retardation and presents methods of educating and programming. Also to be discussed are physiological and social causes of retardation, basic methods of assessment for instructional purposes, and principles of community living.
Note: The professional year prerequisite is waived for students in the School of Child and Youth Care.

Pre- or corequisites: 405; professional year.

ED-D 411 Units: 1.5 or 3
Problems of Attention and Behaviour
Supervised practice and/or theoretical considerations in working with children who present mild to severe problems in behaviour. The course is offered in two sections, as described below, and only one of these is scheduled in any given session. Consult the Department for further information.

ED-D 414 Units: 1.5 Hours: 3-0
Group Processes
Analysis, theory, and research related to group processes, decision-making, and leadership in a variety of settings. Awareness and understanding of self in group contexts. The course includes skills practice and development related to group membership and facilitation.
Note: 414 is a prerequisite course for the Master's program in Counselling.

ED-D 415 Units: 3.0 Hours: 3-3
Assessment and Remediation of Learning Difficulties
A consideration of assessment strategies and instructional methods and materials appropriate for the identification and remediation of learning difficulties.
Note: Students in this course must reserve three one-hour periods in their timetables for the required practicum. During this practicum component, the concentration is on language arts and mathematics. It is recommended that students take the following courses first or concurrently with this course: 405, ED-B 442, ED-E 484.

Prerequisites: Professional year (waived for students in the School of Child and Youth Care).

ED-D 417 Units: 1.5 Hours: 3-0
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 experiences. 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.

ED-D 418 Units: 1.5 Hours: 3-0
Formerly: part of ED-D 417
Introduction to Theories of Counselling
Major theoretical approaches to counselling. This will include philosophical assumptions, key concepts, the process of change, and interventions. Designed for those interested in counselling, psychotherapy, and helping relationships.
Notes: - Credit will be granted for only one of 418, ED-D 417; ED-D 417 taken before May 1, 2008.
- ED-D 418 is a prerequisite course for the Master’s program in Counselling.

ED-D 420 Units: 1.0 Hours: 2-0
Formerly: EDUC 420
Learning Support: Context & Key Issues
An introductory overview of key issues in learning support. Topics will include the organization, administration and management of classrooms in which students with special educational needs are found; the referral process; teacher responsibilities for students with special educational needs in the context of regular classrooms; and the utility and limitations of various assessment techniques.
Note: Credit will be granted for only one of 420, EDUC 420.

Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

ED-D 421 Units: 1.5 Hours: 3-0
Formerly: EDUC 421
Recognition and Assessment of Learning Needs
Topics will include administering and interpreting teacher directed/prepared assessment techniques and commercial tests; reading and writing reports; and developing various individualized educational plans.
Note: Credit will be granted for only one of 421, EDUC 421.

Prerequisites: ED-D 420 (formerly EDUC 420).

ED-D 422 Units: 1.5 Hours: 3-0
Formerly: EDUC 423
Management and Adaptation of the Classroom Environment
The course will focus on strategies for adapting the classroom environment to support children with a range of special needs. Topics will include ADHD/FAS; abuse and neglect; medication/treatments; social competences and emotional adjustment; issues related to low/high incidence classifications; collaboration between professionals, paraprofessionals.
Note: Credit will be granted for only one of 422, EDUC 423.

Prerequisites: ED-D 420 (formerly EDUC 420).

Grading: INC, COM, N or F
ED-D 423 Units: 1.5  
Approaches to Cross-Cultural Education  
This course is designed for those working or planning to work in a multicultural environment. Specific emphasis will be on cross-cultural awareness and the role of counseling in cross-cultural settings. Students will examine ethnic identity development and minority experience in Canada, explore the psychological and sociological impacts of racism, be introduced to theories of multicultural counseling, and engage in cross-cultural sensitivity and anti-racism training.

ED-D 430 Units: 1.5 Hours: 3-0  
Formerly: ED-B 430  
The Organization and Administration of Education in British Columbia  
Introduction to structure and process of the BC School System. Teacher-administration relationships. Emerging trends and controversial issues in school organization and practice. Value problems in the profession, School law and legal requirements. Public and professional relationships. Classroom management. 
Note: Credit will be granted for only one of 430, ED-B 430.

Prerequisites: Authorization to register in the Elementary Education program or Secondary Professional Year or permission of the Education Advising Centre.

ED-D 433 Units: 1.5 Hours: 3-0  
Personal Planning: An Overview  
To prepare teachers, counsellors, and child care workers for teaching or conducting the "Personal Planning" program. Topics include providing for individual responsibility, social awareness, relationship enhancement, and lifelong development.

ED-D 434 Units: 1.5 Hours: 3-0  
Personal Development: Elementary Content Areas  
To prepare teachers and counsellors to conduct elementary-school programs in child abuse prevention, healthy living, family life education, career development, and substance abuse prevention. The basic elements of the elementary program in Personal Planning, including the planning process, will be emphasized.

ED-D 435A Units: 1.5 Hours: 3-0  
Peer Helping: Training Issues  
An examination of the use of peers in the helping/learning process in a variety of populations and settings. Topics include the theory and research in peer helping, peer tutoring, peer mentoring and peer counselling. Emphasis will be placed on skill building and training expertise necessary to organize and train a variety of peer groups in educational and community settings. Experiential learning cycles will be emphasized. 
Note: Participants are strongly urged to take this course concurrently with 435B.

ED-D 435B Units: 1.5 Hours: 3-0  
Peer Helping: Program Implementation Issues  
This course will cover the variety of strategies used to develop, implement and evaluate a peer program. Topics include initiating change, consulting with decision makers, organizing action teams, selecting peer helpers, and creating an effective training curriculum. Approaches to supervision and evaluation will be examined. 
Note: Participants are strongly urged to take this course concurrently with 435A.

ED-D 440 Units: 1.5 Hours: 3-0  
Teaching and Learning in Personal Planning and Career and Personal Planning  
This course presents the history, rationale and development of the Career and Personal Planning curricula. Current practices and new approaches to teaching and learning in the CaPP and PP classroom will be examined. Other topics include the teacher as effective practitioner, addressing sensitive issues in the classroom, freedom of information and privacy, and issues of responsibility.

ED-D 441 Units: 1.5 Hours: 3-0  
Approaches to Instruction & Assessment in Personal Planning and Career and Personal Planning  
Theory and practice related to effective instruction and evaluation in CaPP and PP. Models of delivery, collaborative consultation, accessing resources, planning and evaluation in the effective domain, criterion-referenced assessment, and reporting practices will be covered.

ED-D 444 Units: 3.0 Hours: 3-0  
Personal Development Secondary Content Areas  
This course focuses on the content areas of Personal Development at the secondary level: healthy living, mental well-being, family life education, child abuse prevention, substance abuse prevention, and safety and injury prevention. Related topics include values awareness education, sensitive issues, and community resources.

ED-D 446A Units: 1.5 Hours: 3-0  
Career Awareness and Exploration  
The foundations of lifelong career education and awareness, skills development, and the planning process. Approaches to facilitate career exploration with youth, issues of personal responsibility, and current perspectives in the labour market will be presented.

ED-D 446B Units: 1.5 Hours: 3-0  
Career Development and Planning  
Practical aspects of providing programs for career and life planning. Developmental issues and applications will be presented. Preparation for employment, work search strategies, work experience, and career technologies will also be covered.

ED-D 480 Units: 1.5 or 3 Hours: 3-0  
Contemporary Issues in Education - Educational Psychology and Leadership Studies  
Current topics and developments in education, with particular consideration of their relevance to the schools of British Columbia. This will be taught from an interdisciplinary approach.
Note: May be taken more than once for credit with permission of the Education Advising Centre.

ED-D 487 Units: 1.5 or 3 Hours: 3-0  
Special Topics in Education - Educational Psychology and Leadership Studies  
Topics of current interest or concern to groups of students. 
Note: May be taken more than once for credit with permission of the Education Advising Centre.

ED-D 494 Units: 1.5 each  
Directed Studies  
Research projects, directed reading, or additional course work in a specified area.

ED-D 494B - Helping Profession  
494B - Helping Profession  
Note: All students must obtain written approval from the Education Advising Centre before registering.
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, deepening, and evaluating student learning. Students will be expected to develop and document their capacity to reflect on and assess their own practice, and to initiate strategies for building on strengths and overcoming areas of weakness. Students will register in one of the following:  

400A - School Experience and Eight Week Final Practicum (Professional Degree)  
Students are required to attend seminars and undertake an eight week final practicum, normally scheduled during January, February and March. Pre-practica school visits are required.  

400B - School Experience and Extended Practicum (Post-Degree)  
This is an extended practicum for Post Degree Professional Program students scheduled for September through December. Students are also required to attend weekly seminars.  

400C - School Experience and Eight Week Practicum (Post-Degree)  
This is an eight-week final practicum for Post Degree Professional Program students normally scheduled during September, October, November. Students are also required to attend weekly seminars.  

400D - School Experience and Extended Practicum (Professional Degree)  
Students accepted into the internship program are required to take courses in July and August, undertake an extended practicum scheduled for September through mid-February, attend seminars and workshops, and conclude their coursework mid-February to April. Only one strand is offered for internship students and will be known before application to the internship.  

400E - School Experience and Updating Practicum  
A seminar and eight-week practicum for persons wishing to update teaching skills and to gain or validate teaching certificates. Pre-practica school visits and planning is required. The time commitment is ten to twelve weeks.  

Notes:  
- Must have consent of the Director.  
- Credit will be granted for only one of 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 400A and any one of the above.  

Prerequisites: ED-P 300 (formerly EDUC 300).  
Grading: INC, COM, N or 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 granted 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  
Professional Seminar or Practicum  
A seminar or supervised practicum for persons wishing to update teaching skills and to gain or validate teaching certificates. Practicum only students will be on an individualized study/practice program.  

Prerequisites: Consent of the Director.  
Grading: INC, COM, N or F  

ED-P 498  
Units: 1.5  
Fourth Year Secondary Seminar  
A program of seminars and school experiences prerequisite to the secondary methodology courses. A two week post-session practicum following final examinations is required. This requirement may be modified for students on special programs.  

Prerequisites: Fourth-year standing in the Secondary Education program or permission of the Director.  
Grading: INC, COM, N, or F  

ED-P 499  
Units: 0.5-3.0  
Professional Development Professional Studies  
This is a variable content course directed at improving specific teacher and/or administrator competencies. It will normally be offered off campus.  

Note: Not more than 3 units of credit for any 499 courses may be approved as electives on an Education degree program. Approval must be obtained from the Director.  
Grading: INC, COM, N, or F  

ED-P 780  
Units: 1.5  
Hours: 3-0  
Student Teaching Seminar Secondary  
A series of seminars providing assistance in planning for practicum, discussion of topics of common concern for student teachers, and current issues related to instruction.  

Grading: INC, COM, N, or F  

ED-P 787  
Units: 4.5  
Professional Year Elementary Seminar and Practicum  
For students registered in the certification year, elementary program. Consists of a weekly seminar and school experience to be arranged by the School Experience Office. Initial school experiences will occur during the first week of the term.  

Note: Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of Professional Studies.  
Grading: INC, COM, N, F or INP  

ED-P 790  
Units: 1.5  
Secondary Teaching Skills Seminar  
The study, performance, and evaluation of teaching skills essential to teacher performance at the secondary level. Skills will be practised and evaluated through peer interaction.  

Prerequisites: Acceptance in the Secondary Post Degree Professional Program.  
Grading: INC, COM, N, or F  

ED-P 798  
Units: 3.0  
Student Teaching Practicum  
Placement from January through April in one or more secondary schools for supervised teaching practice.  
Prerequisites: Successful completion of pre-practicum term.  
Grading: INC, COM, N, F, or INP  

EDCI  
Curriculum and Instruction Studies  
Department of Curriculum and Instruction  
Faculty of Education  
Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDCI, IA, IET, ME, PE.  

EDCI 302  
Units: 1.5  
Hours: 3-0  
Formerly: EDUC 302  
Literacy and Language in the Elementary School  
An overview of the teaching of language arts and the development of oral language and literacy in the elementary school. An introduction to strategies for addressing the diverse needs of learners will be included.  

Note: Credit will be granted for only one of 302, EDUC 302, ED-B 748.  
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).  

EDCI 303  
Units: 1.5  
Hours: 3-0  
Formerly: EDUC 303  
Historical and Philosophical Foundations of Canadian Education  
This course takes an historical or a philosophical approach to the study of Canadian education developments. It examines the social and educational ideas at the very foundation of the establishment of public schools.  

Note: Credit will be granted for only one of 303, EDUC 303, ED-B 420, ED-B 423.  
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).  

EDCI 305  
Units: 2.0  
Hours: 2-1  
Formerly: EDUC 305  
Drama Education: A Medium For Learning  
Drama is a socially-interactive art form. This course addresses the foundations of drama education. Exercise, Dramatic Play, Drama for Understanding based on the current elementary curriculum. Students will explore the principles, practice, and methods of instruction.  

Note: Credit will be granted for only one of 305, EDUC 305, DE 204, 304.  
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).  

EDCI 306  
Units: 2.0  
Hours: 2-1  
Formerly: EDUC 306  
Music in the Elementary Classroom  
Experiential approaches to the development of skills, understanding, attitudes, and contemporary teaching strategies to support the important role of music in elementary schools.  

Note: Credit will be granted for only one of 306, 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).
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<tr>
<th>Course Number</th>
<th>Units</th>
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<th>Description</th>
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<td>EDCI 307</td>
<td>2.0</td>
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<td>Art in the Elementary Classroom</td>
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<td>Note:</td>
<td>Credit will be granted for only one of 307, EDUC 307, AE 103, AE 204.</td>
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<td>EDCI 321</td>
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<td>Note:</td>
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<td>EDCI 336</td>
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<td>EDCI 337</td>
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<td>Television and Video: Applications and Impact</td>
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<td>EDCI 338</td>
<td>1.5</td>
<td>2-2</td>
<td>Formerly: ED-B 363</td>
<td>The Mass Media and Education</td>
</tr>
<tr>
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<td>Note:</td>
<td>Credit will be granted for only one of 338, ED-B 362.</td>
</tr>
<tr>
<td>EDCI 339</td>
<td>1.5</td>
<td>2-2</td>
<td>Formerly: ED-B 363</td>
<td>Educational Applications of the Internet</td>
</tr>
<tr>
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<td>Note:</td>
<td>Credit will be granted for only one of 339, ED-B 363.</td>
</tr>
<tr>
<td>EDCI 347A</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: ED-B 341A</td>
<td>Children's and Young Adult Literature</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>Note:</td>
<td>Credit will be granted for only one of 347A, ENGL 402, ED-B 341A.</td>
</tr>
<tr>
<td>EDCI 350</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: ED-B 350</td>
<td>Foundations of Reading and Writing in the Secondary Grades</td>
</tr>
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<td>Note:</td>
<td>Credit will be granted for only one of 350, ED-B 350.</td>
</tr>
<tr>
<td>EDCI 352</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: ED-B 344</td>
<td>Literacy for Learning Across the Secondary Curriculum</td>
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<td>Note:</td>
<td>Credit will be granted for only one of 352, 343C, ED-B 344.</td>
</tr>
<tr>
<td>EDCI 353A</td>
<td>1.5</td>
<td>1.5</td>
<td>Formerly: EDCI 353</td>
<td>Literature For Young Adults</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>Note:</td>
<td>Credit will be granted for only one of 353A, 353, ED-B 351, ED-B 371, ED-B 471. Restricted to students with third or fourth-year standing.</td>
</tr>
<tr>
<td>EDCI 353B</td>
<td>1.5</td>
<td>1.5</td>
<td>Formerly: EDCI 353</td>
<td>Alternative Texts for Young Adults</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Note:</td>
<td>Credit will be granted for only one of 353B, 353, ED-B 351, ED-B 371, ED-B 471. Restricted to students with third or fourth-year standing.</td>
</tr>
<tr>
<td>EDCI 354</td>
<td>1.5</td>
<td>3-0-1</td>
<td>Formerly: ED-B 391</td>
<td>Basic Classroom Techniques in Teaching Oral French</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>Note:</td>
<td>Credit will be granted for only one of 354, ED-B 390, ED-B 391.</td>
</tr>
<tr>
<td>EDCI 371</td>
<td>1.5</td>
<td></td>
<td>Also: IS 371</td>
<td>The History of First Nations Education in Canada</td>
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<td>Note:</td>
<td>Credit will be granted for only one of 371, IS 371.</td>
</tr>
<tr>
<td>EDCI 372</td>
<td>1.5</td>
<td>2-2</td>
<td>Also: IS 372</td>
<td>Aboriginal Ways of Knowing</td>
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<td>Note:</td>
<td>Credit will be granted for only one of 372, IS 372.</td>
</tr>
<tr>
<td>EDCI 401</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: ED-B 437</td>
<td>Facilitating Adult Learning</td>
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<td>Note:</td>
<td>Credit will be granted for only one of 401, ED-B 437.</td>
</tr>
<tr>
<td>EDCI 402</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 402</td>
<td>Reading: Instructional Principles and Strategies</td>
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<tr>
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<td>Note:</td>
<td>Credit will be granted for only one of 402, EDUC 402, ED-B 748.</td>
</tr>
<tr>
<td>EDCI 403</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 403</td>
<td>Curriculum and Instruction in Elementary Science</td>
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<tr>
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<td>Note:</td>
<td>Credit will be granted for only one of 403, EDUC 403, ED-E 745.</td>
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<td>Pre-requisites:</td>
<td>Completion of Year Three of the Bachelor of Education Elementary program or approval in the Post-Degree Professional Program (Elementary).</td>
</tr>
</tbody>
</table>

**2006-07 UVIC CALENDAR**

COURSE LISTINGS

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.

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.

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.
### COURSE LISTINGS

#### 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 participation 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 406  
Units: 1.0  
Hours: 1-2  
**Formerly:** EDUC 406

**Instructional Technology**  
This course examines technologies used to support and extend instruction. Topics include: computer-based technologies and their integration into instruction; multi-media; networking; evaluation of instructional software; instructional applications of the internet. CD-ROM/Web-linked versions available.  
**Note:** Credit will be granted for only one of 406, EDUC 406, ED-B 359, ED-B 360, ED-D 338.  
**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).  

#### EDCI 409  
Units: 1.0  
Hours: 2-0  
**Formerly:** EDUC 409

**Constructing Mathematical Understanding**  
Further examination of recent issues and trends related to fostering and assessing the major components of mathematical literacy, mathematical thinking and numeracy.  
**Note:** Credit will be granted for only one of 409, EDUC 409, ED-E 743.  
**Prerequisites:** EDCI 405 (formerly EDUC 405).  

#### EDCI 411  
Units: 1.5  
**Formerly:** ED-B 452

**Curriculum and Teaching in the Elementary School**  
Conceptions of curriculum and schooling and their implications for teaching and learning. Analysis of the teacher role in developing student success. Emphasizes the teacher as decision maker. To provide the background and critical perspective necessary for interpretation, selection, integration, implementation and evaluation of curricula.  
**Note:** Credit will be granted for only one of 411, ED-B 452.  
**Prerequisites:** Professional Year.  
**Corequisites:** For PDPP students, Professional Year is a corequisite.  

#### EDCI 421  
Units: 1.5  
Hours: 3-0  
**Formerly:** ED-B 440

**Origins, Influences and Trends in Early Education Programs**  
An examination of how historical, philosophical, developmental, political and sociological factors determine today’s programs for preschool, daycare, kindergarten and primary. This course addresses the questions: Where do early childhood programs come from? Why is there such variety in programs for children and families? and What can we learn from other programs and other countries?  
**Note:** Credit will be granted for only one of 421, ED-B 440.  
**Pre- or corequisites:** ED-B 339 or EDCI 321 or permission of the instructor.  

#### EDCI 422  
Units: 1.5  
**Formerly:** ED-B 441

**Curriculum and Program Design in Early Childhood Education**  
Practical strategies for the development of early childhood curricula and the planning and administration of programs for preschool, daycare, and kindergarten. This course also examines current topics such as integration, multiculturalism, family involvement, and program evaluation.  
**Note:** Credit will be granted for only one of 422, ED-B 441.  

#### EDCI 423  
Units: 1.5  
Hours: 3-0  
**Formerly:** ED-B 448

**Seminar and Practicum in Early Childhood Education**  
Observation and supervised practice teaching in the preschools, daycare centres, and kindergartens. Course activities include weekly half-day observations and a seminar. Completion of a successful practicum will be required.  
**Note:** Credit will be granted for only one of 423, ED-B 448.  
**Pre- or corequisites:** ED-B 441, EDCI 422 or permission of the instructor.  

#### EDCI 424A  
Units: 1.5  
Hours: 3-0  
**Formerly:** EDUC 422, EDCI 422A

**Adaptation of Curriculum and Instructional Strategies (Language Arts)**  
The introduction of diagnosis and instruction for struggling learners in language arts with a focus on reading and writing and of curriculum and methodology of teaching English as a second language (ESL). Students will become familiar with materials and procedures helpful to supporting learners and alleviating literacy difficulties.  
**Note:** Credit will be granted for only one of 424A, EDUC 422, 422A.  
**Prerequisites:** ED-D 420 (formerly EDUC 420).  

#### EDCI 424B  
Units: 1.5  
Hours: 3-0  
**Formerly:** EDUC 422, EDCI 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 429

**Philosophy and Education**  
This course examines educational and social ideas in terms of their origins, developments, and meaning to teaching and learning. The major philosophical systems and ideologies that have shaped and continue to shape educational thought and practice are the focus of this course.  
**Note:** Credit will be granted for only one of 431, ED-B 420.  

#### EDCI 432  
Units: 3.0  
Hours: 3-0  
**Formerly:** ED-B 423

**History of Education**  
Using the lens of history, this course examines questions fundamental to understandings of educational thought and practice, including: What are the social and intellectual foundations of education and schooling? To what extent do schools reflect the social character of society? How do schools serve the purposes of the state? To whom do children belong? Is public schooling more than an historical experiment? Can schools serve effectively as instruments of social change? And, how have changing concepts of family and childhood shaped what schools do?  
**Note:** Credit will be granted for only one of 432, ED-B 423.  

#### EDCI 433  
Units: 3.0  
Hours: 3-0  
**Formerly:** ED-B 425

**Anthropology and Education**  
Theory and perspectives from cultural anthropology relevant to the processes of education and operations of schools.  
**Note:** Credit will be granted for only one of 433, ED-B 425.  

#### EDCI 434  
Units: 3.0  
Hours: 3-0  
**Formerly:** ED-B 427

**Sociology of Education**  
The application of theory and research in sociology to the exploration of the problems and dynamics of formal schooling, teaching and learning in contemporary Canadian society.  
**Note:** Credit will be granted for only one of 434, ED-B 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.  
**Corequisites:** For PDPP students, Professional Year is a corequisite.  
**Assistance teaching 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  Formerly: EDUC 430
Community, Culture and Environment: Overview & Framework
This course will encourage students to examine and critique the social and educational issues which present themselves to teachers in today's classrooms and to explore ways in which teachers can enact positive social change through their agency as cultural workers. Recognition of the importance of schools as agencies of socialization, and as sites for the reproduction of culture are key goals.
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).

EDCI 451  Units: 1.5  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  Formerly: EDUC 432
Cultural Studies in Education
Focuses on the school both as a community of learners and as a part of a larger community in a changing world. Topics of study will include different conceptions of community as they relate to education and learning, relations of power in school and community settings, gender roles, ethnicity, spirituality, traditions of conflict resolution, human rights, and the effects of global systems on local communities.
Note: Credit will be granted for only one of 452, EDUC 432.

EDCI 453  Units: 1.5  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  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; 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  Formerly: EDUC 435
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).
Grading: INC, COM, N or F

EDCI 457  Units: 1.5  Formerly: EDUC 438
English as a Second Language
A survey of curriculum and instruction designed to develop beginning competence for teaching English as a second language. There are three main themes: language instruction techniques, evaluation of the language and educational needs of ESL students, and developing sensitivity for the prior educational and cultural experiences of ESL students.

PREREQUISITES: EDCI 450 (formerly EDUC 430).

EDCI 458  Units: 1.5  Formerly: ED-E 444
Mathematics Instruction in the Elementary School
Teaching strategies; classroom organization; learning activities and settings; evaluation procedures; instructional materials, their function and use.
Note: Credit will be granted for only one of 458, ED-E 444.
Prerequisites: Professional Year.

EDCI 459  Units: 1.5  Formerly: ED-E 448
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  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  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  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  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 ap-
plied 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 understanding within the discipline of drama as well as serving as methodology across the curriculum.

Note: Credit will be granted for only one of 464, EDUC 444.

Prerequisites: EDCI 460 (formerly EDUC 440).

EDCI 465: Units: 1.5 Hours: 3-0
Formerly: EDUC 446
The Art of Mathematics
Mathematics is often erroneously viewed as the application of rote formulas to contrived exercises: a more informed view would see it as a language to describe the universe (Galileo), or as an art form to express abstract thought. This course will provide students with opportunities to explore the creative underpinnings of mathematics and its ubiquitous nature. Students will engage in non-routine problem-solving activities and develop an understanding and appreciation of alternate heuristics and ways of communicating mathematical thought.

Note: Credit will be granted for only one of 466, 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 curriculum development. The course will take an interdisciplinary approach and include teaching strategies for helping students clarify and resolve environmental issues. Selected field trips.

Note: Credit will be granted for only one of 468, ED-E 473.

EDCI 469: Units: 1.5
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.

Prerequisites: EDCI 460 (formerly EDUC 440); French 12 and 3.0 units of university level French or permission of the instructor.

EDCI 470: Units: 1.5 Hours: 3-0
Formerly: EDCI 449
Literacies and Expression: Professional Integration
This course will 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).

Grading: INP, COM, N or F

EDCI 472: Units: 1.5 Hours: 3-0
Formerly: ED-E 447
Mathematics, Science and Social Studies in Early Childhood Education
A survey of mathematics, science and social studies content, materials, methods suitable for children from ages three to six.

Note: Credit will be granted for only one of 472, ED-E 447.

Prerequisites: ED-B 440, EDCI 421 or consent of the instructor; Professional Year.

EDCI 480: Units: 1.5 or 3 Hours: 3-0
Formerly: ED-A 480, ED-B 480, ED-E 480
Contemporary Issues in Education - Curriculum and Instruction
Current topics and developments in education, with particular consideration of their relevance to the schools of British Columbia. This will be taught from an interdisciplinary approach.

Note: May be taken more than once for credit in a degree program with permission of the Education Advising Centre.

Prerequisites: EDCI 460, EDCI 421 or consent of the instructor; Professional Year.

EDCI 487: Units: 1.5 or 3 Hours: 3-0
Formerly: ED-A 487, ED-B 487, ED-E 487
Special Topics in Education
Topics of current interest or concern to groups of students.

Note: May be taken more than once for credit in a degree program with permission of the Education Advising Centre.

EDCI 494: Units: 1.5 each
Formerly: ED-A, ED-B, ED-E 494; ED-A, ED-B, ED-E 495
Directed Studies
Research project, directed reading, or additional course work in a specified area.

Notes:

494A - Art Education
494D - Drama Education
494G - Educational Technology
494K - Language Arts
494M - Music Education
494N - Teaching of History
494O - Teaching of Geography
494P - Social Studies
494Q - Diploma in Teacher-Librarianship
494R - Mathematics Education

494U - Outdoor Education
494X - Science Education

Notes:
- All students must obtain written approval from the Education Advising Centre before registering.
- Permission will not normally be given for more than 3 units of directed studies.

EDCI 495: Units: 1.5 each
Formerly: ED-A, ED-B, ED-E 494; ED-A, ED-B, ED-E 495
Directed Studies
Research project, directed reading, or additional course work in a specified area.

495A - Art Education
495D - Drama Education
495G - Educational Technology
495K - Language Arts
495M - Music Education
495N - Teaching of History
495O - Teaching of Geography
495P - Social Studies
495Q - Diploma in Teacher-Librarianship
495R - Mathematics Education

495U - Science Education

Notes:
- All students must obtain written approval from the Education Advising Centre before registering.
- Permission will not normally be given for more than 3 units of directed studies.

EDCI 499: Units: 0.5-3
Formerly: ED-A, ED-B and ED-E 499
Professional Development - Curriculum and Instruction
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 Education Advising Centre.

Grading: COM, N or F

Professional Studies

EDCI 706: Units: 1.5 Hours: 3-0
Formerly: ED-A 750
Curriculum and Instruction in Secondary School Art
Note: Credit will be granted for only one of 706, ED-A 750. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or have special permission of the Director, Secondary Teacher Education.

EDCI 716: Units: 1.5 Hours: 3-0
Formerly: ED-A 767
Curriculum and Instruction in Secondary School Theatre
Note: Credit will be granted for only one of 716, ED-A 767. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

EDCI 746: Units: 1.5 Hours: 3-0
Formerly: ED-B 754
Curriculum and Instruction in Secondary School French
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 Director, Secondary Teacher Education.
EDCI 747 Units: 1.5 Hours: 3-0
Formerly: ED-B 751
Curriculum and Instruction in Secondary School English
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 Director, Secondary 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, writing) and to familiarize students with current second language teaching approaches through the study of representative materials and techniques. Emphasis on practical classroom problems of teaching second languages.
Note: Credit will be granted for only one of 749, ED-B 756. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

EDCI 750 Units: 3.0 Hours: 2-0-1
Formerly: EDCI 757
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 750, ED-B 743.
Prerequisites: Acceptance in professional year.

EDCI 751 Units: 1.5 Hours: 3-0
Formerly: EDCI 756
Curriculum and Instruction in Secondary School Mathematics
Note: Credit will be granted for only one of 751, EDCI 761. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

EDCI 757 Units: 1.5 Hours: 3-0
Formerly: ED-E 761
Curriculum and Instruction in Secondary School Mathematics
Note: Credit will be granted for only one of 757, EDCI 761. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

EDCI 760 Units: 1.5 Hours: 3-2
Formerly: ENGR 150
Engineering Graphics
Basic principles of engineering drawing using Computer Aided Design and Drafting; orthographic projections; multiple view drawings; sectional views; electrical schematics; theory of projections for isometric, oblique and perspective pictorial views; computer representation of physical shapes; algorithms for 2-D and 3-D transformations; computation of surface characteristics for data visualization.
Note: Credit will be granted for only one of 200, ENGR 150, MECH 200.
Prerequisites: CSC 110 and MATH 133 or 233A.

EDCI 767 Units: 1.5 Hours: 3-0
Formerly: ED-E 769
Curriculum and Instruction in Secondary School Science
Note: Credit will be granted for only one of 767, EDCI 769. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.
- Students with teaching areas in biology, chemistry, or physics will enroll in this course.
ELEC 300 Units: 1.5 Hours: 3-1.5
Linear Circuits: II
Laplace transform analysis and matrix characterization of loop and node circuits. Design of controlled source circuits and ideal operational amplifiers. Feedback in design. Design of complex loads for maximum power transfer. Driving point and transfer function analysis with design for pole and zero placement in simple passive circuits and second order resonant responses, design for stability or oscillation in active circuits. Bode plots. Two-port parameters and their characteristics in terms of z, y, and p parameters.
Prerequisites: 260 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 260.

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 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.
Nanotechnology
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: 380, MECH 141 or 245, PHYS 122, and fourth-year standing.

ELEC 450 Units: 1.5 Hours: 3-1.5
Communications Theory and Systems: II
Transmission and filtering of random signals, analysis of modulation systems, in particular pulse code modulation, phase shift keying, frequency shift keying, etc., design of moderns and of CODECs, introduction to noise analysis, information theory and coding.
Prerequisites: 350 and fourth-year standing.

ELEC 452 Units: 1.5 Hours: 3-1.5
Fiber Optic Technology
Light and electromagnetic waves, dielectric slab waveguide, step-index fiber, graded index fiber, effects of dispersion, phase velocity, attenuation, LED (principles), principles of laser, semiconductor lasers, principles of semiconductor photodetectors, PIN photodiode, avalanche photodiode, electro-optic modulators, couplers, attenuators, isolators, switches, fiber optic systems.
Prerequisites: 340 and fourth-year standing.

ELEC 453 Units: 1.5 Hours: 3-0
Antennas and Propagation
Antenna and propagation fundamentals, Friis transmission formula, radar equation, Maxwell's equations for radiation problems, antenna parameters, simple radiators, array theory, mutual coupling, wire and broadband antennas, aperture radiators, scattering and diffraction, multipath propagation and fading, antenna measurement techniques, surface-wave and ionospheric propagation, microwave and millimeter-wave propagation.
Prerequisites: 404 and fourth-year standing.

ELEC 454 Units: 1.5 Hours: 3-1.5
Microwave Engineering
Circuit theory for waveguiding systems, scattering parameters, waveguide discontinuities, couplers, resonators, microwave filters, nonreciprocal devices, design of active microwave circuits.
Prerequisites: 404 and fourth-year standing.

ELEC 456 Units: 1.5 Hours: 3-0
Mobile Communications
Fading and shadowing, noise and interference effects; source coding, modulation, error control coding, spread spectrum and multiplexing techniques for mobile communications; capacity estimation and comparative (FDMA/TDMA/CDMA) analysis of PCN and Cellular Systems; capacity estimation for wireless PBAX and LAN systems.
Prerequisites: 450 and fourth-year standing.

ELEC 459 Units: 1.5 Hours: 3-1.5
Digital Signal Processing: III
Prerequisites: 407 and fourth-year standing.

ELEC 460 Units: 1.5 Hours: 3-0
Control Theory and Systems: II
Prerequisites: 360 or MECH 435, and fourth-year standing.

ELEC 466 Units: 1.5 Hours: 3-1.5
System-on-Chip Engineering for Signal Processing
Design and System-on-Chip (SOC) implementation for signal processing applications. SOC design and testing methodologies, Platform-based design, Intellectual Property (IP) reuse, and built-in self-test. Controlling power consumption in SOC implementations. SOC multi-technology integration of analog and digital electronics, sensors and MEMS.
Prerequisites: CENG 355 or MECH 405 or CSC 355; ELEC 410 or MECH 435 and MECH 455, and fourth-year standing.

ELEC 481 Units: 1.5 Hours: 3-0
Analogue VLSI Systems
Review of IC technologies, device models and design concepts. Design of monolithic op amps, regulators, multipliers, oscillators, PLLs, A/D and D/A converters and other non-linear and high-speed ICs. Study and design of integrated filters, switched-capacitor circuits, CD/Ds and other sampled data circuits. Design and applications of analog neural network and other analog digital LSI.
Prerequisites: 320 and 380, and fourth-year standing.

ELEC 482 Units: 1.5 Hours: 3-0
Electrical Drive Systems
Elements of drive systems, characterization of mechanical loads, requirements of electrical drive systems, dynamic equations and modelling of electrical machines, dc drives with various dc power sources, induction motor drives, ac controller, slip-speed recovery, constant air-gap flux, synchronous motor drives, permanent magnet motors, reluctance motors.
Prerequisites: 365 or 370, and fourth-year standing.

ELEC 482 Units: 1.5 Hours: 3-0
Digital Video Processing: Algorithms and Applications in Media
Representation of digital video. Image formation models. Spatio-temporal sampling and sampling structure conversion. Two- and three-dimensional motion esti-
<table>
<thead>
<tr>
<th>COURSE LISTINGS</th>
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<tbody>
<tr>
<td><strong>ENGL</strong> English</td>
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<tr>
<td><strong>Department of English</strong></td>
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<tr>
<td><strong>Faculty of Humanities</strong></td>
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<tr>
<td><strong>ENGL 099</strong> Units: 0 Hours: 3-0</td>
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<tr>
<td>Remedial English Composition</td>
</tr>
<tr>
<td>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 136.</td>
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<tr>
<td><strong>Note:</strong> 3 fee units.</td>
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<tr>
<td><strong>Grading:</strong> COM, N or F</td>
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<tr>
<td><strong>ENGL 115</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>University Writing</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td><strong>Prerequisites:</strong> Qualifying score on LPI.</td>
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<tr>
<td><strong>ENGL 125</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Poetry and Short Fiction</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 125, 116, 122.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> English 12 class grade, qualifying score on LPI or 1.5 units of English.</td>
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<tr>
<td><strong>ENGL 135</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Academic Reading and Writing</td>
</tr>
<tr>
<td>Practice of skills needed for successful academic writing in a variety of subject areas. Analysis of rhetorical, stylistic, revision and documentation techniques; development of these techniques through practical writing assignments. Balance of lectures and discussion.</td>
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<tr>
<td><strong>Prerequisites:</strong> English 12 class grade, qualifying score on LPI or 1.5 units of English.</td>
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<tr>
<td><strong>ENGL 145</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Drama and the Novel</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 145, 116, 122.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> English 12 class grade, qualifying score on LPI or 1.5 units of English.</td>
</tr>
<tr>
<td><strong>ENGL 200A</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Formerly: part of 200</td>
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<tr>
<td>Medieval and Renaissance Literature</td>
</tr>
<tr>
<td>A study of major works of the Middle Ages and Renaissance. Subjects may include the development of English as a literary language, the social structures of feudalism, women and spirituality, the cultural upheavals caused by the Reformation, the scientific revolution, and the English civil war. Readings in medieval drama, medieval devotional prose, and works by Chaucer, Langland, the Gawain poet, Spenser, Marlowe, Shakespeare, Donne, or Milton.</td>
</tr>
<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 200A, 150, 200.</td>
</tr>
<tr>
<td><strong>ENGL 200B</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Formerly: part of 200</td>
</tr>
<tr>
<td>Augustan and Romantic Literature</td>
</tr>
<tr>
<td>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 Austin.</td>
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<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 200B, 151, 200.</td>
</tr>
<tr>
<td><strong>ENGL 200C</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Victorian and Edwardian Literature</td>
</tr>
<tr>
<td>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 Brontës, Dickens, Tennyson, the Brookmans, 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.</td>
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<tr>
<td><strong>ENGL 201</strong> Units: 1.5, formerly 3 Hours: 3-0</td>
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<tr>
<td>Introduction to Modern Literature</td>
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<tr>
<td>Fiction, poetry and drama in 20th-century literature from a transnational perspective; themes which address contemporary issues across national boundaries, such as the commodification of society, the fragmentation of the self, or gender and minority issues; authors may include W.B. Yeats, James Joyce, T.S. Eliot, or Virginia Woolf.</td>
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<tr>
<td><strong>ENGL 202</strong> Units: 1.5, formerly 3 Hours: 3-0</td>
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<tr>
<td>Introduction to Canadian Literature</td>
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<tr>
<td>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.</td>
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<tr>
<td><strong>ENGL 203</strong> Units: 1.5, formerly 3 Hours: 3-0</td>
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<tr>
<td>Introduction to American Literature</td>
</tr>
<tr>
<td>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, Wall Whitman, Emily Dickinson, Mark Twain, William Faulkner, Ezra Pound, Robert Frost, Langston Hughes, or Toni Morrison.</td>
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<tr>
<td><strong>ENGL 207</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Introduction to Cultural Studies</td>
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<tr>
<td>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.</td>
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<tr>
<td><strong>ENGL 208</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Introduction to Women’s Writing</td>
</tr>
<tr>
<td>A study of feminist issues in women’s literature; coverage of various periods, genres, and theoretical approaches. Readings may include authors such as Margaret Kempe, Aphra Behn, Jane Austen, Emily Dickinson, Margaret Atwood, and Angela Carter.</td>
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<tr>
<td><strong>ENGL 209</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Introduction to Literary Interpretation</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td><strong>ENGL 215</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>The Writing of Expository Prose</td>
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<tr>
<td>This course pays attention to the styles and methods of nonfiction prose writing. It focuses on the development and critical analysis of the student’s own writing through numerous and extensive written assignments and through the study of the techniques employed by other writers. The course is open to all students, but is of special relevance to those going into the teaching profession.</td>
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<tr>
<td><strong>Prerequisites:</strong> A minimum average grade of B- (4.0) in 3 units of first-year English, or permission of the Director of Writing.</td>
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<tr>
<td><strong>ENGL 225</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Technical Communications: Written and Verbal</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td><strong>Prerequisites:</strong> 3 units of first-year English or permission of the Department.</td>
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<tr>
<td><strong>ENGL 250</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Contexts of Literature</td>
</tr>
<tr>
<td>This course is an introduction to the relationships between literature and other aspects of our culture.</td>
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<tr>
<td><strong>Notes:</strong> - 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.</td>
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<tr>
<td><strong>Prerequisites:</strong> 3 units of first-year English.</td>
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<tr>
<td><strong>ENGL 301</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Report Writing</td>
</tr>
<tr>
<td>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, de- scriptions, writing for general audiences.</td>
</tr>
<tr>
<td><strong>Notes:</strong> - Credit will be granted for only one of 301, 225, 226, 240, ENGR 240. - May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215.</td>
</tr>
</tbody>
</table>
ENGL 302 Units: 1.5 Hours: 3-0
Government Writing
Essential skills of government writing, particularly usability, style and structure. Technology as part of the research, writing, revision, and presentation processes. Policy, operation manuals, reports, writing for the general public, media releases.
Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 215, 225; ENGR 240.

ENGL 303 Units: 1.5 Hours: 3-0
Formerly: 216
Copy Editing for Professional Writers
Intermediate copy editing and preparing print and electronic manuscripts. Topics include editing of style, grammar, mechanics, graphics, and document design. Manuscripts on a range of topics, including natural and social sciences, the arts and humanities, and business and technology; use of computer applications.
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 310 Units: 3.0 Hours: 3-0
Formerly: 345
Practical Criticism
A seminar designed to enhance 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. Perspectve 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.
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 340 Units: 1.5 Hours: 3-0
Introduction to Old English
An introduction to the language, culture, and literature of Anglo-Saxon England, including the study of prose texts and poetry.
Prerequisites: 340, 441, 442.

ENGL 351 Units: 1.5 Hours: 3-0
Old Icelandic Literature
A study of Beowulf and other Old English texts.
Prerequisites: 340, 441, 443.

ENGL 345 Units: 1.5 Hours: 3-0
Introduction to Old Icelandic
An introduction to the Old Icelandic language and to the poems and stories, the Eddas and the Sagas, that preserves.

ENGL 347 Units: 1.5 Hours: 3-0
Formerly: 356
Old Icelandic Literature
A study of Hrafnkel Saga, Bandmanns Saga, Hervarar Saga and Heidrekss, and selected Eddic poems.
Prerequisites: 346 or permission of the instructor.

ENGL 351 Units: 1.5 Hours: 3-0
Canterbury Tales
An introductory study of Chaucer's poetry focusing specifically on the Canterbury Tales.

ENGL 352 Units: 1.5 Hours: 3-0
Chaucer and His Contemporaries
The important works of Chaucer outside the Canterbury Tales, primarily Troilus and Criseyde, and a selection from his dream visions and lyrics. Other medieval authors may be studied to illuminate the medieval literary traditions in which Chaucer was writing, or which he later influenced.
Prerequisites: 351 or permission of the instructor.

ENGL 353 Units: 1.5 Hours: 3-0
Studies in Medieval English Literature
A study of the major literary works and genres of the medieval period (excluding Chaucer). The course will centre on specific genres (romance, drama, lyric, etc.), at the discretion of the instructor, with annual advertisement.
Note: This is a variable content course.

ENGL 354 Units: 1.5 Hours: 3-0
Old and Middle English Literature in Translation
A survey of English literary texts of the Middle Ages; selections will range from Beowulf to medieval lyrics, morality plays, and romances, as well as major works by the Gawain poet, Langland, and the Scots poets. The survey does not include Chaucer.

ENGL 357 Units: 1.5 Hours: 3-0
The Poetry of the Alliterative Revival
Various works within the tradition of Middle English alliterative writings such as Langland’s Piers Plowman, Sir Gawain and the Green Knight, Pearl, The Alliterative Morte Arthur, Winner and Waster, and other related works in both verse and prose.

ENGL 359 Units: 1.5 Hours: 3-0
Sixteenth-Century Poetry and Prose
Major non-dramatic texts of the period, such as More’s Utopia, Sidney’s Defense of Poetry, Bacon’s Essays; lyrics by Sidney, Shakespeare, and other Elizabethans; and a substantial selection from Spenser’s Faerie Queene.

ENGL 360 Units: 1.5 Hours: 3-0
Special Studies in Shakespeare
This is a variable content course.

ENGL 367 Units: 1.5 Hours: 3-0
Shakespeare: Comedy, Problem Plays, and Romances
A study of Shakespeare’s comic 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.

ENGL 366A 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.

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.

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 Richard II, Henry IV, Henry V, Hamlet, King Lear, Othello, Macbeth, and Antony and Cleopatra.

ENGL 366D Units: 1.5 Hours: 3-0
Formerly: part of 366 and 366A
Shakespeare: Comedies, Problem Plays, and Romances
Study of such plays as Richard II, Henry IV, Henry V, Hamlet, King Lear, Othello, Macbeth, and Antony and Cleopatra.

ENGL 368 Units: 1.5 Hours: 3-0
Shakespeare: Individual Studies: Histories and Tragedies
A version of 366B, in which students will study a wide range of Shakespeare’s plays and poems in their own time; in addition, there will be tutorials and work in computer labs.

ENGL 366E Units: 1.5 Hours: 0-0-1
Formerly: part of 366 and 366A
Shakespeare: Individual Studies: Histories and Tragedies
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.

ENGL 369 Units: 1.5 Hours: 3-0
Milton: Major Poetry and Selected Prose
A study of Paradise Lost, Samson Agonistes, and other poems and prose.
ENGL 372  Units: 1.5  Hours: 3-0
Special Studies in 18th Century Literature
A study of a major aspect of literature in the century. The specific focus of the course will be determined by the instructor and advertised annually.
This year: The 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: 3-0
Johnson, Blake and the Later 18th Century
A preliminary account of English neoclassicism followed by a study of literature of the Age of Sensibility with special emphasis on Samuel Johnson and his circle and on William Blake.

ENGL 376A  Units: 1.5  Hours: 3-0
Formerly: part of 376 and 423
The Beginning of the English Novel: 1660-1750
A study of the development of the English novel in this period, with some attention to social and intellectual backgrounds when these appear to illuminate the novels.
Note: Credit will be granted for only one of 376A, 376, 423.

ENGL 376B  Units: 1.5  Hours: 3-0
Formerly: part of 376 and 423
The English Novel: 1750 to the Early 19th Century
A study of the development of the English novel in this period, with some attention to social and intellectual backgrounds when these appear to illuminate the novels.
Note: Credit will be granted for only one of 376B, 376, 423.

ENGL 379  Units: 1.5  Hours: 3-0
Formerly: part of 384
British Fiction and Non-Fiction of the Early 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 poetry, with emphasis on topics such as historiography, medievalism, imperialism, orientalism, decadence, construction of gender, the relations between the sexes, the rise of science, and the decline of faith.

ENGL 387  Units: 1.5  Hours: 3-0
Victorian Culture and Thought
A study of the Victorian prose essay, both as a specific literary genre with its own methods and literary techniques, and as a vehicle for cultural criticism. Authors to be studied include Carlyle, Arnold, Marx, Mill, Martineau, Newman, Ruskin, Cobbe, Pater, Wilde and Laird. Topics include the rise of democracy, the nature of race, the function of the critic, the role of the university, the woman question, consumerism, masculinity, socialism, aestheticism, and decadence.

ENGL 388  Units: 1.5  Hours: 3-0
Special Studies in 20th Century British Literature
A study of a specific theme, problem or author of the period. The specific topic will be determined by the instructor and advertised annually.

ENGL 389  Units: 1.5  Hours: 3-0
Special Studies in Literary Genre
A variable content course which focuses on a specific Literary Genre irrespective of geographic and political boundaries.
This year: James Joyce's Ulysses
The most influential novel of the 20th century; course analyses whole novel in depth; various theoretical approaches, including Marxist, post-colonial, feminist, and Derridean; above all, its humane attitude to the human comedy.
Notes: - Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.
- A seminar course limited to 20 students.

ENGL 392  Units: 1.5  Hours: 3-0
Studies in a Major Figure
A study of the works of a single literary figure.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 393  Units: 1.5  Hours: 3-0
Myth and Literature
A variable content course which studies texts that develop ideas of myth.
This year: Myth, Gender, and Spirituality: Goddesses in Literature, 1860-2000
Concepts of female deity in fiction and poetry ranging from the Pre-Raphaelite period to the present. Goddesses represented diversely as embodiment of disorderly psychological forces in Pre-Raphaelite literature; Moderna in revived Marian devotion; free-thinkers' weapon against Christianity; Muse and embodiment of a regenerating society in Modernist poetry and fiction; figure for the psyche in early contemporary confessional poetry; ecofeminist symbol; and focus for contemporary women's spirituality movement.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 394  Units: 1.5  Hours: 3-0
Thematic Approaches to Literature
A variable content course which focuses on a specific literary theme in a variety of texts.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 395  Units: 1.5  Hours: 3-0
Special Topics in Cultural Studies
Study of topics based in popular and/or high culture; may include popular fictions, films, and a variety of texts, linking them to wider social signifying practices.
This year: Literature by the First Peoples of Canada and the United States
Focus on writing by aboriginal and indigenous authors. Considers key terms such as “First Nations.”
“Metis,” “Indian,” and “Native American” as categories of race and ethnic identity in order to understand the relationship between Aboriginal/Indigenous writing and politics. Explores how these terms represent sites of contestation and appropriation by Aboriginal/Indigenous writers. Topics include First Nations and American Indian literary activism; tribal versus identity politics; oral tradition as philosophical context versus oral tradition as literary innovation.

**ENGL 400** Units: 1.5  Hours: 3-0  **Advanced Workshop in Composition**

The course will offer workshops in general and specialized kinds of writing. Different sections will concentrate on such problems as stylistics, modern theories of grammar, technical writing, business writing, preparation of briefs and reports. The topic for each section will be announced annually.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 401** Units: 1.5  Hours: 3-0  **Web Design**

Writing delivered via the World Wide Web with emphasis on usability testing. Techniques and tools for producing Web pages and sites, including page and site design, navigation, frames, DHTML, annotation, style sheets, JavaScript, rich media.

**Note:** May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.

**Prerequisites:** A minimum average grade of B- (4.0) in 3 units of first-year English, or permission of the instructor.

**ENGL 402** Units: 1.5  Hours: 3-0  **Children’s Literature**

The study of a selection of works drawn from various genres and periods of children’s literature, including novel, folk tale, myth, fantasy and picture book.

**Note:** Credit will be granted for only one of 402, EDCI 347A.

**ENGL 403** Units: 1.5  Hours: 3-0  **Literary Approaches to Childhood and Adolescence**

The course explores literary works, mainly of the 20th century, that dramatize adult attitudes to children and the behaviour of young persons during childhood and adolescence in the context of relevant theories concerning child development. The approach is cross-cultural. Supplementary film or other material will be used as available.

**Note:** Credit will be granted for only one of 403, 302.

**ENGL 404** Units: 1.5  Hours: 3-0  **Special Studies in Children’s Literature**

A study of a special topic in children’s literature. The specific topic will be determined by the instructor and advertised appropriately.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 406** Units: 1.5  Hours: 3-0  **Special Studies in Professional Writing**

This is a variable content course, offered according to the interests and needs of students and faculty. This year: The Electronic Document

A hands-on investigation into the ideas and techniques of electronic documents, rethinking the traditional, two-dimensional static versions that professional and technical writers must routinely produce. Throughout, the goal is responding more usefully to the shifting needs of readers. Students will produce three projects, all delivered via the Web and using standard plug-ins like Flash and QuickTime. Evaluation consists of three projects and class exercises.

**Prerequisites:** 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ENGR 240.

**ENGL 407** Units: 1.5  Hours: 3-0  **Computer-Mediated Communication**

A critical examination of cultural, social and economic processes underlying Computer Mediated Communication (CMC). Assessment of CMC applications such as e-mail, Intranet, personal and commercial PCS systems, and a range of WWW applications and uses. Production 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.

**ENGL 408** Units: 1.5  Hours: 3-0  **Web-Based Documentation**

Basic principles of creating Web-based documentation, including task and audience analysis, usability, interactivity, and rich media.

**Notes:** Credit will be granted for only one of 408, 406 if 406 taken in the same topic.

**ENGL 409** Units: 1.5  Hours: 3-0  **The Bible in English**

A course in the Bible as Literature, surveying basic books of the Old and New Testaments, such as Genesis, Deuteronomy, Job, Song of Songs, Psalms, selected Wisdom Literature, Isaiah, selected minor prophets, Matthew, John, Acts, selected Pauline epistles, Hebrews and Revelation. Attention will be paid to the historical influence of the English Bible on the style and structure of English literature, as well as to the intrinsic literary features of the Biblical books themselves.

**Note:** Credit will be granted for only one of 409 and 365 if 365 taken prior to 1983. Not applicable as Renaissance credit for Major and Honours students.

**ENGL 410** Units: 3.0  Hours: 3-0  **Backgrounds to English Literary Traditions**

A study of intellectual backgrounds to Medieval and Renaissance literature; the contribution of Greek and Biblical materials in the formation of literary commonplaces and critical vocabularies. Among authors and topics that may be studied are Homer, Plato, Aristotle, Biblical writers, Vergil, Patristic theology, and the impact of Renaissance Humanism on the deployment of literary commonplaces and literary critical practice.

**Note:** Credit will not be granted for 410 and 410A, 410B.

**ENGL 412** Units: 1.5  Hours: 3-0  **Computer-Assisted Research and Reporting**

Workshop introducing spreadsheets and databases for more effective online research and writing. Topics include: contextualizing data and developing articles and proposals from online sources; mapping software; guidelines for researching on the Internet.

**Note:** May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.

**Prerequisites:** 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ENGR 240.

**ENGL 413** Units: 1.5  Hours: 3-0  **Studies in Film and Literature**

A study of various relationships between the art of film and relevant literary works. Topics will vary and will be announced annually.

This year: Joan of Arc in History, Literature, and Film

An exploration of some of the many attempts to capture the life of Joan of Arc on the stage and screen. Texts will include transcripts of her trial and works by Twain, Shaw, Anouilh, Anderson, Brecht. Films will include works directed by Dreyer, Fleming, Preminger, Rivette, Besson. Topics will include the relationship between film and literature, and the treatment of female sanctity in post-Christian culture.

**Notes:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

- A seminar course limited to 20 students.

**ENGL 414A** Units: 1.5  Hours: 3-0  Formerly: part of 414  **American Film to 1945**

A study of major accomplishments in American film concentrating primarily on films to 1945. The course will consider film as both a narrative form and a means of reflecting social concerns.

**Note:** Credit will be granted for only one of 414A, 414.

**ENGL 414B** Units: 1.5  Hours: 3-0  Formerly: part of 414  **American Film Since 1945**

A study of major accomplishments in American film concentrating primarily on films since 1945. The course will consider film as both a narrative form and a means of reflecting social concerns.

**Note:** Credit will be granted for only one of 414B, 414.

**ENGL 415** Units: 1.5  Hours: 3-0  **Special Studies in Film**

Variable content course.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 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.

**Note:** Credit will be granted for only one of 425, 380. Topic is announced each year. May be taken more
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<th>Course Code</th>
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<tr>
<td>ENGL 426</td>
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<td>Studies in North American Literature</td>
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<td>ENGL 427</td>
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<td>Nineteenth-Century American Literature</td>
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<td>ENGL 428A</td>
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<td>Formerly: part of 428 19th Century American Fiction: I</td>
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<td>ENGL 429A</td>
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<td>Formerly: part of 429 20th Century American Fiction to World War II</td>
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<td>ENGL 429B</td>
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<td>ENGL 430</td>
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<td>American Poetry: 1910-1950</td>
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<td>ENGL 431</td>
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<td>The History of the English Language</td>
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<td>ENGL 431B</td>
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<td>Modern Drama to World War II</td>
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<td>ENGL 432A</td>
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<td>American Poetry: 1950-1975</td>
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<td>ENGL 432B</td>
<td>1.5</td>
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<td>American Poetry: From 1975 to the Present Day</td>
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<td>ENGL 433</td>
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<td>Modern Anglo-Irish Literature</td>
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<td>ENGL 434</td>
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<td>British Poetry from 1914 to the Present Day</td>
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<td>ENGL 435</td>
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<td>20th Century British Fiction to World War II</td>
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<td>ENGL 436A</td>
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<td>20th Century British Fiction after World War II</td>
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<td>ENGL 436B</td>
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<td>American Poetry: 1910-1950</td>
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<td>ENGL 437A</td>
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<td>Modern Drama Since World War II</td>
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<td>ENGL 438</td>
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<td>ENGL 439A</td>
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<td>Special Studies in Postcolonial Literatures</td>
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<td>ENGL 439B</td>
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<td>Special Studies in Postcolonial Literatures</td>
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Note: Students are urged to form their own judgments with little reference to the works of critics. Authors may include Evelyn Waugh, Kingsley Amis, Raymond Williams, Anthony Burgess, Graham Greene, John Fowles, Margaret Drabble, Iris Murdoch, William Golding, Ian McEwan, Fay Weldon, Martin Amis, Pat Barker.

Note: Credit will be granted for only one of 436B, 436.
tions of primary importance to an understanding of English literature.

ENGL 448  Units: 1.5  Hours: 3-0
Special Studies in Canadian Literature
A study of a major theme, problem, genre or author in Canadian Literature, determined by the instructor and advertised annually.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 449  Units: 1.5  Hours: 3-0
Special Studies in Contemporary Literature
A study of significant literary works published during the past 15 years. The course will focus on themes and issues engaged by authors from throughout the English-speaking world.
This year: Engagement with History in Recent Gay Fiction
A study of recent gay fiction from England, Ireland, Canada and the United States, exploring gay writers’ strategies for engaging with history.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 450  Units: 1.5  Hours: 3-0
Modern Canadian Fiction: I
A study of important Canadian authors who came to prominence in the two decades following World War II; major figures considered may include Hugh MacLennan, Mordecai Richler, Ernest Buckler, Robertson Davies, and Margaret Laurence. Some attention will also be paid to the development of the short story in these years.

ENGL 451  Units: 1.5  Hours: 3-0
Modern Canadian Fiction: II
A study of Canadian novelists and short story writers who have achieved recognition in recent years; major figures considered may include Margaret Atwood, Alice Munro, Robert Kroetsch, Rudy Wiebe, and Jack Hodgins.

ENGL 452  Units: 1.5  Hours: 3-0
Formerly: part of 397
Modern Canadian Poetry: I
A study of an important Canadian poets who came to prominence in the two decades following World War II; major figures considered may include F.R. Scott, Dorothy Livesay, Earle Birney, Irving Layton, Leonard Cohen, and PK. Page.
Note: Credit will be granted for only one of 452, 397.

ENGL 453  Units: 1.5  Hours: 3-0
Formerly: part of 397
Modern Canadian Poetry: II
A study of Canadian poets who have achieved recognition in recent years; major figures considered may include Phyllis Webb, Al Purdy, Margaret Atwood, and Michael Ondaatje.
Note: Credit will be granted for only one of 453, 397.

ENGL 454  Units: 1.5  Hours: 3-0
Early Canadian Poetry
A study of Canadian poetry from its beginnings to the Augustan Age; poets to be studied may include Goldsmith, Roberts, Lampman, D.C. Scott, Crawford, Pickthall and Johnson.

ENGL 455  Units: 1.5  Hours: 3-0
Contemporary Canadian Fiction and Poetry
A study of contemporary Canadian fiction and poetry; postmodernism, gender issues and identity questions. Readings may include Margaret Atwood, George Bowering, Joy Kogawa, Lee Maracle, Timo-

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 Allardale Grainger, Emily Carr.

ENGL 457  Units: 1.5  Hours: 3-0
 Traditions in Canadian Literature
A study of Canadian poetry, fiction and criticism in relation to the interdisciplinary construction of the Canadian literary “canon” and Canadian “identity”; the emergence of First Nations, feminist and ethnic Canadian literatures and the challenges they have posed to the Canadian literary tradition; the role of the Canadian cultural industries and cultural policies in the production and reception of Canadian literature.

ENGL 458  Units: 1.5  Hours: 3-0
Comparative Studies in Contemporary French and English Canadian Literature
An introduction to the comparative study of contemporary Canadian Literature in both official languages. Classes will be conducted in English; readings and assignments can be done in either language. However, students taking a Combined Major in Canadian Literature must read the texts in the original.
Note: Credit will be granted for only one of 458, FREN 487.

ENGL 459  Units: 1.5  Hours: 3-0
Early Canadian Prose
A study of English Canadian prose literature from its beginnings to the early twentieth century. Main focus will be on the development of the novel, but attention will also be paid to the short story and non-fiction prose.
Authors may include John Richardson, William Kirby, Susanna Moodie, Sara Jeannette Duncan, F.P. Grove, Martha Ostenso, Morley Callaghan, Sinclair Ross, and Howard O’Hagan.

ENGL 460  Units: 1.5  Hours: 3-0
Formerly: 446
History of Critical Theory
A seminar in the history of critical theory, with a study of its relation in practice to specific genres and styles.
Note: Credit will be granted for only one of 460, 446.

ENGL 461  Units: 1.5  Hours: 3-0
Introduction to Contemporary Literary Theory
Literary theory studies what literature is, how it functions, and how it produces meaning. On the one hand, literary theory illuminates the norms, conventions, and rules that make literature possible. On the other hand, literary theory reflects on the function and meaning of criticism itself. Students will become familiar with such theories as New Criticism, Structuralism, Psychoanalytic theory, Hermeneutics, Deconstruction, Marxist Criticism, and Feminist Criticism; they will then be able to work with theoretical concepts, issues, and terminology.
Note: Credit will not be given for both 461 and any of 447, 467, and 468.

ENGL 462  Units: 1.5  Hours: 3-0
Studies in Modern Critical Theory
A study of selected topics in modern literary theory and criticism. The specific topic will be advertised annually.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 463  Units: 1.5  Hours: 3-0
Studies of Women and Critical Theory
A variable content course on issues relating to women in the context of different theoretical approaches.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 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, T.V., 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
Varieties of literary and critical theory from the first half of the twentieth century, examining the theories in themselves and considering how they emerged from their historical matrices. Also theoretical developments on continental Europe, such as Russian Formalism and the Marxist tradition of literary analysis.

ENGL 468  Units: 1.5  Hours: 3-0
Honours Seminar: Late Twentieth-Century Literary Theory
Literary and critical theory in the latter part of the twentieth century, covering poststructuralist strategies (in deconstruction, psychoanalysis, new historicism, and feminism) and the “politicization of aesthetics” (in neo-Marxist theory, postcolonialism, gender studies and cultural studies). Literary texts in relation to capitalist, patriarchal, Eurocentric, and heteronormative discourses.
Prerequisites: 467.

ENGL 470  Units: 1.5  Hours: 3-0
Women’s Literary Traditions
A variable content course which explores the role of women writers in any area of literary history; it may examine specific genres or themes used by women authors.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 471  Units: 1.5  Hours: 3-0
Women and Literature
A variable content course involving texts by and about women, and examining feminist perspectives on literature.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 472  Units: 1.5  Hours: 3-0
Gender Issues in Literature
A variable content course on a range of theories about the construction of sexual and gender identities (such as masculinity and femininity).
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 473  Units: 1.5  Hours: 3-0
Women Writers in English From the Medieval to the Augustan Age
An examination of early women writers’ responses to major literary genres; social, political, and spiritual
issues; interaction with recognized male writers; distinctive literary traditions and relationships.

**Prerequisites:** Strongly recommended: 150/151, 200 or 200A/200B; students without these courses should obtain the instructor’s advice about background reading before the course begins.

**ENGL 474** Units: 1.5 Hours: 3-0

**Women Writers From the Age of Sensibility to the Victorian Era**

An examination of women writers from Burney to Eliot; major literary genres; social, political, and spiritual issues; interaction with male writers; formation of distinctive literary traditions and relationships.

**Prerequisites:** Strongly recommended: 150/151, 200 or 200A/200B; students without these courses should obtain the instructor’s advice about background reading before the course begins.

**ENGL 490** Units: 1.5 Hours: 3-0

**Directed Reading in English**

A specified reading project for Honours students to be determined by the student and the instructor; written assignments will be required. Students registering for this course must obtain the approval of the individual instructor, the Director of Honours, and the Chair of the Department.

**Note:** ENGL 490 is a tutorial intended primarily for students in the Honours Program, and must be approved by the Director of Honours and the Chair of the Department. Please consult Department policy on "Directed Reading" in the General Information section.

**ENGL 491** Units: 1.5 Hours: 3-0

**Directed Reading in English**

Further supervised study in some area of English literature; written assignments will be required.

**Note:** Credit will be granted for only one of 491, 490 if 490 taken for 3 units in 1976-77. ENGL 491 is a tutorial intended primarily for students in the Honours Program. Students registering for this course must first obtain the approval of the individual instructor, the Director of Major Programs or the Director of Honours Programs, and the Chair of the Department. Please consult Department policy on "Directed Reading" in the General Information section.

**ENGL 492** Units: 1.5 Hours: 3-0

**Directed Reading: Advanced Topics in Professional Writing**

A specific writing project in some area of Professional Writing to be determined by the student and the instructor. Students registering for this course must first have the approval of the instructor, the Director of the Professional Writing Program, and the Chair of the Department.

**Note:** Where content differs, this course may be taken more than once for credit, to a maximum of 3 units.

**Prerequisites:** 3 units from ENGL 401, 406, 407, 408 and 412.

May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.

**ENGL 499** Units: 1.5 Hours: 0-0-2

**Graduating Essay in Honours**

The graduating essay will be done under the guidance of an individual tutor assigned in Third and Fourth years.

**Prerequisites:** Honours standing in fourth year.

**ENGR**

**Engineering Faculty of Engineering**

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), CSC (Computer Science), ELEC (Electrical Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

**ENGR 020** Units: 0 Hours: 1-0

**Introduction to Professional Practice**

Awareness of the role and responsibilities of Professional Engineers in society with respect to the environment, ethics, equity, public and worker safety and health considerations. Introduction to technical and other forms of work term and/or work experience report preparation, understanding national and international placement standards, WCB standards, engineering logbooks. Development of effective interview techniques, skill assessment and analysis, project management and development. Preparation of resumes and cover letters.

**Pre- or corequisites:** 240

**Grading:** COM, E, F or N

**ENGR 240** Units: 1.5 Hours: 3-0

**Technical Writing**

This course will focus on searching and referencing methods used in dealing with scientific and technical literature and on the characteristics of effective technical and scientific style. The emphasis throughout will be on clarity, precision, and consistency. Students will acquire practical experience in the writing of short technical documents such as memoranda, letters and abstracts, longer forms such as reports, papers, and theses, and instructional forms such as manuals, brochures, and specifications.

**Note:** Credit will be granted for only one of 240, ENGL 225, ENGL 226, ENGL 240.

**Prerequisites:** ENGL 115 or 135.

**ENGR 280** Units: 1.5 Hours: 3-0

**Engineering Economics**


**Prerequisites:** MATH 133 or 233A

**Pre- or corequisites:** STAT 254 or 260

**ENGR 297** Units: 1.5 Hours: 3-0

**Technology and Society**

This course introduces the student to the effects of technology on society. The ethical, environmental, cultural, social, economic and political issues raised by technological change will be emphasized. The concepts of sustainable development and environmental stewardship will be discussed.

**Prerequisites:** ENGR 240 or ENGR 225 or 240.

**ENGR 446** Units: 1.0

**Technical Report**

A major technical report demonstrating written communication and analytical skills. The report topic must be approved by the Engineering Co-op Programs Manager at least two months prior to submission. Work Term Report Guidelines in effect at the time of registration govern report style and format. Students must register in this course in the term preceding the final term of their program (academic or work term) and the report must be submitted to the Engineering Co-op Office by the first day of classes in the final academic term of the student’s program.

**Prerequisites:** 240.

**ENGR 466** Units: 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 Mechatronic/Embedded System for a specified industrial application. The objective of the project will be to develop and test a full or partial prototype.

**Note:** Open only to students in an MES option or program.

**ENGR 498** Units: 1.5 Hours: 3-0

**Engineering Law**

Sources and classification of law; professional engineering legislation, registration and discipline; introduction to tort law including negligence; introduction to contract law including employment law. Ethics in professional practice.

**Prerequisites:** Completion of terms 1A to 1B.

**ENT**

**Entrepreneurship Faculty of Business**

Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), HOS (Hospitality), HSM (Hospitality Service Management), IB (International Business), MBA (Master’s of Business Administration).

**ENT 402** Units: 1.5 Hours: 3-0

**Formerly: ENT 302 Entrepreneurship and Small Business For The Non-Specialist**

The impact of entrepreneurship and the function of the entrepreneur in new venture creation. A framework is developed which incorporates marketing feasibility studies and financial analysis into a comprehensive business plan. The business venture is examined with respect to financial planning, marketing, management, and tax decisions at the various stages of the business life cycle.

**Note:** Credit will be granted for only one of 402, 302. Enrollment limited to students outside the Entrepreneurship area of concentration.

**Prerequisites:** COM 220 and COM 250, or COM 321 and COM 351, and fourth-year standing or permission of the Program Director.

**ENT 410** Units: 1.5 Hours: 3-0

**Venture Marketing Expertise (Promise Skills)**

As part of the integrated Entrepreneurship Core Semester, this course material is designed to help students 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.
Acquiring Expert Venture Cognitions

As part of the integrated Entrepreneurship Core Semester, this course is designed to provide an overarching conceptual framework within which to integrate the other course materials that students encounter within the Entrepreneurship area of concentration. Students examine the process and content (sequence and norms) of New Venture Expert Scripts, and create their own master and sub-scripts that enable them to become independent economic actors within the economy. Students create individual verbal and written searching, screening, planning, financing, start-up and harvesting scripts.

Corequisites: ENT 410, 411, 413 and registration in the special entrepreneurship section of COM 400

Portfolio Practicum

As part of the integrated Entrepreneurship Core Semester, this course material is designed to help students to further integrate into practice the concepts experienced within the Entrepreneurship area of concentration. Students participate in industry tours, networking sessions, start-up experiences, visits from guest speakers, case studies and industry immersions. From these experiences, and using individualized constraints analysis, students create a portfolio that demonstrates to instructors, investors and other stakeholders their mastery of new venture skills and abilities, and the practical integration of knowledge sets acquired in the other portions of the Entrepreneurship Program.

Corequisites: ENT 410, 411, 412 and registration in the special entrepreneurship section of COM 400

Post-Launch Venture Issues

Students examine and apply principles and practices needed to sustain a growing business, including advanced market scanning and response, growth financing (successive rounds), database management, scripting growth expertise, managing stakeholder relationships, supplier and customer value retention, and the analytical methods necessary to support these skills. Students will demonstrate this expertise, and communicate the value of work-term experiences through the revision, and expansion of an existing Entrepreneurship Portfolio; or the development of these elements in a growth portfolio.

Prerequisites: COM 400, ENT 410, ENT 411, ENT 412 and ENT 413.

Global Venture Expertise

This course material is designed to help students to understand and to begin to acquire the expertise necessary for successful venturing in the global environment. Building upon a foundation of generally accepted models of international venturing, and using the basic transaction model of international entrepreneurship, this course explores the knowledge necessary to create "global start-ups," acquire sustained competitive advantage, and make global venturing decisions in light of the opportunities and threats faced by entrepreneurs in today's global economy.

Prerequisites: COM 400, ENT 410, ENT 411, ENT 412 and ENT 413.
COURSE LISTINGS

Prerequisites: MATH 100 or 102, PHYS 102 or 112, and CHEM 101/102; BIOL 215 recommended.

EOS 312 Units: 1.5 Hours: 3-3
Introductory Chemical Oceanography
An introduction to the sources, distribution, and transformations of chemical constituents of the ocean, and their relation to biological, chemical, geological, and physical processes. Topics include: controls on average concentration of chemicals in the ocean; vertical and horizontal distributions of ocean constituents; air-sea interactions; production, export, and remineralization of organic matter; the ocean carbon cycle; human-induced changes; stable isotopes and trace elements.
Prerequisites: 110, 120; CHEM 101, 102; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 313 Units: 1.5 Hours: 3-3
Geological Oceanography
An introduction to the geological processes that shape the ocean basins, oceanic plate creation and structure, hydrothermal circulation at mid-ocean ridges, bathymetry, ocean islands, different types of ocean margins, ocean sediments, the sedimentary record of past ocean circulation, coastal geological theory.
Prerequisites: 110, 120; CHEM 101, 102; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 314 Units: 1.5 Hours: 3-3
Descriptive Physical Oceanography
An introduction to the geography of Earth's fluid ocean and the physics that governs it. Topics include: fundamental physical variables and their distribution, air-sea interaction, water masses and their formation, large-scale ocean dynamics, equatorial and coastal physical oceanography, and interactions between physical, chemical, and biological processes in the ocean. Participation in a single-day oceanographic cruise is expected.
Prerequisites: 110, 120; CHEM 101, 102; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 315 Units: 1.5 Hours: 3-3
Acoustical Oceanography
An introduction to ocean science through the window of underwater sound, with applications to physical, biological and geological processes in the ocean. The main subjects treated are the effects of boundaries (sea surface and bottom) and the water-column sound speed profile, sound sources in the ocean, transducers and hydrophones, and basic sound propagation models (ray theory and the sonar equations). Applications include ocean acoustic tomography, fisheries science, marine mammal acoustics, sea floor mapping, and marine seismic exploration and surveying.
Prerequisites: 110, 120; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 320 Units: 1.5 Hours: 3-3
Metamorphic Geology
The physical and chemical controls that govern the behaviour of metamorphic rocks within the Earth's lithosphere. Textural and mineralogical features and thermodynamic principles are used to interpret the evolution of metamorphic rocks from a variety of plate tectonic environments. Linkages with other aspects of the Earth system are explored.
Prerequisites: 202, 205 and 240.

EOS 330 Units: 1.5 Hours: 3-3
Paleobiology
Processes and patterns in the evolution of life through time; speciation, extinction, and evolution. The relationship of biotas to depositional systems: paleoecology, ecosтратigraphy, biostratigraphy and paleobiogeography. Major events in the history of life. Laboratories and field trips will provide illustrative fossil examples, particularly of invertebrates, partly in collaboration with the Royal British Columbia Museum.
Note: Credit will be granted for only one of 330, 360.
Prerequisites: 201, BIOL 150A, or permission of the instructor.

EOS 340 Units: 1.5 Hours: 3-0-1
Atmospheric Sciences
Introduction to the fundamental processes and forces governing the Earth's weather and climate. Specific applications such as weather systems and global climate-change. Topics include clouds, precipitation, tornadoes, thunderstorms, cyclones, air-interaction, El Nino, Greenhouse Effect, ozone hole, and acid rain.
Prerequisites: PHYS 102, 112 or 120 or permission of the instructor.

Pre- or corequisites: 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 over-fishing.
Notes: - Credit will be granted for only one of 350 and EOS 110, GEOG 110.
- May not be used as credit toward SEOS general, major, honors, or combined degree programs.
Prerequisites: Second-year standing.

EOS 360 Units: 1.5 Hours: 3-0
The Evolution of Life Through Time
Key developments in the evolution of life over the 4 billion years of Earth history. The progressive increase in biodiversity in both the marine and terrestrial realm is discussed. Dramatic reductions in diversity are produced through a variety of extinction events including the current example induced by human activities.
Note: Credit will be granted for only one of 360, 330, BIOL 360. Course may not be used as credit toward SEOS general, major, honors, or combined degree programs. Open to students with credit in 360 if taken prior to Winter 1993-94.
Prerequisites: Second-year standing.

EOS 370 Units: 1.5 Hours: 3-0
Earthquakes, Natural Hazards and Plate Tectonics
A review of the modern and ancient plate tectonic processes that result in oceanic ridge systems, seafloor spreading, subduction zones, and mountain belts. The impact of these processes on human development will be discussed, specifically earthquakes, tsunamis, landslides, and volcanic eruptions.
Note: Course may not be used as credit toward SEOS general, major, honors or combined degree programs.
Prerequisites: Second-year standing.

EOS 400 Units: 1.5 Advanced Field School
A two-week field trip through the Southern Canadian Cordillera, examining the rock units and structures of the major tectonic elements in southern British Columbia and Alberta. Parallel, where possible, recent COCORP and LITHOPROBE seismic survey routes. Introduces the complex evolutionary states of the western margin of North America. Normally held in late August - early September, prior to registration.

Prerequisites: 300, 310, 320, or permission of the instructor; 330 strongly recommended.

EOS 403 Units: 1.5 Hours: 3-0
Global Biogeochemical Cycles
Organic matter is studied from its formation (primary production) through its transformation and destruction during transport, deposition, and diagenetic remineralization processes. Global carbon, nitrogen, phosphorous, and sulphur cycles are discussed. Emphasis is placed on describing the fluxes of nutrients and other major compounds within and across the interface of soils, and the sedimentary and water columns.
Prerequisites: 240, minimum sessional GPA of 6.5, and permission of the instructor.

EOS 408 Units: 1.5 Hours: 3-0
Marine Geology
A combined lecture and seminar course covering modern marine geological processes in a wide range of oceanic environments: mid-ocean ridges, mid-plate volcanoes and hot spots, coasts, continental margins and abyssal plains. Modern methods of data collection and analysis, including the Ocean Drilling Program, will be considered.
Prerequisites: 201, 310, 340, or permission of the instructor.

EOS 410 Units: 1.5 Hours: 3-1
Global Tectonics
A study of global tectonic systems including geological, geophysical, geochemical and geographical perspectives on major tectonic environments. A wide range of examples from different continents will be used. Vancouver Island will also be examined.
Prerequisites: 202 or permission of the instructor.

EOS 420 Units: 1.5 Hours: 3-3
Resource Geology
A geological study of the major types of economically important metallic and nonmetallic minerals and other earth resources, basic processes of ore formation, exploration and mining techniques. The impacts of these activities on the environment are also considered.
Note: This course alternates with EOS 422.
Prerequisites: 201.
Pre- or corequisites: 310, 320, or permission of the instructor.

EOS 422 Units: 1.5 Formerly: Part of EOS 420 (prior to 2004W session)
Energy Resources
This course discusses the Earth’s major economic natural energy resources. The focus is on conventional oil and gas, coal, CBM and tar sands, including modes of formation, accumulation and recovery, along with the mechanisms of migration and trapping. Canadian examples of petroleum systems and basin modelling augment the material. To a lesser degree, other energy sources are looked at, such as nuclear fuels, solar, hydrogen, geothermal, biogas, wind and tidal, as well as related socio-economic-environmental issues.
Note: Credit will be granted for only one of 422, 420 if 420 taken prior to Winter 2004.

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 equilibria 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 applica-
tion of natural and anthropogenic tracers to geochemical problems within aquatic systems.

**Prerequisites:** 240 or Third Year Chemistry; or permission of the instructor.

**EOS 427 Units:** 1.5 **Hours:** 3-1

**Also:** PHYS 427

**Geophysics**


**Note:** Credit will be granted for only one of 427, PHYS 427. Offered in Spring of odd-numbered years, e.g. January 2007.

**Prerequisites:** PHYS 220, 326

**Pre-or corequisites:** MATH 330B or 438, and 326.

**EOS 430 Units:** 1.5 **Hours:** 3-3

**Isotopes in Earth and Ocean Sciences**

Basic principles controlling isotope distributions, including natural abundances, radiogenic decay, equilibrium and kinetic isotope effects. Applications of these principles in the fields of: 1) Earth history - global processes and chronology; 2) mineralization - diagenesis, catagenesis; 3) hydrogeology and characterization of water and air masses; 4) biogeochemistry and biological fractionation isotopes.

**Prerequisites:** 240 or permission of the instructor.

**EOS 431 Units:** 1.5 **Hours:** 3-0

**Physical Oceanography**

Physical properties of 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 corequisites:** PHYS 112, MATH 205 or 200, 201; or permission of the instructor.

**EOS 433 Units:** 1.5 **Hours:** 3-0

**The Ocean-Atmosphere System**

Studies of the Earth's climate require an understanding of the intimate links between the ocean and atmosphere. Basic theories of the circulation of each are discussed and the physics of coupled models examined with emphasis on simple intuition-building mathematical models as well as discussion of large computer models.

**Pre-or corequisites:** 340, 431, MATH 326, 330B; PHYS 317, 321A, 325, 426; or permission of the instructor.

**EOS 435 Units:** 1.5 **Hours:** 3-0

**Waves in the Ocean**

The mathematical theories and physics of surface gravity waves, internal waves, Rossby waves and other wave motions in the ocean are introduced, with an emphasis on general results that describe the effects on the waves of various properties of the medium, and the back effects of the waves on the mean flow.

**Pre-or corequisites:** 431; MATH 326, 330B; PHYS 317, 321A, 325, 426; or permission of the instructor.

**EOS 440 Units:** 1.5 **Hours:** 3-3

**Hydrogeology**

Interdisciplinary and quantitative approaches to the nature and migration of fluids in the Earth's crust. Theory of groundwater flow in fractured and porous media. Surface-groundwater interactions and changes in water quality; well flow; waste disposal; groundwater contamination.

**Prerequisites:** 240, MATH 200 or 205, and MATH 201; or permission of the instructor.

**EOS 450 Units:** 1.5 **Hours:** 3-0

**Quaternary Geology**

The methods and theory of Quaternary research, stressing the processes of interaction between the geosphere and biosphere. Topics include dating methods, paleoenvironmental studies, glaciation and global change, geological hazards, interdisciplinary research and applied studies, particularly the influence for engineering design.

**Prerequisites:** 201 and 240; or permission of the instructor.

**EOS 460 Units:** 1.5 **Hours:** 3-3

**Earth System Science**

An examination of the interrelationships between the complex systems operating in the solid Earth, hydrosphere and atmosphere; methods of systems analysis for the planet; modelling of global processes, especially past and future climate change.

**Prerequisites:** Completion of at least three EOS courses numbered 300 or above (excluding 350, 360, 370).

**EOS 470 Units:** 1.5 **Hours:** 3-0

**Geodynamics**

An introduction to thermal and mechanical modelling of Earth processes through analytical and numerical techniques. Applications of continuum physics to geodynamics, including dynamic modelling of mantle convection, plate tectonics, lithospheric deformation, and sedimentation. Incorporation of the effects of surface processes and subsurface fluid flows on crustal deformation.

**Prerequisites:** Fourth-year standing in SEOS or Physics; or permission of the instructor.

**EOS 480 Units:** 1.5 **Hours:** 3-3

**Applied Geophysics**

An introduction to geophysical methods used in resource exploration and in investigations of crustal structure. Topics include principles and applications of seismology, gravity, magnetics, heat flow, radioactivity and electrical methods. Emphasis will be placed on interpretation of geophysical data for Earth structure.

**Prerequisites:** Fourth-year standing in SEOS or Physics; or permission of the instructor.

**EOS 490 Units:** 1.5 or 3

**Directed Studies in Earth and Ocean Sciences**

With the consent of the School and the faculty member concerned, a student may be permitted to pursue a course of directed studies.

**Note:** Students may not take more than 3 units of 490 studies.

**EOS 499 Units:** 3.0

**Honours Thesis**

A research project conducted under the direction of faculty.

**Note:** This course is normally restricted to Earth and Ocean Honours students.

**Grading:** INP; letter grade

**ER**

**Environmental Restoration**

**School of Environmental Studies**

**Faculty of Social Sciences**

**ER 200 Units:** 0.5 per module

**Scientific Principles and Concepts for Environmental Restoration**

An opportunity to gain background knowledge in selected scientific disciplines relevant to environmental restoration. Possible topics may include ground water, quantitative ecology, statistics, marine biology, and others. Students take modules of existing courses at the University of Victoria.

**Notes:** A module consists of the first third of a scheduled course.

- Registration is limited and open only to Diploma students registered in the RNS program. Please contact the program coordinator in the Division of Continuing Studies for information about course availability and registration procedures.

**ER 311 Units:** 1.5

**Also:** ES 341

**Principles and Concepts of Ecological Restoration**

Discussion of physical and biological characteristics of ecosystems and processes with emphasis on British Columbia. Examines natural and human-caused changes at ecosystem to species level; discussion of ecosystems and biodiversity; consideration of philosophy and ethics of restoration and an introduction to legal and policy frameworks. Introduction to advanced study of 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.

**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 course involving detailed site evaluation (prescription). May involve participation in a restoration project. With permission, the practicum can be undertaken at locations outside the province or internationally.

**Note:** Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

**Prerequisites:** ER 312A.

**ER 313 Units:** 1.5

**Also:** ES 348

**Biodiversity and Conservation Biology**

Study of biological organisms and ecosystems with particular reference to mechanisms of change and human impacts on the environment. Will focus on: biodiversity (definition, assessment methods, loss, and evaluation); population biology (concepts and research methods); habitat loss; species extinction; exotic species and their impacts; and possibilities for human intervention in alleviating trends in species loss and ecosystem degradation.

**Note:** Credit will be granted for only one of 313, ES 318, ES 320, ES 348, BIOL 370.

**Prerequisites:** Biology 150A and B or equivalent, or permission of the instructor. If taken as ES 348, ES 200 is a prerequisite.

**ER 314 Units:** 1.5

**Ethical, Legal and Policy Aspects of Environmental Restoration**

Addresses the relationship of environmental values to legislative and legal systems. Includes: ethical considerations in land management; future economic benefit and ecological cost; the land ethic; policy and...
UVIC UNDERGRADUATE CALENDAR 2006-07

COURSE LISTINGS

legal considerations in restoration; and ecorestoration in research and natural resource management programs.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 325 Units: 1.5
Ecosystems of British Columbia, Canada and the World
A survey of the major ecoregions of Canada and the world, their characteristics, and their current status. Classification systems in Canada and British Columbia. Major types of ecosystems, from marine and aquatic to forest, grassland, and desert systems will be discussed including the significant threats to each, and core causes of change. Consideration given to biodiversity; fragmentation; ecological resilience; succession.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 326 Units: 1.5
Also: ES 423
Traditional Systems of Land and Resource Management
The role of traditional ecological knowledge in the understanding and documentation of the biodiversity of natural systems and their restoration. Examination of how restoration strategies can benefit from the close relationship of Indigenous Peoples to their local environments, and from their knowledge of plants and animals, their habitats and ecological interrelationships, as well as from traditional land and resource management strategies.

Notes: - Credit will be granted for only one of 326, ES 353, ES 423.
- May be taken for credit by Diploma students as ER 326 without prerequisite credit.
Prerequisites: ES 300A or permission of the Director if taken as ES 423.

ER 327 Units: 1.5
Ecorestoration Strategies: Case Studies
Examination of specific sites illustrating restoration problems and solutions. Examples include mine reclamation projects, highways, and rail right-of-way stabilization, urban ravine and stream rehabilitation.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 328 Units: 1.5
Forest Restoration and Sustainable Forestry
Basic concepts of forest ecology and succession following natural and human disturbance. "Old Growth" definition and characteristics. Forest practices from a restoration viewpoint: the forest recovery model. Planning and restoration strategies for hydriparian zones. Analysis of silvicultural prescriptions and terrain issues (slope stability, road building) from an ecological perspective.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 329 Units: 1.5
Mining Restoration
Impact of mines and mining practices on natural systems and landscapes; physical and chemical characteristics of mine sites and debris; restoration vs. reclamation; pre- and post-disturbance restoration strategies; engineering issues; revegetation and 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 Geoscience 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 space, natural corridors, recreation, soil and water conservation and restoration, ecological landscape architecture, integrated pest management, organic agriculture, urban agriculture, permaculture. British Columbia and world examples.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 332 Units: 1.5
Selection and Propagation of Native Plants
An introduction to the principles of native plant selection and propagation to meet site-specific objectives for ecosystem restoration. Topics include native plant propagation techniques; the role of artificial propagation in ecosystem rehabilitation and restoration; criteria for species selection; scientific and ethical principles for the collection of propagation materials; site stabilization; site preparation; out-planting; and bio-engineering.

Notes: - Credit will be granted for only one of 332 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 toxins and their distribution in water and soil. Ecological risk assessment and priority toxics management. Site assessment. Monitoring, decontamination, reclamation and restoration of specific sites.

Note: First year chemistry recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 334 Units: 1.5
Soil Conservation and Restoration
Physical, chemical and biological characteristics of soils and their relationship to restoration. Soil fertility; importance of soil flora and fauna, especially mycorrhizae. Comparison of characteristics of undisturbed soils. Types of soil disturbance in agriculture, forestry, mining and urban environments; soil restoration strategies; planning pre- and post-disturbance.

Note: Background in physical geography such as GEOG 213 or equivalent strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 335A Units: 1.5
Restoration of Fresh Water Aquatic Systems
Theory and case studies of disturbances and restoration; character and processes of aquatic systems; types of natural aquatic systems; types of disturbance and their impact; restoration strategies for watersheds, riparian zones, streams, rivers, lakes, and wetlands.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 335B Units: 1.5
Restoration of Marine Aquatic Systems
Types, characteristics and processes of natural marine aquatic systems 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 aquaculture).

Notes: - Background in biology strongly recommended.
- Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 336 Units: 1.5
Education, Communication and Dispute Resolution in Restoration of Natural Systems
Role of communication and education in the restoration of natural systems, emphasizing the importance of clear communication; principles and techniques of effective communication, survey of communication and educational methods, social and cultural frameworks of the message defining issues, techniques of dialogue, recognizing and resolving conflict, organizing data and message. Emphasis on oral presentations.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 338A-D Units: 0.5 to 1.5
Special Topics in Environmental Restoration
Selected topics in environmental restoration that address particular issues, industrial sectors or biogeoclimatic variation.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee. May be taken more than once for credit in different topics.

ER 351 Units: 1.5
Introduction to Non-Timber Forest Products (NTFP) and their Management
An introduction to the commercial, cultural, subsistence, and recreational uses of non-timber forest products in BC. Topics include challenges of sustainable use; ethical and legal issues; First Nations use, ownership, and intellectual property rights; and a range of management practices from resource protection and natural harvesting to propagation and intensive cultivation.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 352 Units: 1.5
Non-Timber Forest Management and Sustainable Use in Major Forest Zones of BC
An introduction to biogeoclimatic zones and natural disturbance regimes in BC in relation to the occurrence of important NTFP species and the ecosystems that sustain them. Topics include the impacts of current land use and resource extraction on NTFP occurrence and productivity; and the influence of disturbance classes, biogeoclimatic zones, and current ecological condition on the selection of appropriate NTFP management practices.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.
Environmental Studies
School of Environmental Studies
Faculty of Social Sciences

**ES 200**
Units: 1.5
Hours: 3-0
Formerly: 300A

**Introduction to Environmental Studies**
Introduction to the symptoms and sources of environmental problems and approaches to resolving them. Students will apply their understanding through a distinctive interdisciplinary exploration of three main themes: ecological restoration (the process of assisting the recovery of an ecosystem that has been degraded, damaged or destroyed), sustainable communities (the theory and practice behind sustainability) and ethnecology (the study of the relationship between people and their habitats).

**Note:** Credit will be granted for only one of 200, 300A.

**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 systems and biophysical systems. In turn, this course will examine how communities and environments are being impacted by the globalization of economies and cultures, technologies and ideologies, as well as responses from a variety of local, non-governmental and international agencies.

**Prerequisites:** 200 or 300A

**ES 312**
Units: 1.5
Hours: 3-0
Also: ECON 330

**Environmental Economics**
Economic principles as applied to problems of living in the natural environment. The problem of spillovers associated with economic processes. Externalities and their management through economic institutions. Problems of conservation and possible limits to economic growth arising from scarcity of environmental resources.

**Note:** Credit will be granted for only one of 312, ECON 330.

**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.

**ES 320**
Units: 1.5
Also: BIOL 370

**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.

**ES 321**
Units: 1.5
Hours: 3-0

**Ethnecology**
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 understanding ecological restoration. The different aspects of local and traditional ecological knowledge and their relationships to western academic knowledge are reviewed and the issues and requirements for applying local knowledge in environmental sustainability are explored. This course is a prerequisite for the more advanced courses on ethnobotany and traditional land and resource management.

**Prerequisites:** 200 or 300A

**ES 341**
Units: 1.5
Hours: 3-0
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 4000 if you took 400D in 1995-96.

**Prerequisites:** 200 or 300A
**ES 418: 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.

**Prerequisites:**
- Credit will be granted for only one of 412, 420, 400A if 400A taken in 1999-95.
- Formerly: ES 450

**ES 419: Seminar in Environmental Law and Policy**

Examination of the political economy of environmental law and policy. Extensive readings and application of an ecological political economy analysis to law/policy topics chosen by students.

**Prerequisites:**
- Credit will be granted for only one of 419, 450, LAW 328. Open to ES students with fourth-year standing and students in the Faculty of Law.

**ES 421: Ethnobotany: Plants and Human Culture**

An introduction to the study of the relationship between plants and human cultures, with a focus on the indigenous peoples and environments of northwestern North America. Use of plants as foods, materials and medicines, plant nomenclature and folk classification, and the role of plants in religion and mythology are topics covered. There will be one or more field trips.

**Prerequisites:**
- Credit will be granted for only one of 421, 416

**ES 422: 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 inform all fields of environmental endeavour. Ethnographic exercises in the community are a course requirement.

**Prerequisites:**
- Credit will be granted for only one of 423, 353, ER 326

**ES 428: Ethnographic Methods in Environmental Research**

Formerly: Also ANTH 428

**ES 446: Sustainable Fisheries**

A practical examination of sustainable fisheries from a variety of interdisciplinary perspectives. Examines sustainability issues for fisheries and aquaculture through an integrated study of fish biology/ecology, oceanography, hydrology, environmental impact assessment, natural resource management and environment and land use planning.

**Prerequisites:**
- Credit will be granted for only one of 446, 426, 400C if 400C taken in 1992-98.

**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.

**Prerequisites:**
- Credit will be granted for only one of 461, 410, 400A if 400A taken prior to 1989-90.

**ES 417: 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.

**Prerequisites:**
- Credit will be granted for only one of 417, 422, 400A if 400A taken in 1994-95.

**ES 418: 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.

**Prerequisites:**
- 200 or 300A, and 301

**ES 419: Seminar in Environmental Law and Policy**

Examination of the political economy of environmental law and policy. Extensive readings and application of an ecological political economy analysis to law/policy topics chosen by students.

**Prerequisites:**
- 200 or 300A, and 301

**ES 421: Ethnobotany: Plants and Human Culture**

An introduction to the study of the relationship between plants and human cultures, with a focus on the indigenous peoples and environments of northwestern North America. Use of plants as foods, materials and medicines, plant nomenclature and folk classification, and the role of plants in religion and mythology are topics covered. There will be one or more field trips.

**Prerequisites:**
- Credit will be granted for only one of 421, 416

**ES 422: 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 inform all fields of environmental endeavour. Ethnographic exercises in the community are a course requirement.

**Prerequisites:**
- Credit will be granted for only one of 423, 353, ER 326

**ES 428: Ethnographic Methods in Environmental Research**

Formerly: Also ANTH 428

**ES 429: 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.

**Prerequisites:**
- Credit will be granted for only one of 461, 410, 400A if 400A taken prior to 1989-90.

**ES 446: Sustainable Fisheries**

A practical examination of sustainable fisheries from a variety of interdisciplinary perspectives. Examines sustainability issues for fisheries and aquaculture through an integrated study of fish biology/ecology, oceanography, hydrology, environmental impact assessment, natural resource management and environment and land use planning.

**Prerequisites:**
- Credit will be granted for only one of 446, 426, 400C if 400C taken in 1992-98.

**ES 410: Environmental Impact Assessment**

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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.

**Prerequisites:**
- Credit will be granted for only one of 412, 400C if 400C taken in 1999-95.

**ES 419: Seminar in Environmental Law and Policy**

Examination of the political economy of environmental law and policy. Extensive readings and application of an ecological political economy analysis to law/policy topics chosen by students.

**Prerequisites:**
- Credit will be granted for only one of 419, 450, LAW 328. Open to ES students with fourth-year standing and students in the Faculty of Law.

**ES 421: Ethnobotany: Plants and Human Culture**

An introduction to the study of the relationship between plants and human cultures, with a focus on the indigenous peoples and environments of northwestern North America. Use of plants as foods, materials and medicines, plant nomenclature and folk classification, and the role of plants in religion and mythology are topics covered. There will be one or more field trips.

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**ES 422: 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 inform all fields of environmental endeavour. Ethnographic exercises in the community are a course requirement.

**Prerequisites:**
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**ES 428: Ethnographic Methods in Environmental Research**

Formerly: Also ANTH 428

**ES 429: 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.

**Prerequisites:**
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**ES 446: Sustainable Fisheries**

A practical examination of sustainable fisheries from a variety of interdisciplinary perspectives. Examines sustainability issues for fisheries and aquaculture through an integrated study of fish biology/ecology, oceanography, hydrology, environmental impact assessment, natural resource management and environment and land use planning.

**Prerequisites:**
- Credit will be granted for only one of 446, 426, 400C if 400C taken in 1992-98.
ES 481 Units: 1.5 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Ethnecology
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit in different topics.
Prerequisites: 200 or 300A, and one of 301, 321 or 341.

ES 482 Units: 1.5 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Ecological Restoration
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; 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 one of 301, 321 or 341.

ES 490 Units: 1.5-3.0
Directed Studies
Individual studies on approved environmental topics undertaken by students in consultation with faculty members. Projects will be supervised by one or more faculty members designated by the Director.
Note: Restricted to Environmental Studies students.
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 301 Units: 1.5 Hours: 3-0
Cultural and Intellectual Systems and Developments in Europe
This course looks into critical aspects of European intellectual and cultural traditions both in a historic and contemporary perspective. It covers a wide range of issues related to the rich European history of ideas and artistic production encompassing the fields of philosophy, literature, and arts.
Note: May be taken more than once for credit in 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 Hours: 3-0
The Arts and Technology: I
An introductory course focusing on ideas central to the interrelationship between various arts and technologies.
Note: May be taken twice in different topics.

FA 305 Units: 1.5 or 3 Hours: 3-0
Theory and Practice of Film and Video Direction
Introduction to basic narrative patterns in film and video with an emphasis on image systems, plot and character, sound, and scene construction. Development and translation of a script into pictures using digital cameras and video editing software.
Prerequisites: Second-year standing in Fine Arts or permission of the instructor.

FA 315 Units: 1.5 or 3 Hours: 3-0
Introduction to Canadian Cultural Policy
An examination of Canadian cultural policy since the 1940s, in the context of international practice, with emphasis on its relationship to Canadian national identity. Topics to be considered will include the controversial role of governments in pursuit of cultural policies, the significance of Federal granting councils, the changing role of corporate patronage, and the economic impact of the arts.

FA 335 Units: 1.5 or 3 Hours: 3-0
Popular Culture
An interdisciplinary examination of the popular arts and their place in society. The topics for examination will vary in different years and sections.
Note: May be taken more than once for credit in different topics.
Prerequisites: Second-year standing.

FA 346 Units: 1.5 or 3 Hours: 3-0
The Arts and Technology: II
A practice-oriented seminar, focusing on the use of computer technology in the arts. Areas for consideration may vary from year to year.
Note: May be taken more than once for credit in different topics.
Prerequisites: Second-year standing and one 100-level computer science course or permission of the instructor.

FA 350 Units: 1.5 Hours: 3-0
Introduction to Architecture, Theory and Practice
This course will present architecture from an experiential perspective. Theory and some hands-on experience will supplement frequent field trips and occasional visits with practicing architects. This course would be useful preparation for students considering application to architecture schools.

FA 356 Units: 1.5 or 3 Hours: 3-0
Management Skills For the Artist
This is a practical course designed to instruct students in fundamental management skills which will be of use for those anticipating careers as artists. Topics will include presentation techniques, fundraising methods, accounting procedures, grant applications, media relations and event planning.
Prerequisites: Second-year standing in Fine Arts.

FA 360 Units: 1.5 or 3 Hours: 3-0
Theoretical and Critical Issues in the Arts
A special topics course that examines critical and theoretical issues as they relate to the visual, literary and performing arts. Areas for consideration will vary from year to year.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.

FA 365 Units: 1.5 or 3 Hours: 0-3
Dance Workshop: I
This introduction to modern dance is a physically intensive class using components of modern dance, dance technique, improvisation and floor barre. Students will learn dance combinations, terminology and choreography.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: Dance experience or physical equivalent and audition (usually held first day of class).

FA 366 Units: 1.5 or 3 Hours: 0-3
Dance Workshop: II
An advanced continuation of FA 365.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: FA 365 and audition (usually held first day of class) or by permission and audition.

FA 370 Units: 1.5 or 3 Hours: 3-0
Sound in the Arts
A practice-oriented seminar focusing on the study of sound as it pertains to the various arts; sound in performance art, video, theatre, film, visual arts, etc. Areas for consideration may vary from year to year.
Note: May be taken more than once for credit in different topics.

FA 399 Units: 1.5 or 3 Hours: 3-0
Directed Studies in Fine Arts
Individual research in Fine Arts taken under the supervision of a faculty member. Permission of faculty member supervising the project and approval of the Associate Dean.
Note: May be taken more than once for credit to a maximum of 4.5 units.
FREN 100 Units: 3.0 Hours: 11-4
Introduction to French (Summer Session)
Intensive spoken and written French for beginners and near-beginners. Laboratory attendance is required.
Prerequisites: - Credit will not be granted for both 100 and any of 102, 103, or 105.
- Not open for credit to students with French 11 or equivalent, in the last three years.
- Offered in Summer Session only; equivalent to 102 or 103 plus 105.

FREN 102 Units: 1.5 Hours: 3-3
Basic Communication for Beginners
Introduction to spoken and written French for beginners, using communicative methods. Laboratory attendance is required.
Notes: - Credit will be granted for only one of 102, 100 and 103.
- Not open for credit to students with French 10 in the last seven years, French 11 in the last 10 years, French 12 in the last 15 years, or one year of French immersion at any time.

FREN 103 Units: 1.5 Hours: 3-1
Basic Communication
Reintroduction to spoken and written French for near-beginners, using communicative methods. Attendance at laboratory is obligatory.
Notes: - Credit will be granted for only one of 103, 100 and 102.
- Not open for credit to students with French 11 in the last five years, French 12 in the last 10 years, or one year of French immersion at any time.

FREN 105 Units: 1.5 Hours: 3-2
Elementary French I
Instruction in written and oral French, including a review of basic grammar from the beginning. Regular oral practice and short written assignments. Laboratory attendance is required.
Notes: - Credit will be granted for only one of 105 and 100.
- Not open for credit to students with French 12 in the last seven years, or two years of French immersion at any time.
Prerequisites: 102 or 103 or French 10 or equivalent.

FREN 106 Units: 1.5 Hours: 3-2
Formerly: half of 160
Elementary French II
Instruction in written and oral French, including a review of past tenses. Regular oral practice and short written assignments. Laboratory attendance is required.
Notes: - Credit will be granted for only one of 106 and 160.
- Not open for credit to students with French 12 in the last three years, or two years of French immersion at any time.
Prerequisites: 100 or 105 or French 11 or equivalent.

FREN 107 Units: 1.5 Hours: 3-1
Formerly: half of 160
Elementary French III
Instruction in written and oral French, including a review of the future and the conditional. Regular oral practice and short written assignments. Study of a short literary text. Laboratory attendance is required.
Notes: - Credit will be granted for only one of 107 and 160.
- Not open for credit to students with French 12 in the last three years, or two years of French immersion at any time.
Prerequisites: 106 or French 11 or equivalent.

FREN 150 Units: 1.5 Hours: 3-2
French Oral Practice
Develops listening comprehension and oral expression and introduces students to varied oral discourses.
Notes: - Credit will not be granted for 150 and either of 181 and 182.
- Not open for credit to students with three years of French immersion at any time.
- Enrollment limited.
Prerequisites: 107 or 160 or French 12 or equivalent.

FREN 155 Units: 1.5 Hours: 3-1
Formerly: parts of 181 and 182
Vocabulary
Expands vocabulary through the exploration of authentic oral and written texts, dictionaries and electronic resource materials.
Notes: - Not open for credit to students with 181, 182 or three years of French immersion at any time.
- Recommended to most students with French 12 who have never taken immersion, before they take 175, 185 or 195.
Prerequisites: 107 or 160 or French 12 or equivalent.

FREN 156 Units: 1.5 Hours: 3-0
Contemporary Cultural Issues
Explores current issues of the Francophone world through film, the media, the Internet and other oral or written texts. Involves oral and written work.
Prerequisites: 107 or 160 or French 12 or 195.

FREN 161 Units: 1.5 Hours: 3-2
French For Elementary Teachers
Review of basic structures, pronunciation, vocabulary, and expressions, through use of a communicative/experiential approach, with an emphasis on oral expression. Use of thematic units based on the intermediate school curriculum. Detailed study of the language required by teachers for classroom management.
Notes: - Not open to students with French 12, 155, 156, or 175 or higher, or an equivalent course. Open to teachers holding a BC teaching certificate, to students in the Faculty of Education, or others with permission of the Department.
Prerequisites: 107 or 160 or French 12 or 195.

FREN 175 Units: 1.5 Hours: 3-1
Formerly: parts of 181 and 182, or of 190
Intermediate Grammar Review
Review and systematization of intermediate grammatical concepts such as verb forms, agreement, personal pronouns, etc., through application and exercises.
Note: Credit will not be granted for 175 and any of 181, 182 or 190.
Prerequisites: 107, 160, Français 12, or French 12.

FREN 185 Units: 1.5 Hours: 3-0
Introduction to French Linguistics
Introduction to the study of the French language, its nature and structure, as well as the analysis of language variation in standard and familiar contexts.
Prerequisites: 107, 160, Français 12, or French 12.

FREN 195 Units: 1.5 Hours: 3-0
Formerly: parts of 182, or of 190
Writing I
Practice writing short texts while reinforcing elements of basic grammar and vocabulary. A variety of writing styles will be used as models in and out of class.
Enrollment limited.
Note: Credit will be granted for only one of 195, 182, 190.
Prerequisites: 107, 160, Français 12, or French 12.

FREN 202A Units: 1.5 Hours: 3-0
Formerly: part of 202
Grammar I
Note: Credit will be granted for only one of 202A, 202.
Prerequisites: FREN 182, or 190, or one of 175 and 185 plus 195 with an average grade of C+ or higher, or Programme Cadre to Grade 12; or Français 12 and permission of the Department.

FREN 202B Units: 1.5 Hours: 3-0
Grammar II
Detailed analysis of the verb and verb groups. Complex sentences.
Note: Credit will be granted for only one of 202B, 202.
Prerequisites: 185 and 195 with an average grade of C+ or higher, or 202A.

FREN 220 Units: 1.5 Hours: 3-1
French Phonetics
The theory and practice of French pronunciation, corrective phonetics, phonetic transcription, intonation, accentuation, syllabification, elision and liaison; training in reading aloud. Individual practice in the CALL Centre will be assigned. For Francophone students, a research paper will be substituted for the oral examination.
Note: Credit will be granted for only one of 220 and 320. Enrollment limited.
Prerequisites: One of 175, 181, 182, 185, 190, 195.

FREN 262A Units: 1.5 Hours: 3-0
Francophone Culture
A study of culture in the French-speaking world other than Quebec or France, through texts from a variety of sources.
Note: Credit will be given for only two of 262A, 262B, and 262C.
Prerequisites: One of 182 or 190; or 185 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 185 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
The practice of writing in a variety of forms (such as compositions, book and film reviews, letters, creative writing), and the study of relevant models.
Note: Credit will be granted for only one of 295, 292.
Prerequisites: One of 182 or 190; or 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 299 Units: 0.5 Hours: 0-1
Grammar Requirement Examination
Grammar practice, followed by an examination, for students wishing to satisfy the prerequisite for 302A, and for students wishing to consolidate their knowledge of French grammar.
Prerequisites: One of 182 or 190; or 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.
Grading: COM, N or F

FREN 300 Units: 3.0 Hours: 3-0
French Reading Course
Presentation of basic sentence structures and vocabulary, and reading of texts in order to prepare students to acquire a reasonable reading comprehension of scientific and scholarly works in French. Primarily intended for students who have little knowledge of French and are enrolled in university departments requiring a reading knowledge of a second language.
Note: Not open to students with credit in, or registered in, 175 or higher. Limited normally to students in third or fourth year or in graduate studies. Students with no previous French should take at least 102 before undertaking 300. Credit may be obtained for both 300 and any other FREN course.
Grading: COM, N, F

FREN 302A Units: 1.5 Hours: 3-0
Formerly: part of 302
Composition, Translation and Stylistics (A)
Frequent written exercises in vocabulary and grammar, translation, compositions.
Note: Credit will be granted for only one of 302A, 302.
Prerequisites: Departmental Language Requirement
Pre- or corequisites: Departmental Literature Requirement, except Education students in the Elementary Curriculum program.

FREN 302B Units: 1.5 Hours: 3-0
Formerly: part of 302
Composition, Translation and Stylistics (B)
Frequent written exercises in vocabulary and grammar, translation, stylistic commentaries, compositions.
Note: Not open to students with credit in 302.
Prerequisites: 302A.

FREN 335 Units: 1.5 Hours: 4-0-2
Advanced Oral French
A practical course designed to improve oral proficiency in French and to develop comprehension of oral and written French.
Note: May be taken more than once for credit to a maximum of 3 units; only 1.5 units may be applied to a degree in French; 1.5 units are required for a concentration in French in the Faculty of Education. Enrollment limited.
Prerequisites: Departmental Language Requirement. Pre- or corequisites: Departmental Literature Requirement, or third-year standing.

FREN 337 Units: 1.5 Hours: 3-0
French Morphology
Word formation and word markers, etymology, prefixes and suffixes, gender, number, person; grammatical categories.
Prerequisites: Departmental Language Requirement. Pre- or corequisites: Departmental Literature Requirement.

FREN 338 Units: 1.5 Hours: 3-0
French Syntax and Semantics
Verbal and clausal constructions, the question of agreement; shifts in meaning; grammatical exceptions.
Prerequisites: Departmental Language Requirement. Pre- or corequisites: Departmental Literature Requirement.

FREN 350 Units: 1.5 Hours: 4-0-2
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 358 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.

FREN 386 Units: 1.5 Hours: 3-0
Love and Death in French Literature: the Middle Ages to 1789 (in English)
Major works in French literature from the Middle Ages to the Revolution in their social and historical contexts, including theatre, novels, and essays.
Note: May not be counted towards a General, Major, or Honours program in French.
Prerequisites: Second-year standing.

FREN 389A Units: 1.5 Hours: 2-2
French Cinema (in English)
History of French cinema; major directors; French society as reflected in film from the start of the "talkies" to the Nouvelle Vague (1930-1960).
Notes: - All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 441 and 487 may be counted.
- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.
Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the Departmental Language Requirement.

FREN 389B Units: 1.5 Hours: 2-2
Quebec Cinema (in English)
Quebec society, past and present, as portrayed in Quebec films from 1970 to the present.
Notes: - All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 441 and 487 may be counted.
- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.
Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the Departmental Language Requirement.

FREN 389C Units: 1.5 Hours: 2-2
Special Studies in Cinema (in English)
A special topic in the cinema of the Francophone world, as announced annually.
Notes: - All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 441 and 487 may be counted.
- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.
Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the Departmental Language Requirement.
### Course Listings

One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 441 and 487 may be counted.

- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.

**Prerequisites:** Third-year standing or HA 295. Students writing their assignments in French must have completed the Departmental Language Requirement.

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<tr>
<td>FREN 389E</td>
<td>1.5</td>
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<td>The Court of Louis XIV on Screen (in English) Recent films set in the court of the Sun King, Life at Versailles; aspects of French society and culture of the period; implications of directors’ choices for learning about the 17th Century.</td>
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<td>Notes: - All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 441 and 487 may be counted. - Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.</td>
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**Prerequisites:** Third-year standing or HA 295. Students writing their assignments in French must have completed the Departmental Language Requirement.

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<tr>
<td>FREN 390</td>
<td>1.5</td>
<td>3-0</td>
<td>Critical Methods Discovering meaning in literature; how to read a literary text. Practical introduction to various methods of analysing literary texts; a survey of modern literary theory (1950–1990).</td>
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<tr>
<td>FREN 402</td>
<td>1.5</td>
<td>3-0</td>
<td>An Advanced Language Course in Modern French Usage Focus on written expression through composition, textual analysis and commentaire composé, with attention paid to both literary and informal usage.</td>
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<tr>
<td>FREN 420</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced French Phonetics and Pronunciation A continuation of 220, with advanced work in corrective phonetics, transcription, intonation and liaison. Also: regional and foreign accents, French phonology, combinatorial phonetics (coarticulation). May include the use of sound spectrograms and other instrumental readings. Oral practice, including spoken vs. literary styles, high speed reading, pronunciation of difficult and foreign words.</td>
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<td>Note: Enrollment limited. Students interested in general phonetics and phonology should consult the Department of Linguistics.</td>
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<tr>
<td>FREN 425A</td>
<td>1.5</td>
<td>3-0</td>
<td>History of Language and Civilisation: I The evolution of the language from the 8th to the 15th Century, and the progressive recognition of French as a national language. Through the study of representative literary and non-literary texts in the original, in relation to historical circumstances, students will acquire familiarity with major social and cultural events and become aware of the diversity and the mobility of the language.</td>
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<tr>
<td>FREN 425B</td>
<td>1.5</td>
<td>3-0</td>
<td>History of Language and Civilisation: II The French language from the 15th to the 18th Century. The elaboration of linguistic norms and the creation of institutions devoted to linguistic purity. Evolution and variety of the language through the study of representative documents such as dictionaries, laws, travel literature, descriptions of the Americas and novels.</td>
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<tr>
<td>FREN 426</td>
<td>3.0</td>
<td>3-0</td>
<td>Translation A comparative study of the characteristics of French and English expression and how they pertain to the problems of translation; practice in translation from English to French and from French to English.</td>
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<td>Departmental Language Requirement; a minimum grade of B in 302B; and the University English Requirement for undergraduates.</td>
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<tr>
<td>FREN 440</td>
<td>1.5</td>
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<td>Medieval Literature Study of a number of medieval literary works in the original. Students will acquire some familiarity with medieval French and of the principal literary genres of the period. History and art will be used to give a context to the literary works.</td>
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<tr>
<td>FREN 441</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
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<td>Also: MEDI 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.</td>
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<td>Notes: - Credit will be granted for only one of 441 and MEDI 441. - Students may count only one of 441, 389 and 487 towards a Major, Minor or General program in French.</td>
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<tr>
<td>FREN 444</td>
<td>1.5</td>
<td>3-0</td>
<td>Medieval and Renaissance Theatre Medieval and Renaissance plays in the original. Through a selection of dramatic texts, students will explore the conditions of theatrical representations before theatres were built in stone; farces, miracles, sotties and comedies will be replaced in the context of religious holidays, Carnival or school plays.</td>
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<tr>
<td>FREN 446A</td>
<td>1.5</td>
<td>3-0</td>
<td>Renaissance Poetry Through a selection of poems of late medieval and Renaissance periods, in the original, students will be acquainted with the terminology of versification, the major poetic genres of the period and some great figures of the French Renaissance.</td>
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<tr>
<td>FREN 446B</td>
<td>1.5</td>
<td>3-0</td>
<td>17th-Century Poetry Poetry in the 17th Century, including Malherbe, Saint-Amand, Théophile de Viau, Anne de La Vigne, La Fontaine, M.-C.H. de Villedieu, Boileau, and Jeanne-Marie Guyon. Some 18th Century poetry may be included.</td>
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<tr>
<td>FREN 446D</td>
<td>1.5</td>
<td>3-0</td>
<td>Late 19th Century Poetry Poetry in France and Belgium from the post-romantic to the Symbolist periods. Grade based partly on a group research project.</td>
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<td>FREN 446E</td>
<td>1.5</td>
<td>3-0</td>
<td>20th-Century French Poetry Important poetic works and trends from the early to late 20th Century, reflecting different aspects of French history and culture.</td>
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<td>FREN 448</td>
<td>1.5</td>
<td>3-0</td>
<td>Renaissance Prose Love, betrayal, justice, humour and humanism: through a selection of short stories, chapters from novels and essays, students will discover the emergence of new ideas about the world and about the humanity of humankind.</td>
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<tr>
<td>FREN 450A</td>
<td>1.5</td>
<td>3-0</td>
<td>Seventeenth-Century Culture I The Age of Louis XIII and Richelieu. Male and female heroism. Marriage and family life as depicted in literary and non-literary texts such as court documents, conduct manuals and medical treatises.</td>
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<tr>
<td>FREN 450B</td>
<td>1.5</td>
<td>3-0</td>
<td>Seventeenth-Century Culture II Theatre, novel and social commentary in the age of Louis XIV. Texts will include selections from the works of Molière, Racine, Madame de Lafayette, Pascal, and La Rochefoucauld.</td>
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<td>FREN 451</td>
<td>1.5</td>
<td>3-0</td>
<td>The Enlightenment Principal literary works of the philosophes of the 18th century.</td>
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<td>FREN 452</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
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<td>FREN 455B</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
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COURSE LISTINGS

FREN 460A Units: 1.5 Hours: 3-0
Formerly: half of 460
The Novel in the 19th Century: I
The development of the novel in France from 1800 to
1850, including works by Stendhal and Balzac.
Note: Credit will be granted for only one of 460A, 460.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 460B Units: 1.5 Hours: 3-0
Formerly: half of 460
The Novel in the 19th Century: II
The development of the novel in France from 1850 to
1900, including works by Flaubert and Zola.
Note: Credit will be granted for only one of 460B, 460.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 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 soci-
ety.
Note: Credit will be granted for only one of 462 and
462A.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

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
462B.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 462C Units: 1.5 Hours: 3-0
The changing face of the novel from le nouveau ro-
mant to contemporary fiction.
Note: Credit will be granted for only one of 462 and
462C.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 470 Units: 1.5 Hours: 3-0
20th Century French Theatre
The distinctive characteristics of modern theatre and
of major theatrical movements; plays illustrating dif-
f erent themes and theatrical styles.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 477A Units: 1.5 Hours: 3-0
Formerly: part of 477
Contemporary Francophone African Novel
The Francophone African novel in the second half of
the 20th century and the first part of the 21st century.
Screening of African films to highlight issues in the
novels selected.
Note: Credit will be granted for only one of 477A, 477.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 477B Units: 1.5 Hours: 3-0
Formerly: part of 477
Contemporary Francophone Caribbean Novel
The Francophone Caribbean novel in the second half of
the 20th century and the first part of the 21st cen-
tury. Screening of Caribbean films to highlight issues in
the novels selected.
Note: Credit will be granted for only one of 477B, 477.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 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: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 482 Units: 1.5 Hours: 3-0
Contemporary French-Canadian Theatre
Study of the characteristic themes and structures of
French-Canadian theatre since the Second World
War.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 484 Units: 1.5 Hours: 3-0
Contemporary French-Canadian Theatre
Study of the characteristic themes and structures of
French-Canadian theatre since the Second World
War.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 485 Units: 1.5 Hours: 3-0
French-Canadian Poetry
French-Canadian poetry from Emile Nelligan to the
present. Emphasis on Alain Grandbois, St-Denis-
Garneau, Anne Hébert, Rina Lasnier, Gaston Miron,
Roland Gigueré, Michel Beaulieu, Nicole Brossard.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 487 Units: 1.5 Hours: 3-0
Comparative Studies in Contemporary French
and English Canadian Literature
An introduction to the comparative study of contem-
porary Canadian Literature in both official languages.
Classes will be conducted in English; readings and
assignments can be done in either language. How-
ever, students taking a Combined Major in English and
French (Canadian Literature) must read the texts
present. Emphasis on Alain Grandbois, St-Denys-
Garneau, Anne Hébert, Rina Lasnier, Gaston Miron,
Roland Gigueré, Michel Beaulieu, Nicole Brossard.
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 488F Units: 1.5 Hours: 3-0
Special Topics: Women Writers
A look at the way Francophone women outside
Québec have described the world.
Note: Designed for Major and Honours students, this
course may be offered as a reading course, a tutorial,
or a seminar or a course of lectures (as circumstances
warrant).
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 488G Units: 1.5 Hours: 3-0
Special Topics: Studies in a Major Author or
Movement
Intensive study of an important writer or movement.
Topics announced annually.
Note: Designed for Major and Honours students, this
course may be offered as a reading course, a tutorial,
or a seminar or a course of lectures (as circumstances
warrant).
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 488H 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 Québec.
Note: Designed for Major and Honours students, this
course may be offered as a reading course, a tutorial,
or a seminar or a course of lectures (as circumstances
warrant).
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 488I Units: 1.5 Hours: 3-0
Special Topics: Studies in the Culture and
Civilization of France, French Canada or la
Francophonie
Occasional offerings dealing with a specific aspect of
French-language civilization or culture.
Note: Designed for Major and Honours students, this
course may be offered as a reading course, a tutorial,
or a seminar or a course of lectures (as circumstances
warrant).
Prerequisites: Departmental Language Requirement and
Departmental Literature Requirement.

FREN 499 Units: 1.5 Hours: 3-0
Honours Graduating Essay
During the final year of the Honours program, stu-
dents will write a graduating essay in French of ap-
proximately 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 be-
fore the end of second term classes. An oral exami-
nation in French covering the topic of the essay will
be conducted by a committee of three persons (nor-
mally, the faculty supervisor, the second reader, and
the Departmental Honours Adviser).

GEOG

Geography
Department of Geography
Faculty of Social Sciences

GEOG 101A Units: 1.5 Hours: 3-1
Biophysical Systems and the Human
Environment
An introduction to the functioning of the biosphere,
the ways in which humans perceive and alter natural
processes, and environmental consequences of
these alterations. Topics include: energy flows; bio-

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COURSE LISTINGS

geochemical cycles; ecosystem structure and dynam-ics; and various aspects of resource management. **Note:** Credit will be granted for only one of 101A, ES 101. A minimum grade of B- may be required in 101A before students can register in other Geography courses; check individual course descriptions for prerequisites.

**GEOG 101B**
-- Units: 1.5
-- Hours: 3-2
**Introduction to Human Geography**
Perspectives on the scope and purpose of human geography, emphasizing approaches, concepts and scales of geographical analysis. Topics include: social geography of cities; interpretation of regional, cultural and economic landscapes; urbanization and industrialization of regions; and economic development and social change in the world system.

**Note:** A minimum grade of B- may be required in 101B before students can register in other Geography courses; check individual course descriptions for prerequisites.

**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 ocean basins are explored.

**Notes:**
- Credit will be given for only one of GEOG 110, EOS 110, GEOG 203B, GEOG 213, GEOG 216, EOS 350.
- Credit will be given for only two of the following courses with no more than one course from a particular group: Group 1: EOS 100, EOS 101; Group 2: GEOG 110, EOS 110, GEOG 216, Group 3: GEOG 120, EOS 120, GEOG 217.
- The following courses do not need to be taken in sequence: GEOG 110, EOS 110, GEOG 120, EOS 120.
- A minimum grade of B- may be required in 110 before students can register in other Geography courses/SEOS courses; check individual course descriptions for prerequisites.

**GEOG 120**
-- Units: 1.5
-- Hours: 3-3
Also:
- **EOS 120**
  - Formerly: 217 and part of 213

**Introduction to the Earth System: II**
Principal geological processes 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.

**Notes:**
- Credit will be given for only one of GEOG 120, EOS 120, GEOG 203A, GEOG 213, GEOG 217.
- Credit will be given for only two of the following courses with no more than one course from a particular group: Group 1: EOS 100, EOS 101; Group 2: GEOG 110, EOS 110, GEOG 216; Group 3: GEOG 120, EOS 120, GEOG 217.
- The following courses do not need to be taken in sequence: GEOG 110, EOS 110, GEOG 120, EOS 120.
- A minimum grade of B- may be required in 120 before students can register in other Geography courses; check individual course descriptions for prerequisites.

**GEOG 209**
-- Units: 1.5
-- Hours: 3-1
Formerly: 350, 350A, 350B, and ES 316
**Introduction to Resource Management**
Introduces students to the conceptual foundations of resource and environmental management by emphasizing geographic aspects of resource systems within social, economic, and policy frameworks. Using a variety of examples, it examines strategies and tools such as adaptive management approaches, ecosystem-based management, impact assessment, and conflict resolution.

**Note:** Credit will not be granted for 209 and any one of 350, 350A, 350B, ES 316.

**Prerequisites:** Minimum grade of B- in 101A and 101B.

**GEOG 211**
-- Units: 1.5
-- Hours: 3-1
Formerly: 211A and 211B
**Economic Geography**
This course examines how economic forces, operating in a cultural and political context, shape the location of economic activity in cities, regions, and developed/developing areas of the world system.

**Note:** Credit will not be granted for 211 and 211A, 201B.

**Prerequisites:** Minimum grade of B- in 101B.

**GEOG 218**
-- Units: 1.5
-- Hours: 3-0
**Cultural Geography**
An introduction to the interpretation of cultural landscapes in various rural, urban, and global settings. Topics examined include ethnic groups and migration patterns, consumerism and material culture, political expressions of culture, and the many meanings of culture.

**Prerequisites:** Minimum grade of B- in 101B.

**GEOG 219**
-- Units: 1.5
-- Hours: 3-0
**Geography of British Columbia**
An examination of the physical, economic, and cultural landscapes that distinguish the cities and rural regions of Canada’s West Coast province.

**GEOG 222**
-- Units: 1.5
-- Hours: 3-2
**Introduction to Geographical Information**
Introduces techniques that extract and map geographic data. Topics include: map and air photo interpretation, basic field surveying, and map representation.

**Note:** Open to students with credit in 202. A minimum grade of B- may be required in 222 before students can register in other Geography courses; check individual course descriptions for prerequisites.

**Prerequisites:** Minimum grade of B- in 3 units of 100- or 200-level Geography, or in 3 units of 100- or 200-level EOS.

**GEOG 226**
-- Units: 1.5
-- Hours: 3-2
**Introduction to Quantitative and Qualitative Methods in Geography**
Application of statistical techniques and qualitative methods to geographic problems. Topics include hypothesis formulation, sampling strategies, parametric and nonparametric statistical tests, statistical models. All laboratory exercises are computer based.

**Notes:**
- Credit will be granted for only one of 226, 321.
- A minimum grade of B- may be required in 226 before students can register in other Geography courses; check individual course descriptions for prerequisites.
- See Credit Limit, page 32.

**Prerequisites:** Minimum grade of B- in 3 units of 100- or 200-level Geography or in 3 units of 100- or 200-level EOS.

**GEOG 228**
-- Units: 1.5
-- Hours: 2-3
**Digital Geomatics**
Introduces the basics of digital geomatics including Geographic Information Systems (GIS) and Digital Remote Sensing.

**Note:** Minimum grade of B- may be required in 228 before students can register in other Geography courses; check individual course descriptions for prerequisites.

**Prerequisites:** Minimum grade of B- in 222; 1.5 units of CSC, 1.5 units of MATH.

**Pre- or corequisites:**
- Minimum grade of B- in 226, or STAT 255 or STAT 260.

**GEOG 306**
-- Units: 1.5
-- Hours: 3-0
**Geography of Canada**
An examination of the physical, economic, and cultural landscapes that distinguish the geographical character of major regions in Canada. Issues surrounding Canada’s identity and expressions of regionalism are considered.

**Prerequisites:** A minimum grade of B- in 1.5 units of 100- or 200-level Geography.

**GEOG 308**
-- Units: 1.5
-- Hours: 2-3
**Introduction to GIS**
Fundamentals and sources of geographic information, basic skills in geographic data browsing and query, and introductory skills in thematic map production. Laboratory component introduces GPS and commercial geographic information software solutions.

**Note:** Credit will be granted for only one of 308, 222. This course is intended for students with a general interest in the field of geomatics. This course does not qualify as a prerequisite for advanced Geography courses and cannot be counted as upper-level Geography in any of the BSc programs.

**GEOG 314**
-- Units: 1.5
-- Hours: 3-2
**Global Environment Change and Human Response**
This course is based on four components: global environmental change; sustainable development; biodiversity; and population impoverishment and environmental degradation. Lectures and discussion emphasize the causes of global change, the present and expected impacts on natural and social systems, and response strategies that have been proposed or enacted.

**Note:** Credit will be granted for only one of 314, 214.

**Prerequisites:** Minimum grade of B- in 209.

**GEOG 319**
-- Units: 1.5
-- Hours: 3-3
**Remote Sensing of the Environment**
Focuses on physical principles underlying remote sensing and electromagnetic propagation in free space and matter, attenuation, absorption and scattering mechanisms, interaction of energy with the atmosphere and Earth materials such as vegetation, soil, rock, water and urban structures; and microwave/LIDAR interaction with Earth materials.

**Prerequisites:** Minimum grade of B- in 228; 1.5 units of CSC, 1.5 units of MATH.

**GEOG 322**
-- Units: 1.5
-- Hours: 3-3
**Digital Remote Sensing**
Processing and analysis of digital remotely sensed data. Data from various sources will be discussed and analysed with respect to their applicability in geographical sciences. Laboratory assignments will use image analysis software in a variety of applications.

**Prerequisites:** Minimum grade of B- in 228; 1.5 units of CSC, 1.5 units of MATH.
GEOG 323 Units: 1.5 Hours: 3-3
Cartography
Introduces topographic and thematic cartography. Emphasis on cartographic data manipulation, generalization, and symbolization; map design, visualization and communication. Laboratory assignments will provide practical experience in designing and drafting maps. Students will be charged a laboratory fee.
Prerequisites: Minimum grade of B- in 228; 1.5 units of CSC; 1.5 units of MATH.

GEOG 324 Units: 1.5 Hours: 3-0
Directions in Geography
An intellectual history of geographical thought, concentrating on trends, ideologies and controversies since 1960. Idiographic, nonnomothetic, 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, tachometry, GPS and photogrammetry, and their applications to field work.
Prerequisites: Minimum grade of B- in 222; 1.5 units of MATH.

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: Minimum grade of B- in 226 or STAT 235 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
GIS for Natural Science
The theory and principles of geographic information sciences are applied to examples from the natural sciences. Foci are on the theory and use of GIS for environmental modelling, surface analysis, resource management and landscape visualization. Laboratory exercises will provide practical experiences.
Prerequisites: Minimum grade of B- in 228; 1.5 units of CSC; 1.5 units of MATH.

GEOG 329 Units: 1.5 Hours: 2-3
GIS for Social Sciences
The theories and principles of geographic information sciences are introduced and applied to examples from the social sciences. Foci are on the theory and use of GIS for social, urban, transportation planning, business demographics including marketing, medical and health geography, tourism geography and historical analysis. Laboratory exercises will provide practical experience.
Prerequisites: Minimum grade of B- in 228; 1.5 units of CSC; 1.5 units of MATH.

GEOG 340 Units: 1.5 Hours: 3-0
Formerly: 340B or one half of 349
Geography of the City
Examination of the forces shaping the internal structure of the contemporary city. Topics include: the land-use and spatial structure of cities; building the city; architecture of downtown and suburban areas; patterns of class and ethnicity in the changing city; suburbanization and family life; urban problems and planning the post-industrial city.
Note: Credit will be granted for only one of 340, 340B, 349.
Prerequisites: Minimum grade of B- in 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.
Prerequisites: Minimum grade of B- in 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: Minimum grade of B- in 211.

GEOG 346 Units: 1.5 Hours: 3-0
Geography of Environment and Health
Theories and methods involved in environment and health research from a medical geographical perspective. “Environment” includes urban, social, political, cultural and physical environments. “Health” includes complete social, physical, and emotional well-being. Current issues in environment and health will be placed within a wider social/community context.
Prerequisites: Minimum grade of B- in 211.

GEOG 347A Units: 1.5 Hours: 3-0
Formerly: half of 347
Geography of Economic and Cultural Change: Developed World
A systematic treatment of factors affecting change, and a description and evaluation of their impact on cultural landscapes. Topics include: growth; innovation; diffusion; communications; migration and urban/rural disparities. Attention will focus on the dynamics of change in the developed countries of Europe and North America.
Note: Credit will be granted for only one of 347A, 347.
Prerequisites: 4.5 units of 100- or 200-level Geography.

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 200A and 200B recommended.

GEOG 348 Units: 1.5 Hours: 3-0
Formerly: 348B or one half of 349
Geography of the City
Examination of the forces shaping the internal structure of the contemporary city. Topics include: the land-use and spatial structure of cities; building the city; architecture of downtown and suburban areas; patterns of class and ethnicity in the changing city; suburbanization and family life; urban problems and planning the post-industrial city.
Note: Credit will be granted for only one of 340, 340B, 349.
Prerequisites: Minimum grade of B- in 211.

GEOG 349 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.
Prerequisites: Minimum grade of B- in 211.

GEOG 350 Units: 1.5 Hours: 3-0
Formerly: 340B or one half of 349
Geography of the City
Examination of the forces shaping the internal structure of the contemporary city. Topics include: the land-use and spatial structure of cities; building the city; architecture of downtown and suburban areas; patterns of class and ethnicity in the changing city; suburbanization and family life; urban problems and planning the post-industrial city.
Note: Credit will be granted for only one of 340, 340B, 349.
Prerequisites: Minimum grade of B- in 211.

GEOG 351 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.
Prerequisites: Minimum grade of B- in 211.

GEOG 352 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.
Prerequisites: Minimum grade of B- in 211.

GEOG 353 Units: 1.5 Hours: 3-0
Formerly: 452
Coastal and Marine Resources I
This seminar course reviews and critiques marine resource policies and programs that have shaped human relationships with the world oceans and coastlines. Topics include: multi- and transjurisdictional management issues; the common property nature of the oceans; biophysical aspects of marine resource management; and human responses to marine issues.
Note: Credit will be granted for only one of 353, 452.
Prerequisites: Minimum grade of B- in 209 or 214.

GEOG 354 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 park systems. Topics include: the history and philosophy of protected areas; international classifications and examples; role of native peoples; carrying capacity; visitor management; interpretation; ecosystem integrity; ecosystem management; and a variety of case studies.
Note: Credit will be granted for only one of 357, 455, 459A, 459B.
Prerequisites: Minimum grade of B- in 209 or 214.

GEOG 370 Units: 1.5 Hours: 2-2
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: Minimum grade of B- in one of 120, 213, 217, or EOS 120.

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: Minimum grade of B- in 209 or 214.

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: Minimum grade of B- in one of 110, 213, 216, 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: Minimum grade of B- in one of 110, 213, 216, or EOS 110.
### GEOG 374 Units: 1.5 Hours: 2-2
**Biogeography**
An analysis of the organization of biotic systems. Origins, dispersals, evolution, and limiting physical, biotic and cultural factors as they relate to present day distribution patterns and ecological relationships will be considered. Particular attention will be paid to: the nature of ecological relationships; the landscape patterns resulting from these relations; the dynamic character of ecosystems; the impact of humans upon ecological processes and ecosystem character.
**Prerequisites:** Minimum grade of B- in one of 110, 213, 216, or EOS 110; BIOL 150A and 190B recommended.

### GEOG 375 Units: 1.5 Hours: 3-0
**Forest Resource Management**
An examination of the geographical and ecological parameters of forest systems and the relationships of these parameters to actual and potential resource use. Major emphasis will be placed on the coastal forest resources of British Columbia, with comparisons drawn from Europe and United States examples. Topics include: forests as functioning ecological and management units; historical development and current changes in management policy; and possible trends in future resource policies.
**Prerequisites:** Minimum grade of B- in 209 or 214.

### GEOG 376 Units: 1.5 Hours: 2-2
**Geomorphology I**
Introduction to Earth surface processes and landforms. Fluvial, aeolian, coastal, glacial and periglacial environments. Stresses geomorphology as an applied science with emphasis on measurement and analysis of processes and landforms. Involves a field trip.
**Prerequisites:** Minimum grade of B- in one of 120, 213, 217, or EOS 120; 219 recommended.

### GEOG 377 Units: 1.5 Hours: 2-2
**Applied Geomorphology**
A detailed examination of the social relevance of geomorphology, in which three areas receive emphasis: terrain analysis; terrain stability; and natural hazards. Field trips and participation in a group research project are involved.
**Prerequisites:** Minimum grade of B- in one of 120, 213, 217, or EOS 120.

### GEOG 379 Units: 1.5 Hours: 2-2
**Pedology**
An examination of soil genesis, distribution, and classification systems. Attention will focus on the interplay of biophysical factors and processes that influence soil development, on soil types and characteristics in different pedogenic regimes, and on selected aspects of soil management and conservation. The course will involve field work, basic laboratory analysis and completion of a research project.
**Prerequisites:** Minimum grade of B- in one of 110, 213, 216, or EOS 110.

### GEOG 382 Units: 1.5 Hours: 3-0
Formerly: 367 and 467 and 463A
**Geography of Southeast Asia**
A systematic geography of the countries of Southeast Asia. Topics include physical and cultural landscapes, regional variations, and problems associated with modernization and underdevelopment, such as settlement, land reform, urbanization and environment.
**Note:** Credit will be granted for only one of 382, 367, 463A, 467.
**Prerequisites:** 4.5 units of 100- or 200-level Geography; PACI 200A and 200B recommended.

### GEOG 383 Units: 1.5 Hours: 3-0
Also: PACI 383
Formerly: 364 and 464A
**Physical and Cultural Geography of China**
A study of the physical environment of China and the role of the Chinese people in molding and changing the landscape over the past four thousand years. The subject matter will deal primarily with conditions pertaining to the Chinese and the Chinese people in the period up to 1979, and provide an essential basis for appreciation of the transformation of China since 1949.
**Note:** Credit will be granted for only one of GEOG/PACI 383, GEOG 364, 464A
**Prerequisites:** PACI 210 (or 200a and 200b); or 4.5 units of 100- or 200-level Geography

### GEOG 384 Units: 1.5 Hours: 3-0
**Geography of Japan**
An introduction to the physical geography of Japan, human implications of the physical environment, resource-based industries and regional variations.
**Note:** Credit will be granted for only one of 384, 465. Open to students with credit in 365.
**Prerequisites:** 4.5 units of 100- or 200-level Geography.

### GEOG 385 Units: 1.5 Hours: 3-0
Formerly: 378
**Environmental Aesthetics**
This course derives from the traditional concern of geographers with the appearance, meaning, and value of landscape. Aesthetic sensitivities in natural, rural and built environments are considered. Following discussion of current environmental aesthetic theory, the varying approaches of contemporary practitioners in humanistic and applied geography, architecture and planning are investigated. The implications for managing environments are discussed.
**Note:** Credit will be granted for only one of 385, 378.
**Prerequisites:** 4.5 units of 100- or 200-level Geography.

### GEOG 386 Units: 1.5 Hours: 3-0
Formerly: 348
**World Political Geography**
This course examines the ways in which political power at the national and international levels is influenced by the geographical features of the areas in which it operates. Themes include: the geographer’s contribution to geopolitics; military geography; propaganda cartography; and the environmental consequences of nuclear war.
**Note:** Credit will be granted for only one of 386, 348.
**Prerequisites:** 4.5 units of 100- or 200-level Geography.

### GEOG 388 Units: 1.5 Hours: 3-0
Formerly: 466
**Regional Studies**
Geography of a selected region of the world from a systematic perspective. Topics include: the physical and human landscape; settlement; economic, political and social geography; spatial variation in modernization and economic growth. Students are advised to consult the Department for an outline of the regions covered in any year.
**Note:** Not open to students with credit in 466 without permission of the Department. May be taken more than once for credit in different topics with permission of the Department.
**Prerequisites:** 4.5 units of 100- or 200-level Geography.

### GEOG 389 Units: 1.5 Hours: 2-3
**Geo-visualization**
Explores trends in computer graphics and animation as applicable to spatial data. Studies a variety of spatial graphics encoding formats and offers programming experience using a number of graphics programs that support spatial data visualization, including SVG. Topics covered include internet mapping, virtual environments, animation, and ubiquitous mapping.
**Prerequisites:** CSC 110, 115; GEOG 222, 228, 323
**Pre- or corequisites:** At least two of GEOG 319, 322, 328, 329

### GEOG 391 Units: 1.5 Hours: 2-3
**Implementing Corporate Spatial Databases**
Explores the technological as well as jurisdictional and operational issues that must be considered when implementing corporate geomatics initiatives, including coverage of metadata standards and social, economic, strategic and security considerations that underlie spatial data sharing. Introduces corporate spatial database and data distribution/dissemination technologies; international, national and vendor specific spatial data standards initiatives; and national and provincial spatial data infrastructure initiatives.
**Prerequisites:** CSC 110, 212, 225, 360, 370; GEOG 222, 228; GEOG 328 or 329
**Pre- or corequisites:** At least one of GEOG 319, 322, 323

### GEOG 414 Units: 1.5 Hours: 2-3
**Advanced Spatial Analysis and Geo-statistics**
Explores advanced topics in the numerical analysis of points, lines, areas, and surfaces in discrete and continuous space, drawing on methodologies from geo-statistics, spatial analysis, regional sciences and landscape ecology. Includes coverage of spatial systems modelling and simulation, spatio-temporal analysis, exploratory spatial analysis and spatial data mining.
**Prerequisites:** MATH 102 and 151, or MATH 100 and 101; GEOG 222, 228, 226, 326
**Pre- or corequisites:** At least two of GEOG 319, 322, 323, 328, 329

### GEOG 420 Units: 1.5 Hours: 3-0
**Field Studies in Geomatics**
The science and practice of Geomatics is examined through field and laboratory techniques. Includes a week-long field camp where data capture and data processing techniques are employed leading to data in preparation for a project and report.
**Prerequisites:** 6 units of 319, 322, 323, 325, 328 and 329; permission of the instructor by March 15 of previous Winter Session.

### GEOG 422 Units: 1.5 Hours: 2-2
**Advanced Topics in Digital Remote Sensing**
Aspects of remote sensing including processing and classification of digital satellite and airborne data and digital elevation modelling. Emphasis will be placed on the processes of interpreting remotely sensed data, the enhancement of digital data for visual analysis and the integration of remotely sensed data with other spatial data.
**Note:** Students are encouraged to take both 319 and 322.
**Prerequisites:** 319 or 322.

### GEOG 425 Units: 1.5 Hours: 3-0
**Survey Methods and Analysis in Geography**
An advanced research seminar in the use of qualitative methods in human geography.
**Prerequisites:** 327; 226 recommended.
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<tr>
<td>GEOG 482</td>
<td>1.5</td>
<td>3-0</td>
<td>Special Topics in the Geography of Southeast Asia</td>
</tr>
</tbody>
</table>

Note: Credit will be granted for only one of 428, 423. 

Prerequisites: 323 and one of 328 or 329.
but will generally focus on resource management and development issues.

**Note:** Credit will be granted for only one of 482, 486. Course may be taken only once for credit.

**Prerequisites:** 382.

**GEOG 483**

Units: 1.5  
Hours: 3-0  
Also: PACI 483  
Formerly: 365 or 464B  

**Political and Economic Geography of China**

This course consists of two parts. Part One examines the impacts of Western colonization on the economy of China, the search for new political and economic forms, and the structure of the Communist government. Part Two focuses on the economic policies and development of China after 1949, and a geographical study of selected administrative or economic regions.

**Note:** Credit will be granted for only one of 483, 365, 464B, PACI 483.

**Prerequisites:** 383 or PACI 319A or PACI 319B or PACI 383.

**GEOG 485**

Units: 1.5  
Hours: 3-0  
Formerly: 469  

**Landscapes of the Heart**

Grounded in humanistic geography and qualitative methods, this course investigates the meaningful non-tangible relationships between humankind and environment. These relationships include emotional attachment (to place), aesthetics (of landscape), ethics (of environment), and spirituality (sacred space).

**Note:** Credit will be granted for only one of 485, 489.

**Prerequisites:** 385 or permission of the instructor.

**GEOG 490**

Units: 1.5 or 3  

**Directed Studies in Geography**

In special cases, with the consent of the Department and the individual instructor concerned, a student may be permitted to pursue a course of directed studies.

**Note:** Courses of 1.5 or 3 units may be arranged, but no student is permitted to take more than 3 units of directed studies. In order to qualify for a 490 course a student must have at least a 6.00 GPA in the previous 15 units of university work.

**GEOG 491**

Units: 1.5  
Hours: 3-0  

**Advanced Special Topics in Geography**

Examination of a specific topic or area in Geography. Topic(s) vary depending on faculty interests and availability. The seminar format of this course requires students to participate orally in class and to submit a term paper.

**Note:** May be taken twice for credit in different topics.

**Prerequisites:** Minimum grade of B- in one of 101A, 101B, 110, 120, EOS 110, 120, and third-year standing.

**GEOG 499**

Units: 3.0  
Hours: 3-0  

**Honours Seminar and Essay**

It is recommended that honours students take the honours seminar in their third year. Honours students must register for the honours seminar and essay when admitted to the program. Students who register in their third year will receive a grade of INP until the essay is completed. The essay will be submitted at the end of the fourth year.

**Grading:** INP, letter grade

**GER**

**German Department of Germanic and Russian Studies**

**Faculty of Humanities**

**Courses in German language.**

**GER 100A**

Units: 1.5  
Hours: 3-0  
Formerly: First half of 100  

**Beginners’ German I**

This course is for students with no previous knowledge of German and who wish to acquire a command of the spoken and written language. It includes instruction in essential points of grammar, basic vocabulary, and fundamental structures for everyday interaction, as well as reading and writing. Includes practice in the Language Centre.

**Note:** Credit will be granted for only one of 100A, 100.

**GER 100B**

Units: 1.5  
Hours: 3-0  
Formerly: Second half of 100  

**Beginners’ German II**

Expansion of knowledge and skills acquired in 100A. Progress towards command of the spoken and written language in preparation for intermediate work. Practice in the Language Centre will reinforce basic speech patterns and idioms. On completion of 100A and 100B the student will possess a basic proficiency in German.

**Note:** Credit will be granted for only one of 100B, 100.

**GER 149**

Units: 6.0  
Hours: 5-2  

**Intensive German**

For students with no previous knowledge of German or insufficient knowledge to enter 200, this course is designed to cover a basic two year study of the German language in one year (equivalent to 100 plus 200) and to provide a rapid and thorough grounding in how to read, write and speak German, with emphasis on making practical use of the language as early as possible. In addition, readings of short texts will be introduced at an early stage and films and slides will be shown to illustrate aspects of German-speaking countries and to serve as topics for conversation practice.

**Note:** Credit will not be given for GER 149 and 100A, 100B, 100, 140, 200. Students with credit for 100 or 140, or equivalent knowledge, may not take this course for credit. Students not making satisfactory progress will be advised to transfer to 100.

**GER 200**

Units: 1.5  
Hours: 3-0  

**Intermediate German**

A concentrated grammar review. Intensive practice of written and oral structures, using both traditional textbook and modern computerized language-learning materials will be complemented by readings of small selection of relevant contemporary texts. This course is recommended as a preparation for 251 and 252.

**Note:** Credit will be granted for only one of 200, 149.

**GER 252**

Units: 1.5  
Hours: 3-0  

**Conversational German**

Special emphasis on reading and speaking German. Short literary and journalistic German texts will be used for oral practice, to develop reading skills, and for brief written assignments.

**GER 300**

Units: 1.5, formerly 3  
Hours: 3-0  

**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.

**GER 352**

Units: 1.5  
Hours: 3-0  

**Advanced Oral German: I**

Conducted entirely in German. Designed to increase oral proficiency and to develop comprehension of oral and written German.

**GER 390**

Units: 1.5  
Hours: 3-0  

**German Reading Course**

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.

**Note:** Credit will be granted for only one of 390, 100, 140. Limited normally to students in third or fourth year or in graduate studies.

**GER 400**

Units: 1.5, formerly 3  
Hours: 3-0  

**Advanced 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.

**GER 452**

Units: 1.5  
Hours: 3-0  

**Advanced Oral German: II**

A continuation of 352, conducted entirely in German. Designed to increase oral proficiency and to develop comprehension of oral and written German.

**GER 453**

Units: 1.5  
Hours: 3-0  

**Advanced Translation**

A comparative study of idiomatic usages of English and German, and of related problems in translation; practice in translation from English to German, and from German to English.

**GER 471**

Units: 1.5  
Hours: 3-0  
Formerly: Half of 403  

**The Evolution of Early German**

A survey of the evolution of German from its Germanic origins to the mid-15th century. Focus is on historical influences affecting Old and Middle German, e.g. the Dark Ages, the Carolingian era, 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.

**Note:** Credit will be granted for only one of 471, 403.

**GER 472**

Units: 1.5  
Hours: 3-0  
Formerly: Half of 403  

**The Evolution of Modern German**

The course examines the influences affecting German since the invention of the printing press. These include Luther, French and English, prescriptive grammarians, German writers and scientists, industrialization, and politics and commerce in this century.

**Note:** Credit will be granted for only one of 472, 403.

**GER 499**

Units: 1.5  

**Honours Graduating Essay**

During either semester of the final year of their Honours program, students will write a graduating essay in German of approximately 7,500 words under the direction of a member of the Department. The essay must conform to acceptable standards of style and format and be submitted before the end of classes. An oral examination covering the topic of the essay will be given by a Departmental committee.
GER 160  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 160

**Major Figures of German Culture**

Major figures of German culture and their significance for the development of German-speaking countries. Among the topics to be studied: Johann Wolfgang von Goethe and the development of printing: Martin Luther; the Faust-myst; major figures of the German Enlightenment; the Brothers Grimm; 19th century figures: Schopenhauer; Nietzsche; Wagner; Marx; and 20th century figures: Freud; Jung; Thomas Mann; Rosa Luxemburg; Kafka; Hesse; Leni Riefensteh; Brecht; Christa Wolf.

**Note:** Credit will be granted for only one of GERS 160, GER 160. No knowledge of German required.

GER 254  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 254

**Introduction to German Literature**

A study of literary selections from the Middle Ages to the present with special emphasis on the 20th century. Students will read widely, develop an awareness of literary movements, and be introduced to basic techniques of literary criticism.

**Note:** Credit will be granted for only one of GERS 254, GER 254.

GER 261  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 261

**Modern Germany**

An examination of modern cultural and political changes in Germany. Material will be drawn from literary and documentary texts, analytical essays and films.

**Note:** Credit will be granted for only one of GERS 261, GER 261. No knowledge of German required.

GER 305*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 405, GER 405

**Novelle and Short Story**

As the most “dramatic” of the shorter narrative forms, the Novelle gave rise in the 19th century to many attempts to define its characteristic form and its emphasis on intrigue, horror, love and the apparently inexplicable aspects of life. Against this background, the course will examine works reflecting such literary movements as Naturalism, Expressionism and Impressionism.

**Note:** Credit will be granted for only one of GERS 305, GER 305, GER 426. No knowledge of German required.

GER 310  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 310

**German Literature in English Translation**

A study of major works of German Literature from the 18th century to the present day. This course is intended as an elective for students in any faculty.

**Note:** Credit will be granted for only one of GERS 310, GER 310 [1.5], or [3.0]. Open to Major and Honours students in German as an elective only. No knowledge of German required.

GER 354*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 354, GER 426

**Introduction to Twentieth Century Literature (Pre-1945)**

Within a context of political and social transformation, the course will examine works reflecting such literary movements as Naturalism, Expressionism and Impressionism.

**Note:** Credit will be granted for only one of GERS 354, GER 354, GER 426. No knowledge of German required.

GER 356  
**Units:** 1.5  
**Hours:** 3-0

**A Short History of German Film**

An overview of German film-making from the early days of expressionism up to the New German Cinema. Films may include: The Cabinet of Dr. Caligari, Metropolis, M, The Murderers Are Among Us, All: Fear Eats the Soul.

**Note:** May count toward a Minor in Film Studies. No knowledge of German required.

GER 370*  
**Units:** 1.5  
**Hours:** 3-0

**Portraits of Women in German Literature from Medieval to Postmodern Times**

Compares and contrasts representations of women in poetry, drama and short prose by male and female authors throughout the ages, and introduces the students to the study of a literary phenomenon in light of both its changing historical context and its treatment in different literary genres.

**Note:** No knowledge of German required.

GER 411*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 411

**Medieval German Literature**

An introduction to chivalric literature and civilization through the study of writers and their works, mainly from the first Blütezeit in German literature (1170-1250); early Minnesang, Walther von der Vogelweide, Nibelungenlied, Hartmann von Aue, Wolfram von Eschenbach, and others. The course will also provide a basic introduction to the Middle High German language through study of the original texts.

**Note:** Credit will be granted for only one of GERS 411, GER 411. May count towards a Double Major with Medieval Studies. No knowledge of German required.

GER 417*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 416 and 418; GER 417

**Storm and Stress to Classicism: Revolution and Tradition**

This course examines works of Goethe, Schiller and others, from the mid-1770s to the early 1800s. 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.

GER 420*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 420

**Faust**

A study of selected sections of Parts I and II of Goethe’s work against the background of the Faust-myth and its traditions.

**Note:** Credit will be granted for only one of GERS 420, GER 420. No knowledge of German required.

GER 422*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 422

**Romanticism**

Rooted firmly in German Idealism, this artistic movement spanned the four decades from the 1790s to the 1830s. It explored new realms of the imagination, turning to myth, folklore, fairy-tale, fantasy, dream. Giving due attention to philosophy, art and music, this course studies works by authors such as Tieck, Novalis, Brentano, E.T.A. Hoffman and the Schlegels, and probes the diversity of their poetry and prose.

**Note:** Credit will be granted for only one of GERS 422, GER 422. No knowledge of German required.

GER 424*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 423 and 425; GER 424

**Nineteenth Century: Realism**

This course studies the changes and contrasts that characterize the literature and history of the nineteenth century from the Congress of Vienna (1815), through the rising materialism and social unrest of the mid-century, to the golden age of Bourgeois Realism in the second half of the century. Themes include the effects of urbanization, the search for ethical stability, and the redefinition of sexual roles.

**Note:** Credit will be granted for only one of GERS 424, GER 424, GER 424, GER 425. No knowledge of German required.

GER 427*  
**Units:** 1.5  
**Hours:** 3-0

**The Dark Side of the Enlightenment: Madness in Literature**

Representations of madness in 19th and 20th century German literature against the backdrop of the Enlightenment ideals of rationality, science, human nature, art, and civilization. Examines both the glorification of madness as an artistic ideal as well as the social forces at play in different periods to generate normative ideas of gender, sexuality, culture, morality by way of labeling marginal social elements as mad.

**Note:** No knowledge of German required.

GER 433  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 433

“Overcoming the Past” in Film and Text

This course examines how German film-makers and writers have dealt with the problem of “overcoming the past.” Films (e.g. Mephisto, The Nasty Girl) and texts (e.g. The Tin Drum) that deal with the burden of the Nazi past will be examined as creative works and as social documents.

**Note:** Credit will be granted for only one of GERS 433, GER 433. May count towards a Minor in Film Studies. No knowledge of German required.

GER 436*  
**Units:** 1.5  
**Hours:** 3-0  
Formerly: GER 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.
COURSE LISTINGS

GERS 437 Units: 1.5 Hours: 3-0
Major German Filmmakers
A study of the films of one major filmmaker from a German-speaking country, whose impact on cinema as an art form has been wide-ranging and international in scope. Directors may include Fritz Lang, Leni Riefenstahl, Werner Herzog, Margarethe von Trotta and Tom Tykwer. Students are asked to consult the Departmental handbook for more detailed information regarding the specific director to be covered during the academic year.

Note: May count towards a Minor in Film Studies. May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GERS 438A* Units: 1.5 Hours: 3-0
Formerly: GERS 438
Special Topics
Note: May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GERS 438B* Units: 1.5 Hours: 3-0
Formerly: GERS 438B
Special Topics
Note: May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GERS 439 Units: 1.5 Hours: 3-0
Formerly: GERS 439
The New German Cinema
A study of major accomplishments of the New German Cinema. This course will consider film as both a narrative form and a means of reflecting social concerns.

Note: Credit will be granted for only one of GERS 439, GERS 433. May count towards a Minor in Film Studies. No knowledge of German required.

GERS 440 Units: 1.5 Hours: 3-0
Formerly: GERS 440
Kafka
A study of the works of Kafka, including The Metamorphosis, The Trial, In the Penal Colony, and A Country Doctor. Various approaches to Kafka’s works will be discussed.

Note: Credit will be granted for only one of GERS 440, GERS 444. No knowledge of German required.

GERS 441 Units: 1.5 Hours: 3-0
Formerly: GERS 441
Brecht
A study of the works of Bertolt Brecht, including The Threepenny Opera, Mother Courage, The Life of Galileo, The Caucasian Chalk Circle, and The Good Person of Szechuan. The context in which Brecht wrote will be examined, as well as the changing political judgement of his works.

Note: Credit will be granted for only one of GERS 441, GERS 444. No knowledge of German required.

GERS 443 Units: 1.5 Hours: 3-0
Formerly: GERS 443
Christa Wolf
A study of Christa Wolf’s major novels and essays. Special attention will be paid to her life and politics in the German Democratic Republic, her role in German unification, and the heated literary and political debate surrounding her text What Remains.

Note: Credit will be granted for only one of GERS 443, GERS 444. No knowledge of German required.

GERS 444* Units: 1.5 Hours: 3-0
Formerly: GERS 444
Women Writers
A study of novels from the Second Women’s Movement (1970’s and after) by German, Austrian, and Swiss women writers. In addition, theoretical readings, short stories, and poems will be discussed.

Note: Credit will be granted for only one of GERS 444, GERS 444. No knowledge of German required.

GERS 481* Units: 1.5 Hours: 3-0
German Literature: The Last Two Decades
A study of German-speaking authors who have achieved international recognition in recent years. Writers to be considered may include: Bernhard Schlink, Ursula Hegi, Thomas Brussig, Uwe Timm.

Note: No knowledge of German required.

GERS 483 Units: 1.5 Hours: 3-0
Recent German Film
An introduction to German films after the New 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 myth and its various guises from classicism to postmodernism in novels, short stories, and films.

Note: May count towards a Minor in Film Studies. No knowledge of German required.

GREE Greek
Department of Greek and Roman Studies
Faculty of Humanities

GREE 301 Units: 1.5 Hours: 4-0
Formerly: part of 100
Introductory Ancient Greek: I
A basic introduction to ancient Attic Greek. The course is based on reading and translating progressively more challenging passages in ancient Greek, with emphasis on acquiring basic vocabulary and rules of grammar. In addition to in-class hours students will practise forms and grammar one hour per week in the Language Centre.

Note: Credit will be granted for only one of 101, 100.

GREE 302 Units: 1.5 Hours: 3-0
Formerly: part of 200
Advanced Greek Grammar
Review of grammar covered in 101 and 102, followed by study of more advanced grammatical constructions. Readings will provide a transition from simplified language to unmodified literary Greek.

Note: Credit will be granted for only one of 201, 200.
Prerequisites: 102 or permission of the Department.

GREE 303 Units: 1.5 Hours: 3-0
Formerly: 390A
Homer
Intensive reading of selections from the Iliad and/or the Odyssey. Intended to facilitate reading ability in ancient Greek by building upon foundations of the first and second-year courses.

Note: Credit will be granted for only one of 301, 309A.
Prerequisites: 202 or permission of the Department.

GREE 304 Units: 1.5 Hours: 3-0
Formerly: 390B
Euripides and Sophocles
Reading and grammatical and literary analysis of one or more plays of Euripides and Sophocles. Readings will typically include one play by each author.

Note: Credit will be granted for only one of 302, 390B.
Prerequisites: 202 or permission of the Department.

GREE 305 Units: 1.5 Hours: 3-0
Formerly: 390E
Herodotus and Xenophon
Selected readings from Herodotus and the historical works of Xenophon.

Note: Credit will be granted for only one of 303, 390E.
Prerequisites: 202 or permission of the Department.

GREE 306 Units: 1.5 Hours: 3-0
Formerly: 390F
Plato
Reading and grammatical and literary analysis of one or more dialogues or other texts of Plato.

Note: Credit will be granted for only one of 304, 390F.
Prerequisites: 202 or permission of the Department.
GREE 305 Units: 1.5 Hours: 3-0
Formerly: 405 and part of 490E
Greek Orators
Readings from select orators of the fourth century. Selections may include Demosthenes, Lysias, Isocrates and Antisthenes.
Note: Credit will be granted for only one of 305, 405, 490E.
Prerequisites: 202 or permission of the Department.

GREE 306 Units: 1.5 Hours: 3-0
Aristophanes
Reading and literary analysis of one or more plays.
Prerequisites: 202 or permission of the Department.

GREE 401 Units: 1.5 Hours: 3-0
Formerly: part of 490A
Hesiod and the Homeric Hymns
An intensive study of the archaic Greek hexameter poetry of Hesiod and the Homeric Hymns. The course will examine the similarities and differences between the Homeric texts of the Iliad and the Odyssey, the didactic and cosmological poetry of Hesiod and the literary format of the Homeric Hymns. Select readings from Hesiod and the Homeric Hymns.
Note: Credit will be granted for only one of 401, 490A.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, including 301, or permission of the Department.

GREE 402 Units: 1.5 Hours: 3-0
Formerly: 490B
Greek Lyric Poets
Intensive introduction to archaic Greek lyric poetry. Authors studied will include Archilochus, Solon, Sappho, Alcaeus, Anacreon, and Simonides. In addition to literary analysis, attention will also be paid to the varieties of lyric metre.
Note: Credit will be granted for only one of 402, 490B.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, or permission of the Department.

GREE 404 Units: 1.5 Hours: 3-0
Formerly: part of 490E
Greek Historians
Advanced reading in selected Greek historians. Special attention will be given to Herodotus and Thucydides.
Note: Credit will be granted for only one of 404, 490E.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, or permission of the Department.

GREE 406 Units: 1.5 Hours: 3-0
Hellenistic Greek Authors
Reading and analysis of major Hellenistic authors. Texts studied may include selections from Apollonius, Callimachus, Theocritus, Moschus, Bion, and epigrams from the Greek Anthology.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, or permission of the Department.

GREE 407 Units: 1.5 Hours: 3-0
Formerly: part of 403 and 490C
Aeschylus
Reading and analysis of major plays by the first great fifth-century Athenian dramatist.
Note: Credit will be granted for only one of 407, 403, 490C.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, including 302, or permission of the Department.

GREE 408 Units: 1.5 Hours: 3-0
Formerly: part of 403 and 490D
Greek Comedy
Examination of the Greek comic tradition through selected readings in the plays of Aristophanes and Menander.
Note: Credit will be granted for only one of 408, 403, 490D.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, or permission of the Department.

GREE 409 Units: 1.5 Hours: 3-0
Formerly: part of 403 and 490D
Greek Comedy
Examination of the Greek comic tradition through selected readings in the plays of Aristophanes and Menander.
Note: Credit will be granted for only one of 408, 403, 490D.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, or permission of the Department.

GREE 404 Units: 1.5 Hours: 3-0
Formerly: part of 403 and 490D
Greek Comedy
Examination of the Greek comic tradition through selected readings in the plays of Aristophanes and Menander.
Note: Credit will be granted for only one of 408, 403, 490D.
Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, or permission of the Department.

GREE 300 Units: 1.5 Hours: 3-0
Formerly: CLAS 300
Greek Epic
The course will examine epic genre in Greek literature through reading Homer's Iliad and Odyssey and Apollonius' Jason and the Argonauts. Themes may include the definition of the genre of epic, the nature of heroism, mortality, and the construction of gender.
Note: Credit will be granted for only one of 300, CLAS 300.
Prerequisites: 100, 200 or permission of the Department.

GREE 301 Units: 1.5 Hours: 3-0
Formerly: CLAS 301 and CLAS 201
Tradition and Originality in Classical Literature
The course will study how ancient writers created art for their own time and culture by reshaping the work of their literary predecessors. Readings will be drawn from various genres which may include pastoral, elegy, and epic.
Note: Credit will be granted for only one of 301, CLAS 201, CLAS 301.
Prerequisites: 100 or permission of the Department.

GREE 312 Units: 1.5 Hours: 3-0
Greek and Roman Satirical Literature
A study of social and political satire in the ancient world, particularly at Rome. Readings will include the Roman satirists Horace, Persius and Juvenal.
Prerequisites: None; 100 or one 300 level GRS course recommended.

GREE 314 Units: 1.5 Hours: 3-0
Age of Nero
Nero, the last of the Julio-Claudian emperors, promoted an artistic golden age to rival that of the first emperor, Augustus. Topics for study may include: literary authors such as Seneca, Lucan, Persius and Petronius; Nero's extravagant building projects in Rome; his reputation, ancient and modern, as an artist-emperor.
Note: Credit will be granted for only one of 314, 325 (if taken in the same topic).
Prerequisites: 100 or permission of the instructor.

GREE 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. Principally works studied will include Petronius' Satyricon, Apuleius' Golden Ass, Longus' Daphnis and Chloe, and other Greek romances of the Roman imperial period.
Prerequisites: None; 100 or one 300 level GRS course recommended.

GREE 320 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: None; 100 or one 300 level GRS course recommended.

GREE 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.
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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 326. May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 100 or 200, or permission of the instructor.

GRS 326  Units: 1.5  Hours: 3-0
Formerly: CLAS 326
Topics in Greek and Roman Civilization
The course has variable content and may be taken more than once, to a maximum of 3 units, for credit in different topics.
Note: Credit will be granted for only one of 326, CLAS 326.
Prerequisites: 100 or 200, or permission of the Department.

GRS 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
Greek History From the Bronze Age to Alexander
A survey of significant developments from the collapse of Mycenaean, through the period of colonization, to the rise of the city-state. Democracy in Athens, the Athenian empire, and the rise of Macedon will be studied in some detail.
Note: Credit will be granted for only one of 331, CLAS 330.

GRS 332  Units: 1.5  Hours: 3-0
Formerly: part of CLAS 330
Social and Economic History of Greece
Topics will include women and the family in the Greek city-state including medical practices, inheritance law, household management, slavery, agriculture, and banking; systems of social organization and control.
Note: Credit will be granted for only one of 332, CLAS 330.
Prerequisites: None; 331 recommended.

GRS 333  Units: 1.5  Hours: 3-0
Formerly: part of CLAS 330
Alexander and the Hellenistic Age
The career of Alexander and its impact on the Mediterranean world; the collapse of political unity on his death, the rise of the Ptolemies, the literature, art, and political and social history of the Hellenistic age.
Prerequisites: 331 or permission of the Department.

GRS 334  Units: 1.5  Hours: 3-0
Democracy and the Greeks
An introduction to Greek views of democracy and democratic practices, their history under the Roman Empire, and their impact on modern democratic theory.
Prerequisites: 100 or permission of the Department.

GRS 335  Units: 1.5  Hours: 3-0
Formerly: CLAS 335
Women in the Greek and Roman World
The position of women, and attitudes towards them, in Greek and Roman society. Topics may include women and religion; women and medicine; the legal position of women; women and politics; the economic role and position of women; marriage and 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 336.
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 346  Units: 1.5  Hours: 3-0
Formerly: CLAS 346
Roman Law and Society
An introduction to Roman law in its social context. Beginning with an outline of the sources and the historical development of Roman law, the course will give detailed attention to such aspects of Roman private law as the law of persons, property, marriage, labour, slavery and commerce. The emphasis throughout will be on the impact of law on Roman social relations. Attention will also be given to trial procedures in criminal cases, and the role of law in Roman public life.
Note: Credit will be granted for only one of 346, CLAS 346.
Prerequisites: None; 341 recommended.

GRS 347  Units: 1.5  Hours: 3-0
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: 100 or 200 or permission of the Department.

GRS 349  Units: 1.5  Hours: 3-0
Jews and Christians in the Roman World
The history of Jews and Christians around the 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 or permission of the Department.

GRS 361  Units: 1.5  Hours: 3-0
Aegean Bronze Age and the World of Homer
Covers material culture from the eastern Mediterranean, beginning with the Neolithic period and continuing through until the end of the Bronze Age. Much attention will be given to the Minoans on Crete and the Mycenaean Greeks, but will also cover topics such as the Cyclades and the volcanic eruption of Thera; Troy and the Trojan War; and the Hittite Kingdom in central Anatolia.
Prerequisites: 100 or 200 or permission of the Department.

GRS 371  Units: 1.5  Hours: 3-0
Formerly: CLAS 371
Art and Architecture of Ancient Greece and the Aegean
An introduction to art and architecture in Greece and the Aegean from the Early Bronze Age through the Hellenistic period. Architecture, sculpture, and the minor arts are examined as evidence for cultural attitudes towards mankind, 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
Formerly: CLAS 372
Art and Architecture of the Roman World
A survey of Roman art and architecture relating the political and social development of the Roman people to their artistic expression. After an examination of Etruscan art and architecture for its formative influence on Roman attitudes, Republican and Imperial Roman art are discussed in the context of historical events. Topics include the special character of Roman art, Hellenized and Italic modes of expression, portraiture, historical reliefs, function in art, architectural space and city planning.
Note: Credit will be granted for only one of 372, CLAS 372, HA 317.
Prerequisites: None; 371 recommended.

GRS 375  Units: 1.5  Hours: 3-0
Formerly: CLAS 375
Cities and Sanctuaries of the Ancient World
An examination of selected Greek, Etruscan and Roman city and sanctuary sites in an evaluation of ancient achievements in sacred and secular architecture, urban planning, and sanctuary development. Emphasis will be placed on the changing response to human needs for an artificial framework for living, along with the natural resources of the environment in antiquity. Each site will be examined by means of illustrated lectures, and careful consideration will be given to both the architectural record and the ancient literary sources.
Note: Credit will be granted for only one of 375, CLAS 375. Offered alternately with 376.
Note: Credit will be granted for only one of 376, CLAS 378. Offered alternately with 375 and 377.

GRS 377 Units: 1.5 Hours: 3-0

Ships and Seamanship in the Ancient World
An introduction to the maritime archaeology and marine technology of the Bronze Age Near Eastern, Greek, and Roman cultures, using the evidence presented by archaeological remains of ships and harbours, and ancient visual representations and literary texts. Topics will include harbour and ship design and construction, equipment, sailing techniques, navigation, and underwater archaeology.
Prerequisites: None; 371 or 372 recommended.

GRS 379 Units: 1.5 Hours: 3-0

Also: PHIL 381
Formerly: CLAS 379 and PHIL 379
Early Greek Thought
An examination of early Greek thought as embodied in Hesiod and Presocratic such as Parmenides, Heraclitus, Anaxagoras, and Democritus. These figures may be considered in the context of historical and literary writings of their society (e.g., works by Aeschylus, Herodotus, Thucydides). Issues may include: distinctions among myth, science and philosophy; notions of law, morality, and causality; the influence of early Greek thought on later thinkers.
Note: Credit will be granted for only one of 379, CLAS 379, PHIL 379, PHIL 381. This course does not presuppose a background in either Greek and Roman studies or Philosophy.

GRS 380 Units: 1.5 Hours: 3-0

Also: PHIL 383
Formerly: CLAS 380
The Life and Times of Socrates
An examination of a critical moment in Greek intellectual and political life, as seen from various points of view. Topics include: Socrates' trial and its background, the rise of the Socratic conception of philosophy and its relation to the methods of the Sophists, perceived Socratic challenges to religious and social mores, written vs. unwritten philosophy, and types of Socratic literature. Why, we will ask, was the impact of Socrates so lasting and profound?
Note: Credit will be granted for only one of 380, CLAS 380, PHIL 383.

GRS 381 Units: 1.5 Hours: 3-0

Formerly: CLAS 381
Greek and Roman Religion
A survey of Greek and Roman religious thought and practices. The course will focus first on conventional religious rituals and their social value, and secondly on the success of Greek and Roman polytheism in adapting to changing historical and social circumstances. Particular attention will be paid to mystery religions, including Christianity, and their relationship to conventional forms of religious behaviour.
Note: Credit will be granted for only one of 381, CLAS 381.

GRS 382 Units: 1.5 Hours: 3-0

The Ancient World on Film
A study of the modern cinematic treatment of ancient Greek and Roman myths, historical narratives and dramatic texts from the early modern and surrealists to the television adaptations of the 1990s.
Course may include the Orpheus myth on film, Jason and the Argonauts, Spartacus, the western and Greek drama on film. Examination of the socio-cultural implications of modern uses of ancient prototypes.
Prerequisites: 100 or 200, or permission of the Department.

GRS 441 Units: 1.5 Hours: 3-0

The Fall of the Roman Republic
The history of Rome from the Gracchi to Augustus. Topics include the democratic element of the Roman constitution, and the role of the armies and their generals. Special attention will be given to the career and writings of Cicero and other intellectuals of the time.
Prerequisites: 341 or permission of the Department.

GRS 461 Units: 1.5 Hours: 3-0

Greece and the Near East
Focuses on Greek relations with the cultures of the wider Near East, including the Phrygians, Lydians and Hittites in Anatolia, the people of Mesopotamia, and the Egyptians. It will look at the role these groups had in forming Greek identity and discuss the topics of multi-culturalism and diversity in the ancient world.
Prerequisites: 371.

GRS 462 Units: 1.5 Hours: 3-0

Archaeology of Athens
Examines the topography and monuments of Athens from the Neolithic to the Roman period. We will primarily examine the physical remains of the city and countryside to trace the development of one of the most important city-states in the Greek world and to understand its impact on western civilization.
Prerequisites: 371.

GRS 480 Units: 1.5 Hours: 2-0

Formerly: CLAS 480
Seminar in Ancient History and Archaeology
The Department will offer no more than two of the following each year: 480A Seminar in Greek History; 480B Topics in Greek Art and Archaeology; 480C Seminar in Roman History; 480D Topics in Roman Art and Archaeology.
Note: Credit will be granted for only one of 480, CLAS 480.
Pre- or corequisites: For 480A: 331 or 332 or 334; for 480B: 371; for 480C: 341, 342 recommended; for 480D: 372; or, in each case, permission of the Department.

GRS 481 Units: 1.5 Hours: 2-0

Seminar in Ancient Literature
The Department will offer no more than one of the following each year: 481A Seminar in Greek Literature; 481B Seminar in Roman Literature; 481C Seminar in Ancient Literature.
Prerequisites: One of 300, 301, 312, 316, 320, 322, 325, or permission of the Department.

GRS 485 Units: 1.5 Hours: 2-0

Formerly: CLAS 485
Pro-Seminar
Members of the Department will collaborate in introducing the various sub-disciplines and methodologies of classical scholarship in the context, where appropriate, of their own research. This course is particularly recommended for third and fourth-year students considering a Major or Honours program in the Department; the course must be taken once by all Honours and MA students. The Departmental colloquia on Friday afternoons will form one component of the course requirements.
Note: Credit will be granted for only one of 485, CLAS 485.

GRS 493 Units: 1.5 Hours: 2-0

Directed Study in Greek or Roman Civilization
Intensive study of selected programs in Greek or Roman history, society, art, or archaeology. Students will be expected to prepare an extended research paper, drawing on both primary and secondary sources. Introduction to epigraphy, numismatics, papyrology, where appropriate.
Note: May be taken more than once for credit in different topics to a maximum of 3 units. The maximum credit for 493 and the former 490, 491 and 492 together must not exceed 3 units.
Prerequisites: Permission of the instructor. Students should attempt to make arrangements with the instructor before the start of term.

GRS 495 Units: 3.0 Hours: 3-3

Formerly: CLAS 495
Archaeology Field Work Seminar
An introduction to the methods and techniques of Classical Archaeology through participation in an excavation; introductory lectures will be arranged.
Note: Credit will be granted for only one of 495, CLAS 495 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the Department. Interested students should contact the Department during the Fall Term.
Prerequisites: Permission of the Department.

GRS 499 Units: 3.0

Formerly: CLAS 499
Graduating Essay in Honours
A graduating essay, written under the supervision of a faculty member, is required of fourth-year Honours students in Greek and Latin Language and Literature, and Greek and Roman Studies.
Note: Credit will be granted for only one of 499, CLAS 499.
Prerequisites: Honours standing in fourth year.

HA 120 Units: 3.0 Hours: 2-0-1

Introduction to History in Art
An introductory survey of the visual remains of some of the world's cultures from prehistory to the present day.
Note: Not open to History in Art Majors and Honours students in their fourth year.

HA 200 Units: 1.5 or 3 Hours: 3-0

Formerly: HA 310
Media and Methods
An examination of the techniques used by artists throughout history, in western and non-western cultures. The development of art technology is considered in its historical and social contexts. Period or area of emphasis may vary.
Note: Credit will be granted for only one of 200, 310.
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<td>Art-Historical Methods and Approaches</td>
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<td>The Christian Tradition in Western Art and Architecture</td>
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<td>Introduction to Themes in Indigenous Arts</td>
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<td>HA 284</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: part of 382A Indigenous Arts of the Northwest Coast: Introduction</td>
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<tr>
<td>HA 292</td>
<td>1.5 or 3</td>
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<td>Selective Themes in History in Art</td>
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<td>HA 295</td>
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<td>HA 312</td>
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<td>HA 321</td>
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<td>Late Antiquity and Early Christian History in Art</td>
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<td>HA 323</td>
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<td>HA 330A</td>
<td>1.5</td>
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<td>Early Arts of South Asia</td>
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**Note:** Credit may be taken more than once for credit in different topics with permission of the Chair of the Department.
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 Hinduism, Buddhism and Primal religious communities will be discussed with attention to gender and historiography. Indigenous texts and film will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333A, 333. Normally to be offered in alternate years with 330 A, B.

HA 333B  Units: 1.5  Hours: 3-0
Formerly: part of 333
Later Arts of Southeast Asia
A survey of the arts of Southeast Asia, from the arrival of Islam through the colonial period and up through the twentieth century. Local definitions of art, the role of the artist in society and issues of patronage will be discussed against a background of continuity and change. Indigenous texts and film will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333B, 333.

HA 336  Units: 1.5  Hours: 3-0
Art and Architecture of Modern India
A study of Indian art and architecture since the arrival of Western powers and Western religions in the early 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 art historical consciousness.

Note: May be taken more than once for credit in different topics.

HA 338  Units: 1.5  Hours: 3-0
Special Topics in Premodern Asian Art
An examination of themes and issues in premodern Asian art through case-studies in specific regional and/or temporal contexts.

Topic: Popular Prints in China and Japan

Note: May be taken more than once for credit in different topics.

HA 340A  Units: 1.5  Hours: 3-0
Formerly: half of 441
The 15th Century in Northern Europe
A consideration of aspects of 15th century art and architecture in Northern Europe. Issues to be studied may include: the religious, social and political functions of art; patronage systems; materials and methods; function and setting; changes in style and taste.

Note: Credit will be granted for only one of 340A, 441.

HA 340B  Units: 1.5  Hours: 3-0
Formerly: half of 441
Renaissance and Reformation in Northern Europe
A consideration of aspects of 16th century art and architecture in Northern Europe. Issues to be studied may include: the impact of humanism in the North; artistic response to the Protestant Reformation; print culture; patronage questions; materials and methods; function and setting; changes in style and taste.

Note: Credit will be granted for only one of 340B, 441.

HA 341A  Units: 1.5  Hours: 3-0
The 15th Century in Italy
The art and architecture of Italy during the Early Renaissance of the 15th century. Works of art and artists' careers will be examined within the context of themes such as: patronage; materials and methods; function and setting; and religious and intellectual climate.

Note: Credit will be granted for only one of 341A, 341.

HA 341B  Units: 1.5  Hours: 3-0
The 16th Century in Italy
The art and architecture of Italy during the 16th century. The works and careers of High Renaissance masters such as Leonardo da Vinci, Raphael, Titian and Michelangelo will be studied, along with thematic issues relating to the development and interpretation of Italian art up to ca. 1580.

Note: Credit will be granted for only one of 341B, 341.

HA 342A  Units: 1.5  Hours: 3-0
The 17th Century in 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 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 aspects of art and architecture in northern Europe, especially France and Britain, during the 18th century. Emphasis will be placed upon examining works of art within the contexts of political ideologies, social roles, and theoretical debate.

Note: Credit will be granted for only one of 343B, 343.

HA 344  Units: 1.5  Hours: 3-0
Art Theory and Criticism in Early Modern Europe
A study of selected texts from the period c. 1480-1780, when a body of literature emerged in which the aims and evaluation criteria of the visual arts were systematically articulated and debated. Texts will be discussed in relationship to changing artistic practices, and to relevant aspects of European social and intellectual history.

HA 349  Units: 1.5  Hours: 3-0
Islam and the West: Artistic Contacts, 1500-1900
This course examines the different modes of artistic contact between the Islamic world and the West from the sixteenth to the end of the nineteenth century. The developing artistic dialogue will be examined in the context of the political and cultural history of this period. The course will trace the changing representations of the Islamic world in European painting and book illustration; the growth of Orientalist aesthetics in Europe; and the introduction of Western themes into the arts of Turkey, Syria, Iran and India.

Note: Credit will be granted for only one of 352, 351.

HA 352  Units: 1.5  Hours: 3-0
The Genesis of Islamic Art and Architecture
An examination of the background, origins, and evolution of early Islamic art and architecture from the 7th-century rise of Islam to the end of the 9th century. The course will investigate the fundamentals of Islam as a faith, Islam's relationship to the pre-Islamic past and the theoretical problem of creating a new visual culture to serve a new religion and society.

Note: Credit will be granted for only one of 352, 351.

HA 354  Units: 1.5  Hours: 3-0
Medieval Islamic Art and Architecture
The high medieval art and architecture of Islam from the 10th century to the Mongol invasions of the mid-13th century. The course will focus on the medieval ideal of Islamic unity and the historic fragmentation of Islam into different, often opposed, regional and cultural entities. Major themes will be the emergence of Turkish peoples as the dominant political rulers of the Near East and the impact of Latin and Byzantine Christendom on Islamic visual culture.

Note: Credit will be granted for only one of 354, 351.

HA 355  Units: 1.5  Hours: 3-0
The Art and Architecture of Ancient Egypt
A thorough survey of the art and architecture of Pharaonic Egypt from 3200 BC to the beginning of the Christian era. Through the examination of artifacts, monuments, and texts, the course will investigate the influence of social and religious thought upon Egyptian art.

HA 357  Units: 1.5  Hours: 3-0
Formerly: half of 353
Athratic Arts of the Muslim Mediterranean
The art and architecture of Islam in the lands bordering the Mediterranean (Spain, North Africa, Egypt, Palestine, Syria, and Turkey) from the mid-13th to the 20th Century. Major areas of emphasis will be the Nasrid dynasty of Spain, the Mamluk dynasty of Egypt, and the Ottoman sultanate of Turkey. Particular attention will be paid to the art of calligraphy and to cross-cultural connections between Islam and Western Europe and Byzantium.

Note: Credit will be granted for only one of 357, 353.

HA 358  Units: 1.5  Hours: 3-0
Formerly: half of 353
Islam and Asia
The art and architecture of the Muslim lands and peoples east of Mesopotamia (Iran, India, Central Asia, and Southeast Asia) from the 13th to the 20th century. Beginning with the Mongol invasions of Iran in the mid-13th century, this course will focus on the classic Islamic culture of Iran and its diffusion into Central Asia and India. The arts of the illustrated
Note: Credit will be granted for only one of 358, 353.

HA 359

Islamic Art from the Mongol Conquests to the Dawn of the Modern Period
3-0
This course surveys the art and architecture of the Central Islamic land in the period from the mid-13th century until the end of the 16th century. Major areas of emphasis will be Ilkhanid and Timurid dynasties in the Islamic East, the Mamluks in Egypt and Syria, the Nasrids in Spain, and the Ottomans in Turkey.

HA 362A

Modern Art in Europe and North America: 1900 to 1945
3-0
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

Art in Europe and North America: 1945 to Today
3-0
An examination of directions taken in postwar art. Emphasis will be placed on the demise of the Modernist movement and the emergence of Post-modernism. Singled out for investigation will be such areas as Abstract Expressionism, Minimalism, Pop Art, conceptual and performance art, environmental art, and photo-based practices.

HA 363

The Cinema and Modern Art Movements
3-0
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

Documentary Film
3-0
An intensive study of film as document of time, place and action. Influence of social and artistic context will be considered. Attention will be largely directed to Canadian documentary films, a leader in this genre today. Films studied may include works by Flaherty, Grierson, Lorentz, Riefenstahl, Wise, National Film Board.

HA 365

Experimental Film
3-0
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 366

Introduction to History in Cinema
3-0
A general introduction to film as an art form of world importance. Film will be considered historically as a product of time and place as well as a medium influencing many aspects of our lives. There will be a consideration of genres, of directors’ styles, of technical aspects, and of the relationship of film to other media.

Note: Preference given to third and fourth-year students.

HA 367

History in Cinema
1.5
This course examines the cinema as a product of time and place. Emphasis will be placed on the relationship between particular film movements and genres and their historical contexts and on theories about the role and function of film in society.

Note: Credit will be granted for only one of 368, 368A.

HA 368A

History of Early Canadian Art
1.5
Formerly: half of 368
A history of the visual arts, especially painting and sculpture from 1759 to the early 20th century. The course will begin with a brief consideration of the background in 17th and early 18th art, especially of Quebec, and end with the rise of the Group of Seven and their contemporaries.

Note: Credit will be granted for only one of 368A, 368B.

HA 368B

History of Twentieth Century Canadian Art
1.5
Formerly: half of 368
A history of the visual arts, especially painting and sculpture, from the end of World War One to the 1970s. The course will begin with the mature work of the Group of Seven and their contemporaries and end with a treatment of the “post-modernist” reactions to international modernism in the late Sixties and Seventies.

Note: Credit will be granted for only one of 368B, 368A. 368A is helpful preparation for this course but not a prerequisite.

HA 369

History of Photography
1.5
An introductory survey of the history of photography from its invention in 1839 until the present. Topics to be addressed include the changing role of the photographer as scientist and artist, the relationship between photography and other visual arts, 19th century travel photography, women photographers, and the various photographic processes which have been developed in the 150 year history of the medium.

HA 371

Early Chinese Art
1.5
An introductory survey of Chinese art from the Neolithic period through the Tang dynasty. Topics include the ritual vessels of the Bronze age, the impact of the Indian religion of Buddhism on Chinese arts, the rise of landscape painting, and the classic era of figure painting. Chinese histories and theories of the arts will be read in translation.

Note: Credit will be granted for only one of 371, PACI 371.

HA 372A

Later Chinese Art: Part I
1.5
An introductory survey of Chinese art covering the period of the Five Dynasties, Sung, and Yuan dynasties (10th-14th c). The emphasis is on the various ways the educated elite influenced the arts and key artistic traditions that inspired later artists and patrons.

Note: Credit will be granted for only one of 372A, 372 PACI 372. 371 is helpful preparation for this course but not a prerequisite.

HA 372B

Later Chinese Art: Part II
1.5
An introductory survey of Chinese art covering the late imperial and modern periods (15th-20th c). Topics include the role of the arts in an increasingly commercialized society prior to the communist revolution and the impact of state communism on modern Chinese art.

Note: Credit will be granted for only one of 372B, 372, PACI 372. 371 and 372A are useful preparation for this course but not a prerequisite.

HA 373

Early Japanese Art
1.5
An introductory survey of Japanese art which traces the history of Japan’s absorption and transformation of continental (Chinese and Korean) influences from prehistoric times through the Kamakura period. The emphasis is on Buddhist arts and the rise of the long narrative handscrolls known as emakimono during the Heian and Kamakura periods.

Note: Credit will be granted for only one of 373, PACI 373.

HA 374

Later Japanese Art
1.5
An introductory survey of Japanese art from the Muromachi period. The emphasis is on the Edo period, when the rapid growth of cities fostered unprecedented demand for art among ordinary townspeople, and different schools making paintings and prints responded creatively to earlier Japanese art, developments in Chinese art, and to European art.

Note: Credit will be granted for only one of 374, PACI 374. 373 is helpful preparation for this course but not a prerequisite.

HA 375A

Pre-Columbian Art
1.5
Formerly: half of 375
The art of central and southern Mexico and northern Central America before 1492. This culture area called Mesoamerica was characterized by high civilization.

Note: Credit will be granted for only one of 375A, 373, 375.

HA 375B

Pre-Columbian Art
1.5
Formerly: half of 375
The art of South America before 1492 in the Andean area characterized by high civilization.

Note: Credit will be granted for only one of 375B, 375.

HA 382A

Native North American Arts
1.5
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 382A, 382.

HA 382B

Native North American Arts
1.5
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 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 382C

Native North American Arts
1.5
An introduction to arts of the indigenous peoples of the Plains, Plateau, Woodlands and Southeast. The course examines artistic expression from earliest
known art works to the present. It explores types and styles of art works; cultural contexts; relationships between artistic expression and environment; spirituality; and responses of artists to contact with non-native peoples.

**Note:** Credit will be granted for 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; art historical 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

Formerly: 387

**European and North American Architecture, 1750 to 1900**

A survey of key figures and movements in Western architecture from the beginnings of Neoclassicism to the appearance of radically novel forms of design in Europe before World War I.

**Note:** Credit will be granted for only one of 387A, 387. 223 would be helpful preparation for this course.

**HA 387B** Units: 1.5  Hours: 3-0

Formerly: 387

**Twentieth-Century Architecture in Europe and North America**

A survey of key figures and movements in Western architecture between 1900 and today. The work of "modern masters" such as Wright, Le Corbusier, and Mies van der Rohe will be considered, along with that of more traditional architects culminating in the appearance of "post-modernism" in the 1970s.

**Note:** Credit will be granted for only one of 387B, 387.

**HA 392** Units: 1.5 or 3  Hours: 3-0

**Special Topics in History in Art**

An investigation of a special aspect or area of History in Art. Specific topics may vary from year to year.

**Note:** May be taken more than once for credit in different topics with the permission of the Chair of the Department, to a maximum of 6 units. Pro forma.

**HA 410** Units: 1.5  Hours: 3-0

**Advanced Seminar in the History of Art History**

A consideration of selected art-historical texts, with a view to understanding the changing factors that have shaped the aims and methods of art history.
### COURSE LISTINGS

**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 368A, HA 368B, HA 268. 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 has 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 471. 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  
Hours: 3-0  
Advanced Seminar in 20th Century North American Arts  
An intensive study of selected aspects of 20th-century 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  
Hours: 3-0  
Advanced Seminar in Indigenous Arts  
An intensive study of a selected aspect of Native North American, Pre-Columbian, African or Oceanic arts, or a comparative examination of a theme pertinent to indigenous arts from more than one culture area.  
**Note:** May be taken more than once for credit in different topics.  
**Prerequisites:** Fourth-year standing and one of the following courses: HA 382A, HA 382B, HA 382C, HA 384, IS 372, EDCI 372, ANTH 322, ANTH 335, ANTH 336, ANTH 338. Will be taught together with a HA graduate seminar.

**HA 486**  
Units: 3.0  
Hours: 3-0  
**Museum Principles and Practices**  
This distance education course examines changing roles and functions of museums in contemporary society. Topics include history of collections development, research and management; care of collections; relationships with communities; programming; exhibition development; museum organization, funding and management.  
**Note:** Credit will not be granted for 486 and 486A, 486B. Grading may be INP, final grade.

**HA 486A**  
Units: 1.5  
Hours: 3-0  
**Museum Principles and Practices I:** Communities, Curatorship, and Collections  
Museums, their collections, and the knowledge they convey play a unique role in contemporary society. This course explores the purpose and functions of museums with particular emphasis on relationships with communities and on the ways in which knowledge is created and preserved through collections and research. Topics include history and organization of museums and collections curatorship, research, documentation and care.  
**Note:** Credit will be granted for only one of 486A, 486B.

**HA 486B**  
Units: 1.5  
Hours: 3-0  
**Museum Principles and Practices II:** Programming, Exhibitions, and Management  
Exhibitions and public programs are the primary means by which museums share their collections and knowledge with communities. This course explores the role and development of exhibitions and programs, with particular emphasis on public partnerships, audience development, and principles of design, implementation and evaluation. When offered in the distance format, the course will also address topics in museum management.  
**Note:** Credit will be granted for only one of 486B, 486.

**HA 486Q**  
Units: -  
**Special Topics**  
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 488**  
Units: 1.5  
Hours: 3-0  
**Special Studies in Museology**  
A series of special topics courses in museum studies and management with the course number HA 488 through HA 488Q are offered in either a distance education or on-campus immersion format.  
**Note:** The 2005-06 fee for this course is $550.00.

**HA 488A**  
Units: 1.5  
Hours: 3-0  
**Managing Cultural Organizations**  
An intensive study of the application of management theory and practice in cultural organizations, with particular emphasis on: characteristics of nonprofit cultural organizations; governance and leadership; establishing mission goals and objectives; roles of executive and artistic directors; policy development and implementation; personnel management and team building; financial management; strategic and operational planning; information management; public relations; marketing; volunteer development; and ethical and legal issues.  
**Note:** The 2005-06 fee for this course is $550.00.

**HA 488B**  
Units: 1.5  
Hours: 3-0  
**Collections Management**  
An examination of the development and contemporary roles of museum collections, with an emphasis on the principles and practices involved in their management, including policy development, legal and ethical considerations, documentation and information management, acquisitions, accessioning, deaccessioning, loans, risk management, care and handling, issues of ownership, access and collections planning will also be addressed. Content may address specialized collections areas.  
**Notes:** - May be taken more than once for credit in different topics.  
- The 2005-06 fee for this course is $550.00.

**HA 488C**  
Units: 1.5  
Hours: 3-0  
**Communicating Through Exhibitions**  
An examination of the roles of the exhibition in the museum context and the importance of team work and consultation in exhibition development. Topics include the history, functions and purpose of exhibitions; the role of the artifact; frames of reference for communication; the development of storylines; methodologies for planning; the roles of the curator, educator, registrar, conservator, and other staff; project management; funding and sponsorship; temporary and travelling exhibitions; ethical considerations; and evaluation techniques.  
**Note:** The 2005-06 fee for this course is $550.00.

**HA 488D**  
Units: 1.5  
Hours: 3-0  
**Caring for Museum Collections**  
An examination of the physical characteristics of museum collections, the ways they are affected by a range of factors in their physical and social environments, and the risk assessment, preventive conservation, and treatment guidelines that are utilized to 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. 
- The 2005-06 fee for this course is $550.00.

HA 488H Units: 1.5 Hours: 3-0 
Topics in Museum Studies 
This course will involve intensive study of some special aspect or area of museum studies. Content may vary each year. 
Notes: - May be taken more than once for credit depending on circumstances. 
- The 2005-06 fee for this course is $550.00.

HA 488J 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. 
- The 2005-06 fee for this course is $550.00.

HA 488K Units: 1.5 Hours: 3-0 
Exhibition Design and Installation 
An examination of the exhibition design process with a special focus on the design and museological 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. 
Notes: The 2005-06 fee for this course is $550.00.

HA 488L Units: 1.5 Hours: 3-0 
Cultural Management in Context 
An intensive study of the current state of the arts and culture in Canada and the social, political and financial context in which cultural organizations are managed. Topics include the role of arts and culture in Canada; social, political and institutional frameworks; cultural policy and legislation; economic context and impact; funding; governance and leadership; organizational structures and management models; legal and ethical issues; and multicultural and First Nations issues. 
Notes: The 2005-06 fee for this course is $550.00.

HA 488M Units: 1.5 Hours: 3-0 
Topics in Cultural Management 
This course will involve intensive study in some special aspect or area of cultural management. Content may vary each year. 
Notes: - May be taken more than once for credit depending on circumstances. 
- The 2005-06 fee for this course is $550.00.

HA 488N Units: 1.5 Hours: 3-0 
Museum Information Management 
Museums hold a wealth of diverse information that is increasingly recognized as a key institutional and community resource. This course explores the 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. 
Notes: - This course is offered both on-campus and in a distance education format. 
- The 2005-06 fee for this course is $550.00.

HA 488P Units: 1.5 Hours: 3-0 
Human Resource Management in Cultural Organizations 
This course provides an intensive examination of the ways in which staff and volunteers are managed in cultural organizations, with particular emphasis on museums 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; recruitment; performance planning; communications; legal considerations; and ethics and professionalism. 
Note: The 2005-06 fee for this course is $550.00.

HA 488Q Units: 1.5 Hours: 3-0 
Financial Management in Cultural Organizations 
This course examines the complex factors which affect the financial management and stability of cultural organizations, with particular emphasis on museums and heritage agencies. Topics include the changing funding environment; characteristics of nonprofit agencies; strategic, operational and business planning; budgeting and accounting systems; forecasting; fundraising, grantmanship and revenue development; managing capital projects; and legal and ethical considerations. 
Note: The 2005-06 fee for this course is $550.00.

HA 488R Units: 1.5 Hours: 3-0 
Planning in Cultural Organizations 
The central roles of planning in project development and/or organizational management and change are explored, along with a range of planning principles and methodologies suited to the museum, heritage, and cultural sectors. Content may address specialized aspects of planning. 
Notes: - May be taken more than once for credit in different topics. 
- The 2005-06 fee for this course is $550.00.

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 and interest and potential community roles and relationships with cultural organizations and strategies for creating and maintaining relationships with diverse groups. 
Note: The 2005-06 fee for this course is $550.00.

HA 488T Units: 1.5 Hours: 3-0 
Special Studies in Heritage Conservation 
A series of special topics courses in the conservation of architectural and 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: The 2005-06 fee for this course is $550.00.

HA 489A Units: 1.5 Hours: 3-0 
Heritage Area Conservation 
Topics in the conservation and rehabilitation of 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. 
- The 2005-06 fee for this course is $550.00.

HA 489C Units: 1.5 Hours: 3-0 
Determining Significance of Heritage Resources 
Definition of the heritage value or significance of a historic place or resource is a key step in the 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 employ 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), chronochronology, 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. 
- The 2005-06 fee for this course is $550.00.

HA 489E Units: 1.5 Hours: 3-0 
Topics in Architectural Conservation 
This course will involve intensive study of some special aspect or area of architectural conservation. Content may vary each year. 
Notes: - May be taken more than once for credit depending on circumstances. 
- The 2005-06 fee for this course is $550.00.

HA 489F Units: 1.5 Hours: 3-0 
The Fabric of Heritage Buildings 
To preserve heritage buildings, it is necessary to understand the construction techniques and 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: The 2005-06 fee for this course is $550.00.

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,
COURSE LISTINGS

inventory and analysis; preservation and conservation strategies; preservation legislations, planning, easements, registration, and funding. Field work is featured.

Note: The 2005-06 fee for this course is $550.00.

HA 489H Units: 1.5 Hours: 3-0
Cultural Tourism
Visitors to museums and heritage organizations are seeking authentic, engaging and memorable experiences that foster an awareness of the history and culture of local communities. This course explores the complex dynamics, benefits, and issues associated with cultural tourism and provides strategies to assess the opportunities and implications associated with tourism development and programming for cultural institutions.

Note: The 2005-06 fee for this course is $550.00.

HA 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: This course is normally offered in distance education format.

Note: The 2005-06 fee for this course is $550.00.

HA 489K Units: 1.5
Conservation in Context
This course addresses the complex range of principles and practices that influence heritage preservation and conservation planning and decision-making. The implications of international and national conservation charters, principles, standards and guidelines are discussed, along with legal, programmatic and financial incentives and constraints.

Note: The 2005-06 fee for this course is $550.00.

HA 489L Units: 1.5 Hours: 3-0
Heritage Conservation Planning
This course focuses on approaches to planning and heritage conservation decision-making, and discusses the components of the conservation planning process including community involvement and consultation, the acquisition and integration of technical information and professional expertise, and the integration of conservation planning in the long-term management of heritage resources.

HA 490 Units: 1.5 or 3
Directed Studies
A course of directed readings and written assignments taken under the supervision of a faculty member. Approval must be granted by the Chair of the Department.

Note: May be taken more than once in different areas, up to a total of 3 units. Normally available to History in Art major, honours and diploma program students only. Pro forma.

Note: Approval must be granted by the Chair of the Department. May be taken more than once for credit in different topics to a maximum of 3 units. Normally available to History in Art major, honours, and diploma program students only. Pro forma.

HA 499 Units: 1.5, formerly 3 Hours: 3-0
Honours Seminar
This course is intended to instruct fourth year honours students in problems and methodology of advanced research.

Note: Credit will be granted for only one of 400, 240.

HINF 140 Units: 1.5 Hours: 3-0
Formerly: HINF 240
The Governance and Structure of Health Care Systems
The business of health care is a significant portion of the gross national product of all industrialized countries and emerging nations. Policy development, administration and management are, consequently, critical activities in the efficient delivery of effective health care. This course provides an examination of the principles of health care governance at the local, provincial, national and international levels. The content focuses on the Canadian health care system but provides a comprehensive comparison of the Canadian system with that of the United States and Great Britain. Additionally, the course deals with emerging aspects of international health care policy development, administration and management.

Note: Credit will be granted for only one of 140, 240.

HINF 172 Units: 1.5 Hours: 3-3
Introduction to Health Informatics Applications
Health information systems are comprised of computer programs generated using a variety of data manipulation and management techniques. The course will cover the general application of spreadsheets and databases to health information management. In addition many specific health care applications such as medical graphics, multi-media medical information systems, acute care physiological signal processing, diagnostic expert system design, community health information systems, and health information networks will be addressed.

Corequisites: CSC 110

HINF 200 Units: 1.5 Hours: 3-0
Formerly: HINF 300
Principles of Health Database Design
The course addresses the issues facing a database designer in the development of database applications appropriate for health data of various kinds. The content includes the elements of conceptual, implementation and physical database design to support health information systems.

Note: Credit will be granted for only one of 200, 300, CSC 370.

Prerequisites: 172 and either MATH 151 or MATH 122.

HINF 230 Units: 1.5 Hours: 3-2
Organizational Behaviour and Change Management
This course covers techniques for the management of individual, group and intergroup behaviour in health care organizations. Topics include: decision making and problem solving, work groups, leadership, power and influence, labour relations, process engineering, and risk management.

Prerequisites: 140

HINF 265 Units: 1.5 Hours: 3-0
Formerly: 180
Health Care Delivery and Organizational Models
This course is an introduction to the ways in which health organizations are managed and financed to deliver health care. Topics include: organization theory, power and culture, division of labour, command and control in health care versus other industries, and integrated delivery system models.

Prerequisites: 140

HINF 280 Units: 1.5 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 including bioinformatics are discussed.

Note: Credit will be granted for only one of 280, 180.

Corequisites: 140

HINF 310 Units: 1.5 Hours: 3-2
Electronic Records and Decision Support Systems
A critical analysis of the automation of clinical data acquisition, processing and storage in health care settings. Topics include: electronic health records, departmental systems (e.g. lab, pharmacy, intensive care), PACS, computerized physician order entry (CPOE), clinical data repositories, health plans, personal health records and data warehouses.

Prerequisites: 200

HINF 320 Units: 1.5 Hours: 3-2
Project Management
Introduction to the essentials of project management and the project life cycle. Topics include: project charter, network diagramming, scope management, stakeholder identification, cost management, scheduling and schedule management.

Prerequisites: 230

HINF 330 Units: 1.5 Hours: 3-0
Legal Issues in Health Informatics
This course introduces Health Information Science students to legal aspects of their profession, including aspects of confidentiality, liability 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 the delivery of health informatics in Canada.

Note: Credit will be granted for only one of 330, NURS 487.

Prerequisites: 265
Clinical Methodologies
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, 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.

HINF 435 Units: 1.5 Hours: 3-2
Formerly: HINF 445
Networks, Interoperability and Systems Security
A management perspective to data communications technology, networks, distributed processing and security. Emphasis is on examining the impact of emerging communications technology on information systems in varying sectors of the health care delivery system.

Note: Credit will be granted for only one of 345, 445.
Prerequisites: 201.

HINF 450 Units: 1.5 Hours: 3-3
Information Management and Technology
This course critically examines the application of state-of-the-art IM&T principles and methods in the private sector and the degree to which they apply to Canadian health care organizations. In doing so, it identifies the issues which Chief Information Officers face in their attempts to provide the right information to the right people, at the right time, and for the right price.

Prerequisites: 351.

HINF 420 Units: 1.5 Hours: 3-0
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 to be addressed include privacy, access to information, ethics, autonomy, education, and health. Only open to 4th year HINF students.

Prerequisites: 380 or 381.

HINF 455 Units: 1.5 Hours: 3-0
Human Aspects of Healthcare Information Systems
This course addresses human aspects of health informatics. It includes discussion of the use of technology to support clinical decision making and decrease the incidence of errors in healthcare. Topics include: information retrieval and cognitive processes, decision making and reasoning, human-computer interaction and usability engineering, patient safety and error reduction, evidence-based medicine, and workflow analysis.

Prerequisites: 230.

HINF 451 Units: 1.5 Hours: 3-0
Information Technology Procurement
The methodologies and processes used to select Information Technology (IT) will be investigated, primarily as they apply to Regional Health Authorities (RHA). The primary goal is to appreciate the dynamics and 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: 201.

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 as they apply to population health. Topics include: measurements of disease occurrence, study designs (cohort, case-control, randomized clinical trials), surveillance systems of infectious diseases, population health, health promotion and disease prevention issues.

Note: Credit will be granted for only one of 381, 380.
Prerequisites: 265.

HINF 410 Units: 1.5 Hours: 3-0
Information Management and Technology
This course critically examines the application of state-of-the-art IM&T principles and methods in the private sector and the degree to which they apply to Canadian health care organizations. In doing so, it identifies the issues which Chief Information Officers face in their attempts to provide the right information to the right people, at the right time, and for the right price.

Prerequisites: 351.
COURSE LISTINGS

HIST 220 Units: 3.0 Hours: 3-0
History of England
History 220 is designed as a course for those who wish some acquaintance with the broad sweep of British history since the Norman Conquest.
Note: Strongly recommended for students wishing to take advanced courses in British history.

HIST 236 Units: 3.0 Hours: 3-0
Medieval Europe
Survey of the middle ages in western Europe from about A.D. 300 to 1500, tracing not only the general political, social, and religious history of the West, but also concurrent developments in art, learning, literature, and law.
Note: Strongly recommended for students wishing to take advanced courses in Medieval history.

HIST 240 Units: 3.0 Hours: 3-0
History of Modern Europe
After providing a brief background in medieval institutions, this course surveys European history from the Renaissance to the mid-20th century. The lectures will focus on political, intellectual, cultural, and social aspects of European society and the modern state as it emerges in the contemporary world.

HIST 245 Units: 1.5 Hours: 3-0
The Second World War
A general survey of the military, diplomatic, economic, social and political aspects of this global conflict. The causes and ramifications of the war will also be considered.
Note: Not open to students registered in or with credit in 392. Strongly recommended for students wishing to take advanced courses in military history.

HIST 253 Units: 1.5 Hours: 3-0
Formerly: half of 252
Introduction to Chinese Civilization Before 1840
An introduction to the political, intellectual and socio-economic history of Chinese civilization from its beginning until its full-scale contacts with Western culture around 1840. Topics include Chinese philosophies and religions, imperial institutions and traditions, elite and popular classes, as well as art, science and technology.
Note: Credit will be granted for only one of 253, 252, PACI 253.

HIST 254 Units: 1.5 Hours: 3-0
Introduction to Chinese History Since 1840
A survey of Chinese history with an emphasis on China’s relations to the West from 1840 to 2000. Topics include China’s responses to Western challenges and even 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
Japan in the 20th Century
Examines Japan’s political evolution in the 20th century including the emergence of liberal democratic trends, the triumph of militarism and corporatism in the 1930s, the 15 years war, the Occupation of Japan, and Japan’s postwar development including aspects of both social and economic history.
Note: Credit will be granted for only one of 256, PACI 256.

HIST 257 Units: 1.5 Hours: 3-0
Introduction to the Civilization of India
Introductory survey of India’s traditional civilization from earliest times to the present. Topics include religious, social, intellectual, and cultural history.
Note: Credit will be granted for only one of 257, 205 (F01 or S01 1992–93).

HIST 259 Units: 1.5 Hours: 3-0
Introduction to African History
All geographical regions will be surveyed, with an emphasis on the pre-colonial, colonial and post-colonial era.
Note: Credit will be granted for only one of 259, 468 (if taken in the same topic).

HIST 260 Units: 1.5 Hours: 3-0
History of Science
A general survey of some of the major developments of Western science from antiquity to the early twentieth century. Topics to be explored include: the relations between science and religion; the social foundations of scientific activity; the 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 Hours: 3-0
Special Topics in History
An introduction to selected problems in history. The specific topics vary from year to year.
Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 265A Units: 1.5 Hours: 3-0
History of Co-operatives
An examination of the origins of co-operative thought and movements in eighteenth-century Europe, and their subsequent development worldwide, particularly in the twentieth century.
Note: Credit will be granted for only one of 265A, 468 (if taken in the same topic).

HIST 266 Units: 3.0 Hours: 3-0
The United States in the 19th Century
A study of the social, political, cultural, and economic development of the United States in the period from the framing of the Constitution to the Spanish-American war, with particular concentration on certain significant themes.
Note: Open to students with credit in 210.

HIST 269 Units: 3.0 Hours: 3-0
Introduction to the History of American Business
An intensive study of American political, economic, and social history from the late 19th century to the present. Various major themes will be examined:

industrialization, the growth of corporate power, urbanization, racial and ethnic relations, cultural change, and liberal reform. Particular attention will be devoted to the economic, social, and cultural determinations of American political history.
Note: Open to students with credit in 210.

HIST 270 Units: 3.0 Hours: 3-0
The American West
The frontier in American history, the Trans-Mississippi West with emphasis on the Far West.

HIST 272 Units: 1.5 Hours: 3-0
America’s Foreign Relations
A study of America’s foreign policy and cultural interaction with the rest of the world, from 1607 to the present. Themes include exceptionalism, Manifest Destiny, imperialism, military and economic intervention, and isolationism. Special emphasis will be given to events between 1898 and the present.

HIST 274 Units: 1.5 Hours: 3-0
The American Experience in Vietnam
A detailed examination of the causes, course, and consequences of American involvement in Vietnam from 1941 to 1975.
Note: Credit will be granted for only one of 316, 318 (if taken in the same topic).

HIST 278 Units: 1.5 or 3 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 Hours: 3-0
Seminars in American History
Selected topics in American history.
Note: May be taken more than once for credit in different topics with permission of the Chair.

Advanced Courses: British

HIST 320 Units: 1.5 or 3 Hours: 3-0
Seminars in Medieval England
A detailed examination of themes and issues in the history of Medieval England.
Notes: - May be taken more than once for credit in different topics with permission of the Chair.
- 236 strongly recommended.

HIST 320A Units: 1.5 or 3 Hours: 3-0
Crime and Criminality in Medieval England
A seminar investigating criminal activity and the responses of communities and authorities.
Notes: - Credit will be granted for only one of 320A, 320 (if taken in the same topic).
- 236 strongly recommended.

HIST 320B Units: 1.5 or 3 Hours: 3-0
Medieval London
A seminar exploring the social, legal, religious, political and economic life of the city.
Note: Credit will be granted for only one of 320B, MEDI 401 (F01 1998-99), 236 strongly recommended.

HIST 321 Units: 1.5 Hours: 3-0
Tudor-Stuart England
A study of some of the major themes of historical research into the social, cultural, religious and political experiences of English men and women from the Tudor period to the Glorious Revolution of 1688, including the Tudor and Stuart monarchy, the English Civil War, religious beliefs and persecution, gender and popular culture.
Note: 220 recommended.

HIST 324  Units:  1.5 or 3  Hours:  3-0
Britain’s Long Eighteenth Century  (1689-1837)
A study of the society, politics, economy and culture of Britain during the era in which it rose to global ascendency, including the origins of British military might, the emergence of cabinet and parliamentary government, the American and Industrial Revolutions, the “Great War” with France (1793-1815), and political and social reform during the years before the accession of Queen Victoria.

Notes: - Credit will be granted for only one of 324, 322, 323.

- 220 recommended.

HIST 325  Units:  3.0  Hours:  3-0
Britain, 1815-1914
Great Britain, industry and empire; an intensive study of British history during the 19th century.

Note: 220 recommended.

HIST 327  Units:  3.0  Hours:  3-0
20th Century Britain
An examination of the major themes in the history of 20th century Britain, such as the collapse of imperial power, the development of closer relations with the European continent, and the social, cultural, and political tensions created by an era of rapid change and economic decline.

Note: 220 recommended.

HIST 328  Units:  1.5  Hours:  3-0
Death and the Afterlife in England
A cultural history of death and attitudes towards the afterlife and the supernatural in England from the late Middle Ages to modern times. Subjects include beliefs about heaven, hell and purgatory; medieval ars moriendi; martyrdom and public execution; murder and providential murder sheets and ghost stories; suicide; the emergence of cemeteries; medicine, hospitals and the modern secularisation of death; spiritualism and recent New Age approaches.

Note: 220 recommended.

HIST 338  Units:  1.5 or 3  Hours:  3-0
Seminar in British History
Selected topics in British history.

Notes: - Enrollment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of the instructor.
- Students are advised to consult the Department about the topics to be considered. May be taken more than once for credit in different topics with permission of the Chair.

- 220 recommended.

HIST 339  Units:  1.5 or 3  Hours:  3-0
Topics in British History
An intensive study of selected aspects of British History. Students are advised to consult the Department for an outline of the topics to be considered.

Notes: - May be taken more than once for credit in different topics with permission of the Chair.
- 220 recommended.

Advanced Courses: Canadian

HIST 341  Units:  1.5 or 3  Hours:  3-0
Formerly 482
Historians and the Computer: Theory and Techniques of Social Science History
The course has two main goals: to help students understand and assess research based on quantitative analysis, and to help students gain firsthand experience in the use of computers in Canadian historical research. Students will carry out their own quantitative research project.

Note: Credit will be granted for only one of 341, 482.

HIST 342  Units:  3.0  Hours:  3-0
British North America, Conquest to Confederation
A combination of lectures and seminars examining the development of the economy, society, and culture of the area comprising present day Ontario, Quebec, and the Maritimes. Particular emphasis will be placed upon the emergence of distinct social and cultural entities in each of these areas.

HIST 343  Units:  3.0  Hours:  3-0
Canadian Labour History
This course examines the working class experience and the development of organized labour movements in Canada, with particular emphasis on the 19th and 20th centuries. Topics include preindustrial working conditions, industrialization, labour organizations, the growth of trade unions, labour legislation, and labour politics.

HIST 344  Units:  3.0  Hours:  3-0
Political History of Canada Since Confederation
A study of recurring themes and problems in Canadian history including national policies, French-English tensions, federal-provincial conflicts, and external relations. Attention will be given to the social and economic background of these problems as well as their political manifestations.

HIST 345  Units:  1.5  Hours:  3-0
Canadian-American Relations
An exploration of selected issues in the economic, cultural, political, and diplomatic aspects of Canadian-American relations.

HIST 353  Units:  1.5 or 3  Hours:  3-0
Seminar in British Columbian History
Selected topics in British Columbian history.

Notes: - Enrollment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of the instructor.
- May be taken more than once for credit in different topics with permission of the Chair. Students are advised to consult the Department about the topics to be considered.

HIST 354A  Units:  1.5  Hours:  3-0
Northwest America to 1849
Surveys early history and literature of region west of the Rocky Mountains and north of California prior to the establishment of the colony of Vancouver Island in 1849. Topics include maritime and overland exploration, European rivalries and claims, the development of the maritime and overland fur trade, and Indian-white relations.

HIST 354B  Units:  1.5  Hours:  3-0
British Columbia, 1849-1900
A study of the foundations of modern British Columbia, beginning with the founding of the colony of Vancouver Island to the emergence of provincial political parties about the end of the 19th century; topics to be considered will include the colonies of Vancouver Island and British Columbia, the gold rush, settlement patterns, the origins of institutional life, Indian policy and Indian-white relations, and early federal-provincial relations.

Note: 130, or 131 and 132, or 354A strongly recommended.

HIST 355  Units:  3.0; formerly 1.5  Hours:  3-0
British Columbia Since 1900s
The emphasis will be on social, economic, and political developments within the province. Written assignments will be required.

HIST 357A  Units:  1.5  Hours:  3-0
Seminar in Canadian Defence Policy
A study of selected aspects of Canadian defence policy since 1867. Emphasis on the military policies and strategic role of Canada in the 20th century.

Note: 130 or 132 strongly recommended.

HIST 357B  Units:  1.5  Hours:  3-0
Seminar in Canadian External Policy
A study of selected aspects of Canadian external policy since 1867, with emphasis on Canada’s position as a middle power.

Note: 130 or 132 strongly recommended.

HIST 358  Units:  1.5 or 3  Hours:  3-0
Topics in Canadian History
An intensive study of selected aspects of Canadian history.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 358A  Units:  1.5 or 3  Hours:  3-0
Women in Canada
A history of women in Canada from the era of New France to the present.

Note: Credit will be granted for only one of 358A, 358 (if taken in the same topic).

HIST 358C  Units:  1.5  Hours:  3-0
Natives and Newcomers: Historical Encounters in Canada to 1867.
An exploration of shifting relationships between Aboriginal peoples and settlers from early contacts to 1867.

Note: Credit will be granted for only one of 358C, 358, 359 (if taken in the same topic).

HIST 358D  Units:  1.5  Hours:  3-0
Racism and Antisemitism in Canada to 1900
An examination of the origins of racism and antisemitism in the western world and their establishment and evolution in Canada to 1900.

Note: Credit will be granted for only one of 358D, 358, 359 (if taken in the same topic).

HIST 358E  Units:  1.5  Hours:  3-0
Canadian Science and Technology
An examination of the history of Canadian science and technology from New France until the present.

Prerequisites: 6 units of History.

HIST 358F  Units:  1.5  Hours:  3-0
Natives and Newcomers: Historical Encounters in Canada Since 1867
An exploration of shifting relationships between Aboriginal peoples and settlers from 1867 to the social and political struggles of the present day.

Note: Credit will be granted for only one of 358F, 358, 359 (if taken in the same topic).

HIST 358G  Units:  1.5  Hours:  3-0
Racism and Antisemitism in Canada Since 1900
A study of the impact of racism and antisemitism on 20th century Canada.

Note: Credit will be granted for only one of 358G, 358, 358D (1989-2000), 359 (if taken in the same topic).

HIST 359  Units:  1.5 or 3  Hours:  3-0
Seminar in Canadian History
Selected topics in Canadian history.
HIST 360  Units: 1.5  Hours: 3-0
The Renaissance
A study of the conditions, ideas, and people involved in the intellectual quickening that ushered in the early modern period of European history.

Note: 240 recommended.

HIST 361  Units: 1.5  Hours: 3-0
The Reformation
A history of the people and the political and religious factors involved in the upheavals of the Protestant and Roman Catholic reformation.

HIST 363  Units: 1.5  Hours: 3-0
Reformation and Napoleonic Europe, 1789-1815
Examination of French implementation of the ideas and values of the Enlightenment and a study of European reaction to revolutionary change in political and social structures.

Note: 240 recommended.

HIST 364A  Units: 1.5  Hours: 3-0
France and International Relations, 1814-1914
A study of France in terms of European Great Power politics and imperialism/colonialism. Particular attention to the relation between foreign affairs and domestic politics.

Note: 240 recommended.

HIST 364B  Units: 1.5  Hours: 3-0
France and International Relations, 1914-1982
A study of France in terms of European Great Power politics and imperialism/colonialism. Particular attention to the relation between foreign affairs and domestic politics.

Note: 240 recommended.

HIST 365A  Units: 1.5  Hours: 3-0
Social and Cultural History of Modern Europe: 1770-1848
An examination of cultural changes in Europe under the impact of the French and industrial revolutions.

Note: 240 strongly recommended.

HIST 365B  Units: 1.5  Hours: 3-0
Social, Cultural, and Political History of Modern Europe: 1848-1914
An examination of the cultural preoccupations of bourgeois Europe towards the fin-de-siecle.

Note: 240 strongly recommended.

HIST 366  Units: 1.5  Hours: 3-0
Europe Between Two World Wars
This course will examine the impact of the First World War on European society through its effect on the international order and the rise of totalitarian ideologies such as communism and fascism.

Note: 105 or 240 recommended.

HIST 367  Units: 1.5  Hours: 3-0
The Second World War and the Recovery of Western Europe
An examination of the effects of the Second World War on Europe, and the recovery of the Western European states in the postwar period.

Note: 105 or 240 recommended.

HIST 369  Units: 1.5  Hours: 3-0
Gender, Religion and Politics in France, 1453-1771
A political, social and cultural history of France from the Renaissance to the rise of Louis XIV at Versailles.

Note: 240 strongly recommended.

HIST 370A  Units: 1.5  Hours: 3-0
Formerly: 370
Reaction, Reform and Revolution in France, 1814-1914
A study of the dynamic between revolution and reform as France struggled to implement democracy. Political culture, gender relations and responses to the Industrial Revolution are major themes.

Note: Credit will be granted for only one of 370A, 370. 240 recommended.

HIST 370B  Units: 1.5  Hours: 3-0
Formerly: 371
Reaction, Reform and Revolution in France, 1914-1982
A study of the dynamic between revolution and reform as France struggled to implement democracy. Political culture, gender relations and social welfare are major themes.

Note: Credit will be granted for only one of 370B, 371. 240 recommended.

HIST 371A  Units: 1.5  Hours: 3-0
Image and Reality: Scandals in France, 1785-1870
A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.

Note: 363 or 370A recommended.

HIST 371B  Units: 1.5  Hours: 3-0
Image and Reality: Scandals in France, 1870-1982
A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.

Note: 363 or 370A recommended.

HIST 372  Units: 1.5  Hours: 3-0
Imperial Germany
An examination of the principal themes in German history between the formation of the unified state in 1871 and the German revolution of 1918-1919.

Note: 240 recommended.

HIST 373  Units: 1.5  Hours: 3-0
Weimar and Nazi Germany
An examination of the principal themes and developments in German history between the end of World War One and the collapse of the Third Reich in 1945.

Note: 105 or 240 recommended.

HIST 374  Units: 1.5  Hours: 3-0
Also: SLAV 374
Imperial Russia, 1689-1917
A history of the Russian Empire from Peter the Great to the fall of the monarchy. The course traces Russia’s response to the challenge of the West, with special attention to political reforms, social transformation, and cultural change. This lecture course includes discussion sessions that help students to form their own opinion on whether Late Imperial Russia was history’s dead end or a promise cut short by revolutionary violence.

Note: Credit will be granted for only one of 374, SLAV 374.

HIST 376  Units: 1.5 or 3  Hours: 3-0
Also: SLAV 376
The Soviet Union and Its Successor States, 1917-2000
A history of the Soviet Union and its aftermath. This lecture course examines political, economic, social, and cultural transformations that shaped the Soviet socialist experiment, as well as the causes of its collapse and the difficulties of post-communist transition in Russia and non-Russian republics. Through reports and discussions, emphasis is given to social history, gender, and everyday life.

Note: Credit will be granted for only one of 376, SLAV 376.

HIST 377  Units: 1.5  Hours: 3-0
Also: SLAV 377
Modern Ukraine

Note: Credit will be granted for only one of 377, SLAV 377.

HIST 380A  Units: 1.5 or 3  Hours: 3-0
Formerly: 380
Seminar in Medieval Europe
A detailed study of selected problems in the history of Medieval Europe. The specific topics to be considered will vary from year to year.

Note: Credit will be granted for only one of 380A, 380 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the Chair.

- MEDI 451, The Medievals and the Written Word, may be accepted as a European History course, subject to the limitations set forth in the History departmental regulations and when taught by a member of that Department.

- 236 strongly recommended.

HIST 380D  Units: 1.5 or 3  Hours: 3-0
Individual, Family and Community in Medieval Society
A seminar in medieval European social history, concentrating on the role of the individual in society, and especially the place of children, women and the aged in the community. The nature and function of marriage and the family receive particular emphasis.

Note: 236 strongly recommended.

HIST 380E  Units: 1.5 or 3  Hours: 3-0
Medieval Foundations of the Western Legal Tradition
A seminar covering the development of medieval ideas of law and the emergence of legal systems. Special attention is paid to major changes in law and jurisprudence during the 11th and 12th centuries.

Note: 236 strongly recommended.

HIST 380F  Units: 1.5 or 3  Hours: 3-0
Murder and Mayhem in Medieval Europe
An investigation of the effects of three forms of disruption: crime, plague and war.

Note: Credit will be granted for only one of 380F, 380A (if taken in the same topic), 236 strongly recommended.

HIST 382A  Units: 1.5  Hours: 3-0
Formerly: part of 382
The Scientific Revolution
An examination of the rise of the 'new science' of the 17th century. Topics include: the interaction between scientific, religious, and philosophical thought; the
birth of the experimental method; science and the occult; and the social relations of science.

Notes: - Credit will be granted for only one of 382A, 382.
- 260 strongly recommended.

HIST 382B
Units: 1.5
Formerly: part of 382
The Origins of Modernity
An examination of the new views of human nature and society which emerged in the 17th century. Topics include: the revival of ancient scepticism to 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 orthodoxy. Christianity.

Notes: - Credit will be given for only one of 382B, 382.
- 260 and 382A strongly recommended.

HIST 383A
Units: 1.5
Formerly: part of 383
The Enlightenment in Britain
An examination of Enlightenment thought and culture in 18th-century England and Scotland. Topics to be explored include: the rise of political economy; the development of the 'science of man'; the emergence of philosophical history; and the critique of religion.

Notes: - Credit will be granted for only one of 383A, 383.
- 260, 382A and/or 382B strongly recommended.

HIST 383B
Units: 1.5
Formerly: part of 383
The Enlightenment in Europe
An examination of Enlightenment thought and culture in 18th-century Europe. Topics include: the world of the French philosophers; the impact of South Sea voyages on European conceptions of human nature; the possibility of human progress; new forms of historical understanding; and the critique of religion.

Notes: - Credit will be granted for only one of 383B, 383.
- 260, 382A and/or 382B, 383A strongly recommended.

HIST 386
Units: 1.5
Hours: 3-0
Criminality and Violence in Europe, 1400-1800
A seminar on criminal justice and cultural dimensions of violence in early modern Europe. Topics will include torture, changing execution rates, gender and the rise of the prison.

Prerequisites: 240 or permission of the instructor.

HIST 388
Units: 1.5 or 3
Hours: 3-0
Topics in European History
An intensive study of selected aspects of European history. Students are advised to consult the Department for an outline of the topics to be considered.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 389
Units: 1.5 or 3
Hours: 3-0
Seminar in European History
Selected topics in European history.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 390
Units: 3.0
Hours: 3-0
War in the Modern World, 1755 to the Present
A survey of European military history from the Seven Years' War to the present day. It covers the change from the warfare of the early 18th century to the unlimited warfare of the 20th century. Emphasis is placed on the causes of war, the impact of new inventions on tactics and strategy, and the social, political, and economic results of wars on society up to and including the atomic age.

Prerequisites: 6 units of History.

HIST 392
Units: 1.5 or 3
Hours: 3-0
Seminar in the History of the Second World War
Selected topics in the history of the Second World War.

Note: May be taken more than once for credit in different topics with permission of the Chair. Open to students with credit in 245.

Prerequisites: 9 units of History; 390 recommended.

HIST 393
Units: 1.5 or 3
Hours: 3-0
Topics in the Historical Study of Peace and War
Selected aspects of military history and peace studies. Topics to be considered may include war and society; naval history; science, technology, and war; and the history of pacifism.

Note: May be taken more than once for credit in different topics with permission of the Chair.

Prerequisites: 6 units of History; 240 and/or 390 recommended.

HIST 394
Units: 1.5
Hours: 3-0
Seminar in Peace and War Studies
Selected topics in military and peace studies. Students will be encouraged to pursue their own research interests within the confines of course topics. Topics may include: philosophers of peace and war, the social history of war, or the first world war.

Note: May be taken more than once for credit in different topics with permission of the Chair.

Prerequisites: 6 units of History.

HIST 396
Units: 1.5 or 3
Hours: 3-0
Topics in the History of Science
An intensive study of selected topics in the history of science; students are advised to consult the Department for an outline of the topics to be considered.

Note: The course may be taken more than once for credit in different topics with permission of the Chair.

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 1644 and 1912. Focuses on historical continuity and change within the dynamic interactions between tradition and modernity, the state and society, the Chinese and ethnic minorities, as well as China and foreign powers.

Note: Credit will be granted for only one of 434A, PACI 434A.

HIST 434B
Units: 1.5
Hours: 3-0
Formerly: also PACI 434B
Twentieth-Century China
An examination of Republican and Communist China between 1912 and 2000. Covers the rise and fall of the Republican democracy and the Nationalist government, as well as the successes, setbacks and reforms of the Communist regime. Emphasis is on the relationships among revolution, modernization, nationalism and communism.

Note: Credit will be granted for only one of 434B, PACI 434B.

HIST 435
Units: 1.5
Hours: 3-0
Feudalism in Japan: the Way of the Warrior
From the 12th to the 19th Century
A study of politics, economics, society and culture in medieval and Tokugawa Japan with emphasis upon the role of the samurai class.

Note: Credit will be granted for only one of 435, PACI 435. 255 strongly recommended.

2006-07 UVIC CALENDAR

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
Japan's Postwar Economic History
Examines the factors giving rise to rapid economic growth in postwar Japan. These include economic reforms during the Occupation and the peace settlement; rapid capital accumulation in the 1950s; the relationship between exports and imports in economic development, distribution, social factors affecting the economy, the oil crisis and rise in the yen, the "Bubble Economy" and its bursting in the 1990s.

Notes: - Credit will be granted for only one of 436B, PACI 436B.
- 256 recommended.

HIST 438
Units: 1.5 or 3
Hours: 3-0
Topics in East Asian History
An intensive study of selected aspects of East Asian history.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 439
Units: 1.5 or 3
Hours: 3-0
Seminar in East Asian History
Selected topics in East Asian history.

Note: Credit will be granted for only one of 439, PACI 439. May be taken more than once for credit in different topics with permission of the Chair.

Advanced Courses: World & Comparative

HIST 440
Units: 1.5 or 3
Hours: 3-0
Topics in Middle East History
An intensive study of selected aspects of modern Middle East history.

Note: Credit will be granted for only one of 440, 468 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the Chair. 105 recommended.

HIST 442
Units: 1.5 or 3
Hours: 3-0
Palestinian-Israeli Conflict
The century-long struggle over Palestine/Israel, from the origins of Zionism to the non-agreed agreements emerging from the Oslo peace process. Major themes include: the processes and structures of nation-building and state-building; the role played by regional and international actors; the broader context of socio-economic changes; and the possibilities of reconciliation.

Note: Credit will be granted for only one of 442, 468, 469 (if taken in the same topic). 105 recommended.

HIST 443
Units: 1.5 or 3
Hours: 3-0
Religion and State in the Modern Middle East
Examines the historical junctures and socio-economic conditions in which modern Islamist movements have emerged. For comparative perspective, the course will study the politicization of Christian and Jewish communities in the Middle East (the Arab East, plus Iran, Israel, Turkey) and North Africa, and will also reflect on the political influence of religion in neighboring areas.

Note: Credit will be granted for only one of 443, 468, 469 (if taken in the same topic). 105 recommended.
HIST 450. Seminar in Indian History. 1.5 or 3.0 Units; Hours: 3-0. Selected topics in Indian History. Notes: May be taken more than once for credit in different topics with permission of the Chair. - 257 recommended.

HIST 451. Asian Diaspora: The Chinese Overseas. 1.5 Units; Hours: 3-0. 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 452. Foundations of Islamic Civilization. 1.5 Units; Hours: 3-0. 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 455. History of South Africa. 1.5 Units; Hours: 3-0. 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. British Columbia and the American Pacific Northwest. 1.5 Units; Hours: 3-0. 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. Modern Colonial Empires and the Making of the 'Third World'. 1.5 or 3.0 Units; Hours: 3-0. 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. Twentieth Century Decolonization in Global Perspective. 1.5 or 3.0 Units; Hours: 3-0. 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. Western Visions of "Other" Societies. 1.5 or 3.0 Units; Hours: 3-0. 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. Topics in World and Comparative History. 1.5 or 3.0 Units; Hours: 3-0. 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. Seminar in Comparative History. 1.5 or 3.0 Units; Hours: 3-0. Selected topics in comparative history. This course will examine various themes within different historical contexts. Note: 240 recommended.

Advanced Specialized Courses

HIST 470. Approaches to History. 3.0 Units; Hours: 3-0. The history of history and the nature of history as an intellectual discipline. Prerequisites: Student must be in the Honours program or have permission of the instructor.

HIST 471. Micro History: Theory and Practice For Regional Studies. 1.5 or 3.0 Units; Hours: 3-0. A research-oriented seminar examining the dimensions, possibilities and limitations of regional/local studies. Note: Credit will be granted for only one of 481, 358 (if taken in the same topic), 359 (if taken in the same topic), Preference given to students with at least third-year standing or approval of the Department.

HIST 472. Directed Reading. 1.5 or 3.0 Units; Hours: 3-0. 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 473. Third Year Honours Tutorial. 3.0 Units; Hours: 3-0. Directed readings and research. Students will be required to write a research essay of 7,500-10,000 words under the direction of a member of the Department.

HIST 474. Fourth Year Honours Tutorial. 3.0 Units; Hours: 3-0. Directed readings and research. Students will be required to write a research essay of 7,500-10,000 words under the direction of a member of the Department. After acceptance of the paper by the supervising faculty member the student will undergo an oral examination on the field covered in the paper.

HIST 475. Honours Thesis. 3.0 Units; Hours: 3-0. The preparation of an honours thesis from 15,000 to 25,000 words in length under the direction of a member of the Department. Normally, this thesis is an expansion of the student's research essay written for 495. After acceptance of the paper by the supervising faculty member, the student will undergo an oral examination on the field covered in the paper.

HOS 402. Issues and Practices in Hospitality Management. 1.5 or 3.0 Units; Hours: 3-0. This course will introduce a different management topic each year. It is designed to give the students sufficient understanding of the topic to conduct a related research project, in conjunction with several hotel and restaurant companies. A formal presentation of their findings will be made at the conclusion of the course to both the instructor and the client group. Note: Enrollment limited to students entering the Hotel and Restaurant Management area of concentration.

HSD 400. Policy in the Human Services. 1.5 Units; Hours: 3-0. The objectives of this course are to provide an introduction to the main organizational structures of, and stages in, the social policy making process in Canada; to strengthen skills in the analysis of policies and programs in Canadian human services; to critically examine different ideologies and theories through which the welfare state has been examined in various countries, and to develop an appreciation of the interdisciplinary nature of social policy as a field of academic and applied activity.

HSD 401. Women in the Human Services. 1.5 Units; Hours: 3-0. This course provides an opportunity to reflect critically on the experiences of women in various connections to the human services: as recipients, providers, advocates and policymakers. It explores the social, economic and political influences which have shaped these experiences for diverse groups of women. There is attention to the gendered aspects of programs and policies in the human services, and to the intersections between the private and public dimensions of women's lives.

HSD 425. Qualitative and Quantitative Analysis. 1.5 Units; Hours: 3-0. This course provides students with a grounding in the techniques commonly used in the analysis of both quantitative and qualitative data. Students will engage in the process of qualitative analysis through examining qualitative data, data coding and thematic construction. A range of descriptive and inferential...
statistical approaches to quantitative analysis are examined using a computer-based system. 

Note: Normally, this course is available only to students registered in the Schools of Child and Youth Care, Nursing, and Social Work. All students must have basic computing and word processing skills prior to enrolling in the course. Students taking the course off-campus must have access to a computer with a CD-ROM.

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 | Hours: 3-0
Perspectives on Substance Use
This is an introductory course on substance use and its impacts, particularly in relation to working with children and families. Students are expected to understand and critically reflect on a range of perspectives, and practise responses that flow from these perspectives. There is a particular emphasis on exploring the historical, social, and political contexts of substance use among Aboriginal peoples, women and youth. This course also addresses the impacts of substance use on children, families, and communities, and the issues of pregnancy and parenting. Students are expected to use critical reflection to articulate their own perspective on substance use.

Note: Credit will be granted for only one of 462, CYC 369, SOCW 479.

HSD 463 | Units: 1.5 | Hours: 3-0
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 368.

Prerequisites: 462, CYC 369 or SOCW 479 or another course with permission of the instructor.

HSD 464 | Units: 1.5 | Hours: 3-0
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 will be explored 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 and for 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
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 Service Management
Faculty of Business
Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), ENT (Entrepreneurship), HOS (Hospitality), IB (International Business), MBA (Master’s of Business Administration).

HSM 415 | Units: 1.5 | Hours: 3-0
Hospitality/Service Marketing Management
This course examines three dimensions of marketing: external, internal and interactive. External marketing focuses on such issues as pricing, communication, distribution/location and design of value added processes. Internal marketing reflects many HR activities, notably the hiring, training and reward systems necessary to ensure the fit between people and the service concept. Interactive marketing considers all of the issues arising from the situation where the customer is present in the service environment and an active participant in the service delivery. In addition, the course examines: creating a service culture, leadership, customer satisfaction, service recovery strategies, service blueprinting and managing the service environment.

Prerequisites: All third year commerce core or permission of the BCom Program Director.

HSM 416 | Units: 1.5 | Hours: 3-0
Hospitality/Service Operations and Quality Management
This course explores the key challenges in managing specific service processes and also considers quality management frameworks and principles. Topics to be examined are: defining and measuring service quality, quality economics and customer worth, designing and planning for service quality, QFD and the House of Quality, service capacity planning and waiting line management, service control and service quality improvement.

Prerequisites: All third year commerce core or permission of the BCom Program Director.

HSM 417 | Units: 1.5 | Hours: 3-0
Hospitality/Service Quality Information, Analysis Systems and Technology Issues
To improve service, hospitality companies must use multiple research approaches among different external and internal customer groups (current customers, competitor’s customers, employees) to ensure they understand them and are responding to their suggestions. This course examines a number of research techniques and indicates how they can be used to support their topics covered in service marketing, operations/quality management and financial management. The design and use of customer databases is also examined as are technology issues such as customer self-service technology, mass-cus-
IB 301 Units: 1.5 Hours: 3-0
The International Environment of Business
Aspects of the global business environment with emphasis on the reasons for international trade, economic structure of the world marketplace, and the important trading relations among nations.
Note: Not open to students registered in or with credit in COM 361.
Prerequisites: Third-year standing.

IB 408 Units: 1.5 Hours: 3-0
International Legal Institutions
The legal aspects of various international economic organizations including the World Bank, the International Monetary Fund, and the General Agreement on Tariffs and Trade (GATT). Canadian administrative law aspects relating to regulation of trade will be analyzed in the economic and political setting of the world community.
Prerequisites: 301 or COM 361 and fourth-year standing or permission of the Program Director.

IB 409 Units: 1.5 Hours: 3-0
Selected Topics in International Business Management
An analysis of international business as it relates to specialized fields with specific topics added on a regular basis to reflect changing issues and faculty availability. Topics vary on a yearly basis, and thus students should consult with the Faculty of Business for current offerings.
Note: May be taken more than once for credit with the permission of the Faculty of Business.
Prerequisites: 301 or COM 361 and fourth-year standing or permission of the Program Director.

IB 415 Units: 1.5 Hours: 3-0
Cross-National Management
An analysis of the influence of national culture on managerial practices, including the issues surrounding the transferability of such managerial practices.
Note: Credit will be granted for only one of 415, 302.
Prerequisites: COM 321 and 361, or IB 301 and COM 320, 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: Special fees apply for this course. See the Special Fee section of the calendar for details.
Prerequisites: All third year commerce core.
Corequisites: May only be taken concurrently with IB 415, 416 and 417 and COM 400.

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, DE, ED-D, ED-P, EDCI, IA, IET, ME, PE.

IGOV Indigenous Governance
Indigenous Governments Certificate Program and MA in Indigenous Governance
Faculty of Human and Social Development
IGOV 381 Units: 1.5
Written Communications in Indigenous Organizations
This course will focus on the development of written communications skills that contribute to effective performance. Written assignments will be designed to improve the student’s ability to communicate clearly, organize material, and present arguments. A focus will be placed on the development of good grammar and prose style, with a concentration on the preparation of briefs, the drafting of resolutions, reports, speeches and press releases. The unique challenges of working in indigenous organizations and communities will inform the effort throughout.

IGOV 382 Units: 1.5
Law and Indigenous Governance
This course will examine Provincial, Federal, State, Territorial and International laws affecting indigenous governments. It will examine the authorities of and legal relationships between Indigenous people and states. It will also include an examination of the indigenous philosophy of law, international, constitutional, statutory and common law pertinent to indigenous governments. Special attention will be paid to emerging concepts in International law on Indigenous rights and title.

IGOV 383 Units: 1.5
The Indigenous-State Relationship
This course will consider the traditional nature and contemporary evolution of the relationship between indigenous people and the state in a global context, with a special emphasis on local dynamics and the situation of indigenous governments in relation to the Canadian federal system. A focus will be placed on contrasting indigenous perspectives with an understanding of the current status of the relationship in legal, political and economic terms. The various processes and concepts used in the discussion of self-government and self-determination will be examined and compared to indigenous notions of nationhood, power and justice.

IGOV 384 Units: 1.5-3.0
Special Issues in Indigenous Governance
This course will provide students with an opportunity to examine and discuss the most relevant of contemporary issues facing indigenous governments. Topics and instructors will vary, and respond to pressing problems or concerns as determined by the students.
Note: May be taken more than once for credit in different topics.
### IS 371 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:** IS 380 and IS 381 or permission of the Program Administrator.

### IS 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:** IS 380 and IS 381.

### IS 482 Units: 1.5
**Strategic Communications**
This course will provide students with the understanding and skills necessary for effectively managing organizations and communications. A focus will be placed on the development of oral and written communications skills in relation to the media, strategies for optimizing internal communications, and the development and maintenance of an effective communications strategy.

**Note:** Students may take their elective credits from approved university transfer courses, or from one of the elective courses offered as part of the program.

**Prerequisites:** IS 380 and IS 381.

### IS 480 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:** IS 380 and IS 381.

### IS 481 Units: 1.5
**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.

### ITAL

### ITAL 149 Units: 3.0
**Beginners' Italian**
Intensive Italian language instruction for beginning language students. Equivalent to 100A/100B.

**Note:** Credit will be granted for only one of 149 and 100, 100A, 100B.

### ITAL 250A Units: 1.5
**Review of Grammar and Conversation I**
Intensive review of grammatical concepts and structures presented in 100A and 100B and acquisition of composition and translation skills. Readings will be taken from significant Italian authors. One hour a week will be devoted to conversation.

**Note:** Credit will be granted for only one of 250A, 200.

**Prerequisites:** 100A and 100B, or 149, or permission of the Department.

### ITAL 250B Units: 1.5
**Review of Grammar and Conversation II**
A continuation of 250A. Review of grammatical concepts and structures introduced in 100A and 100B as well as on the expansion and consolidation of skills acquired in 250A. Readings will be taken from significant Italian authors. One hour a week will be devoted to conversation.

**Note:** Credit will be granted for only one of 250B, 200.

**Prerequisites:** 250A.

### ITAL 255 Units: 1.5
**Communicating in Italian**
This optional companion course to 250B will focus on reading and speaking Italian. Short literary and journalistic texts will be used for oral practice to develop reading skills. Requirements will include brief written assignments, as well as film and media reports.

**Note:** Credit will be granted for only one of 255, 301.

**To be taken in conjunction with 250B.**

**Prerequisites:** 250A or permission of the Department.

### ITAL 303 Units: 1.5
**Medieval Italian Culture and Literature (in English)**
A study of Italian literature within the historical and cultural framework of Medieval Italy, starting with Frederick Il's Sicilian School of poetry and the "Sweet New Style" School of Bologna and Florence. Particular attention given to Dante's Divine Comedy and Boccaccio's Decameron and Petrarch's Canzoniere.

**Prerequisites:** Second-year standing.

### ITAL 306 Units: 1.5
**Italian Culture (in English)**
An introduction to artistic, intellectual, social and political trends in Italy from pre-Roman times to Italy in the new Europe of the 21st century, using the cultural history of three cities in particular to illustrate them: Florence, Venice and Rome. Specific reference will be made to Medieval and Renaissance Italy as a centre of culture in Europe, the Risorgimento, the Fascist regime, and the Italian miracle of the post-war period.

**Prerequisites:** Second-year standing.

### ITAL 350 Units: 1.5
**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.
ITAL 478 Units: 1.5 Hours: 3-0
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.
Topic: "Contemporary Women's Writing for Children".
Note: Credit will be granted for both 479A and SPAN 479A only if taken in different topics. ITAL 479A may be taken twice in different topics.
Pre- or corequisites: 350 or 351 if given in Italian; second-year standing if giving 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 1350 to 1550. The second half of the course will examine how and when Early Modern Italian literary, aesthetic and cultural ideals reached Spain and consider their impact in the inception and development of Spanish literature in the Golden Age, especially between 1526 and 1626. Emphasis will be on the works of such figures as Petrarch, Sannazzaro, Bembo, Castiglione, Garciaio, Herrera, Lope and Cervantes.
Note: Credit will be granted for both 479A 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.
Note: Students should consult 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 giving in English.

ITAL 495 Units: 1.5 or 3 Hours: 3-0
Directed Reading Course
A specified reading project for fourth-year students to be determined by the student and the instructor, and the Chair of the Department; written assignments will be required.
Note: May be taken more than once in different topics.

JAPA
Japanese
Department of Pacific and Asian Studies
Faculty of Humanities
Courses marked * are not available to native speakers of Japanese. A native speaker is defined in this context as a person who has spoken Japanese since childhood and who has received sufficient instruction to be literate in Japanese. Students who are not native speakers, but who do have some knowledge of Japanese, will be placed at an appropriate level; however, such students may, at the instructor's discretion, be required to withdraw or to transfer to a higher level course should their language proficiency prove greater than was initially supposed.

JAPA 149* Units: 3.0 Hours: 6-1
Introductory Japanese: I
Japanese language instruction for beginning language students. Development of basic language skills, including listening comprehension, speaking, reading and writing, through lectures, class discussions, tutorials for conversation practice, laboratory sessions, and other activities.
Note: Credit will be granted for only one of 149 or 103A and/or 101B, or equivalent. Limited to 25 students per section.

JAPA 150* Units: 3.0 Hours: 6-1
Introductory Japanese: II
Continuation of 149 for those students who intend to practise their listening comprehension, speaking and reading abilities, and writing skills on a more advanced level.
Note: Credit will be granted for only one of 150, 200. Limited to 25 students per section.

JAPA 201A Units: 1.5 Hours: 3-0
Formerly: part of 201
Aspects of Japanese Culture: I
A survey of Japan's cultural past from earliest times to the mid-nineteenth century. The major trends in Japanese history will be outlined, with emphasis on the outstanding cultural developments of each epoch, especially in the areas of literature, drama, philosophy and religion, and the visual arts. Relevant social backgrounds will also be considered. No knowledge of Japanese language is required.
Note: Credit will be granted for only one of 201A, 201.

JAPA 201B Units: 1.5 Hours: 3-0
Formerly: part of 201
Aspects of Japanese Culture: II
A survey of Japan's cultural past 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 Japanese 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: 6-1
Formerly: 300
Intermediate Japanese: I
A continuation of 150, aimed at a balanced development of listening, speaking, reading, and writing skills. Classes offer practice in listening comprehension, conversation, reading, translation, and composition.
Note: Credit will be granted for only one of 249, 300, 311. Limited to 25 students per section.

Prerequisites: A minimum grade of B in 150 or 200 or equivalent, or permission of the instructor.

**JAPA 260**

Units: 1.5  
Hours: 3-0  
Also: LING 260  
Introduction to the Japanese Language and Linguistics  
A general introduction to the synchronic and diachronic descriptions of Japanese; subjects covered may include: phonology, morphology, syntax, semantics, historical changes, poetics, dialectology, orthography, the sociolinguistic and psycholinguistic aspects of Japanese, the relationship between Japanese language, thought, and culture, and the history of Japanese linguistics. Previous knowledge of Japanese not necessary.

Note: Credit will be granted for only one of 260, LING 260.

**JAPA 302A**

Units: 1.5  
Hours: 3-0  
Formerly: part of 302  
Japanese Literature in Translation: From Earliest Times to the Beginning of the Middle Ages  
A survey, through materials in English translation, of Japanese literature from the middle ages to the eve of the Meiji Restoration. Major literary trends will be covered, including non-verbal communication 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 302B**

Units: 1.5  
Hours: 3-0  
Formerly: part of 302  
Japanese Literature in Translation: the Middle Ages and the Early Modern Period  
A survey, through selected English translations, of Japanese literature from the middle ages to the eve of the Meiji Restoration. Major literary trends will be examined, including zuihitsu and popular fiction, linked verse and haiku poetry, No drama and the puppet theatre.

Note: Credit will be granted for only one of 302B, 302.

Prerequisites: Second-year standing or permission of the instructor.

**JAPA 303A**

Units: 1.5  
Hours: 3-0  
Formerly: part of 303  
Modern Japanese Literature in Translation: From 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 Ogas, and other novelists, poets and playwrights.

Note: Credit will be granted for only one of 303A, 303.

Prerequisites: Second-year standing or permission of the instructor.

**JAPA 303B**

Units: 1.5  
Hours: 3-0  
Formerly: part of 303  
Modern Japanese Literature in Translation: From 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 literature by writers like Kawabata, Tanizaki, Oe, Mishima and Murakami.

Note: Credit will be granted for only one of 303B, 303.

Prerequisites: Second-year standing or permission of the instructor.

**JAPA 311**

Units: 3.0  
Hours: 6-1  
Formerly: 250  
Intermediate Japanese: II  
A continuation of 249, offering further balanced development of language skills. Classes will be conducted in Japanese.

Note: Credit will be granted for only one of 311, 250. Limited to 25 students per section.

Prerequisites: A minimum grade of B+ in 249 (or 300) or equivalent.

**JAPA 312**

Units: 1.5  
Hours: 3-0  
Formerly: part of 400  
Advanced Readings in Japanese: I  
Readings in modern Japanese, designed to broaden students' acquaintance with the Japanese writing system, expand their working vocabulary, and provide a firmer grounding to their general knowledge of the language. Course content may vary from year to year.

Note: Credit will be granted for only one of 312, 400. Limited to 25 students per section.

Prerequisites: A minimum grade of A in 311 (or 250) or permission of the instructor.

**JAPA 313**

Units: 1.5  
Hours: 3-0-1  
Formerly: part of 400  
Advanced Readings in Japanese: II  
A continuation of 312 for students who wish to expand their working vocabulary and develop their skills in reading modern Japanese. Course content may vary from year to year.

Note: Credit will be granted for only one of 313, 400. Limited to 25 students per section.

Prerequisites: A minimum grade of B+ in 312 or permission of the instructor.

**JAPA 314**

Units: 1.5  
Hours: 3-0-1  
Formerly: part of 411  
Advanced Comprehension and Conversation  
An advanced course designed to develop knowledge of practical Japanese through listening and speaking practice.

Note: Credit will be granted for only one of 314, 411. Limited to 25 students per section.

Prerequisites: A minimum grade of A in 311 (or 250) or permission of the instructor.

**JAPA 315**

Units: 1.5  
Hours: 3-0-1  
Formerly: part of 411  
Advanced Composition: I  
An advanced course designed to develop knowledge of written Japanese through practical writing practice.

Note: Credit will be granted for only one of 315, 411. Limited to 25 students per section.

Prerequisites: A minimum grade of A- in 311 (or 250) or equivalent or permission of the instructor.

**JAPA 320**

Units: 1.5  
Hours: 3-0  
Also: THEA 312  
Introduction to the History of Japanese Theatre  
A survey of Japanese theatre history from earliest times until the present day. Introduction to the major forms, styles and theory of Japanese theatre, both premodern and modern. Readings of plays in translation will be supplemented by screenings of films and videos of stage performances.

Note: Credit will be granted for only one of 320A, THEA 312.

Prerequisites: Second-year standing or permission of the instructor.

**JAPA 324A**

Units: 1.5  
Hours: 3-0  
Humanism in Japanese Cinema to 1960  
This course will examine the philosophies underlying the films of representative directors such as Kurosawa Akira, Mizoguchi Kenji, and Ozu Yasujirou from the pre-war years up to 1960, covering themes which include gender relations, class/ideology, and the place of the individual in society.

Note: Credit will be granted for only one of 320B, THEA 313.

Prerequisites: 320A or THEA 312.

**JAPA 324B**

Units: 1.5  
Hours: 3-0  
Trends in Japanese Cinema, 1960 to Present  
This course will examine issues in Japanese cinema from the 1960s to the present day, focusing on such topics as experimentation, social radicalism, the modernist/postmodernist transition, and gender relations. Directors to be considered include Teshigahara, Oshima, Itami, Miyazaki, and others.

Prerequisites: Second-year standing or permission of the instructor.

**JAPA 358**

Units: 1.5 or 3  
Hours: 3-0  
Topics in Japanese Language, Literature, and Culture  
This seminar will examine selected topics related to Japanese language, literature, or cultural studies. Topics and instructor will vary from year to year.

Note: May be taken more than once for credit in different topics to a maximum of 9 units.

Prerequisites: Will vary according to the topic; prospective students should consult with the instructor or with the Program Adviser.

**JAPA 359**

Units: 1.5  
Hours: 3-0  
Love and Sex in Japanese Culture  
A seminar on love and sex in Japan, from earliest times to the present day. Class readings, including fiction, drama, and poetry, will be supplemented with student presentations on a variety of topics and texts.

Note: Credit will be granted for only one of 359, 358 if taken in the same topic.

Prerequisites: Second-year standing or permission of the instructor.

**JAPA 396**

Units: 1.5  
Hours: 3-0  
Also: LING 396  
Sociolinguistic Issues in Japanese  
An examination of the Japanese language in its social context. A wide range of sociolinguistic topics will be covered, including non-verbal communication and types of Japanese spoken outside of Japan. Attention will be given to linguistic, dialectal, and stylistic variation in speech communities, and to sociolinguistic considerations such as class, gender, and social setting.

Note: Credit will be granted for only one of 396, LING 396.

**JAPA 403A**

Units: 1.5  
Hours: 3-0  
Readings in Modern Japanese Literature: 1960 to the Present  
A seminar for advanced students prepared to read literary texts in modern Japanese. Course
content will include contemporary fiction, drama and/or poetry, and may vary from year to year.

**Note:** May be taken more than once for credit with permission of the instructor.

**Prerequisites:** 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313; or permission of the instructor.

JAPA 403B

**Units:** 1.5  
**Hours:** 3-0

**Readings in Modern Japanese Literature: 1900-1960**

A seminar for advanced students in reading Japanese texts (fiction, drama and/or poetry) from 1900 to 1960. Course content may vary from year to year.

**Note:** May be taken more than once for credit with permission of the instructor. Prior completion of 403A is recommended.

**Prerequisites:** 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313; or permission of the instructor.

JAPA 480*

**Units:** 1.5 or 3

**Directed Readings in Japanese**

This course is designed for advanced students prepared to read extensively in Japanese. Readings will be assigned by the instructor in consultation with the participating students.

**Note:** May be taken more than once for credit with permission of the instructor and the Japanese Program Adviser. Not open to native speakers.

**Prerequisites:** JAPA 313 (or 400) or equivalent level of language competence; minimum grade of A- in 312 plus enrollment in 313 or permission of the instructor.

JAPA 481*

**Units:** 1.5 or 3

**Special Topics**

Offered either as a reading course, a tutorial or a seminar in Japanese language, literature or culture, for advanced students. Consult appropriate members of the Department about topics and requirements.

**Note:** May be taken more than once for credit with different topics. 3 units with permission of the instructor and the Japanese Program Adviser. Not open to native speakers.

**Pre- or corequisites:** 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

**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 studies 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.

**Topic:** "A Multidisciplinary Study of Community Empowerment"

**Note:** May be taken more than once for credit in different topics.

**Prerequisites:** Second-year standing.

LATI

Latin Department of Greek and Roman Studies

Faculty of Humanities

LATI 499

**Units:** 1.5

**Honours Graduating Essay**

Directed readings and research for Honours students to conduct 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.

**Prerequisites:**
- JAPA 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313; or permission of the instructor.

**Note:**
- May be taken more than once for credit with permission of the instructor. Prior completion of 312 is recommended.

**Prerequisites:** 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313; or permission of the instructor.

LATI 508

**Units:** 1.5

**Cicero**

Readings inLatin 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 509

**Units:** 1.5

**Ovid**

Readings from Ovid's Metamorphoses or other poems.

**Prerequisites:** 202 or permission of the Department.

LATI 510

**Units:** 1.5

**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 535

**Units:** 1.5

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 542

**Units:** 1.5

**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 544

**Units:** 1.5

**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 546

**Units:** 1.5

**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 547

**Units:** 1.5

**Imperial Roman Historians and Biographers**

Readings from one or more Roman historians and/or biographers who wrote after Sallust and Livy, such as...
Tatius, Suetonio, 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 Peteanus and Apuleius.

Prerequisites: Completion of at least 3 units of Latin at the 300 level or above, or permission of the Department.

LATI 410 Units: 1.5 Hours: 3-0
Horace
Readings from one or more of Horace’s Epodes, Odes, and Epistles.

Prerequisites: Completion of at least 3 units of Latin at the 300 level or above, or permission of the Department.

LAW
Law
Faculty of Law

LAW 100 Units: 3.0
The Constitutional Law Process
This course deals with the basic framework of the Canadian constitutional system and illustrates that the constitution is the skeletal framework within which the legal system functions. The function of a constitution, the main characteristics of constitutions and Constitutional Law, entrenchment, amendment, the nature and structure of the BNA Act, the division of powers, concurrency in a federal state, the sources of Canadian Constitutional Law, Executive power, legislative authority, delegation, the role of the judiciary, civil liberties, developing issues in Constitutional Law.

Note: Full year course: 75 hours.

LAW 102 Units: 2.0
The Criminal Law Process
The course is an introduction to Criminal Law and its process as a means of sanctioning prohibited conduct. Attention is directed to the following matters:
1. The reporting of crime including some discussion of the common characteristics of offenders and offenses.
2. The role of the police and the prosecutor in the pretrial portion of the process including such matters as arrest, search and seizure, and the discovery of evidence.
3. The aims and purposes of the Criminal Law and the role of the lawyer in the Criminal Law process.
4. The substantive Criminal Law including the ingredients of criminal offences and the application of the various defenses which are available.
5. Theories of punishment and practices of disposition and sentencing of offenders.

Students may be asked to spend up to ten hours in a field experience either in the courts, with police, or in corrections. Students are required to keep a journal in connection with this part of the course.

Note: Full year course: 60 hours.

LAW 104 Units: 1.5 Hours: 4-0
Law, Legislation and Policy
This course considers the development and interpretation of legislation. The former includes an introduction to institutions, players and procedures involved in the creation and enactment of legislation. The second and the most significant part of the course involves an examination of judicial approaches to interpretation of statutes and subordinate legislation including principles and presumptions of legislative interpretation and judicial challenges to the validity of subordinate legislation.

LAW 106 Units: 1.0
The Legal Process
The Legal Process seeks a perspective of the processes of decision making throughout the legal system by examining its major institutions and the function of substantive and procedural law within them. It attempts to provide first-year students with a transnational “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, 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.

LAW 108 Units: 6.0
The Private Law Process
These courses concentrate upon some of the basic rules or processes which regulate the relationships between private citizens. There is an attempt to integrate and interrelate many of the basic concepts normally covered in Contracts, Property, and Torts.

108A (2 units) Contracts (full year)
108B (2 units) Property (full year)
108C (2 units) Torts (full year)

Note: Full year course: 200 hours.

LAW 110 Units: 1.5
Legal Research and Writing
The purpose of the course is to acquaint the first-year student with the variety of materials in the Law Library and to provide a knowledge of basic legal research techniques. The use of various research tools, including the computer, is considered. Through a variety of written assignments, the students will become familiar with accepted principles pertaining to proper citation in legal writing and will develop a degree of proficiency in legal writing and research.

Note: Full year course: 45 hours.

LAW 301 Units: 2.0 Hours: 4-0
The Administrative Law Process
This course will seek to investigate the nature and function of the administrative process with particular reference to the development of tribunals and agencies with a wide variety of disparate functions and interactions with private life. Similarly, the course will investigate the way in which tribunals and courts interact, with specific reference to the judicial arsenal available for the control of administrative behaviour.

LAW 302 Units: 1.5 Hours: 3-0
Criminal Law: II
This course builds naturally upon the first-year course in the Criminal Law Process with specific reference to defences and offences. In-depth study of such matters as conspiracy, attempts, counselling, as well as the substantive 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 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.

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 resolution of 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 right to restitution may arise: (1) benefits conferred by mistake; (2) benefits conferred in the course of an ineffectual transaction; (3) benefits conferred as a result of wrongdoing; and (4) benefits conferred in a non-officious context.

LAW 311
Units: 1.0
Hours: 2-0
Regulation of Financial Institutions
The role played by Canadian banks, insurance companies, and trust and loan companies as financial intermediaries and the need for a supervisory framework to protect both the soundness and safety of these institutions and the security of their customers. Topics will include jurisdictional issues, foreign banking, consumer insurance, institutional failures, and multi-national financial service agreements. Focus will be concentrated on the governing legislation, current financial statements, and contemporary issues presented in the business press.

LAW 312
Units: 1.5
Hours: 3-0
Debtor and Creditor Relations
The course will discuss legal aspects of the collection of judgments; use and problems of mechanic's liens; fraudulent transactions, both under provincial and federal law; creditor's arrangements; debtor assistance programs; and bankruptcy.

LAW 313
Units: 1.5
Hours: 3-0
Security Regulation
An overview of the law and policy aspects of securities regulation including the initial distribution of securities, the regulation of secondary market trading, takeover and issuer bid regulation, and the regulation of securities market intermediaries.

LAW 314
Units: 1.0 or 1.5 Hours: 2-0 or 3-0
Commercial and Consumer Law
This course focuses on the commercial and consumer law relating to the sale of goods and services, including an examination of the Sale of Goods Act and the Business Practices and Consumer Protection Act. Students are also introduced to the Vienna Convention on the International Sale of Goods. This course was formerly called Sale of Goods (1.0 to 1.5 units)

LAW 315
Units: 2.0 or 2.5
Hours: 4-0
Business Associations
This course will analyze and discuss various legal forms for carrying on trade. The course recognizes that the corporation is one of immense commercial and legal significance as an organizational form and will hence stress legislation and materials respecting the modern company. Students will, however, be exposed to the sole proprietorship, partnership and related agency principles.

LAW 316
Units: 2.0
Hours: 4-0
Secured Transactions and Negotiable Instruments
After a brief history of chattel security law, this course will focus upon the law of secured transactions in personal property at both the consumer level and at the corporate level under the Personal Property Security Acts. The course will also introduce the student to Bank Act security and to the law of negotiable instruments.

LAW 317
Units: 2.0
Hours: 4-0
Real Property Transactions
This course will adopt a transactional perspective and analyze the development of a real property transaction from its inception to post-completion problems. Specific reference to listing the property for sale and the responsibilities and obligations of the agent under the Real Estate Act, specific matters relating to the interim agreement, financing of the purchase and assessment of title, as well as preparation of the file for closing. Brief consideration will be given to condominium law and landlord and tenant relations.

LAW 318
Units: 1.5 or 2.0 Hours: 3-0 or 4-0
Remedies
This course seeks to highlight the interaction between the various substantive areas of private law: torts, property, contract and restitution. Additionally, the interaction between the common law and equity systems will be developed conceptually and historically. The course will concern itself with questions regarding damages, specific remedies, restitution, as well as analysis for alternative methods of remedial action through compensation schemes.

LAW 319
Units: 1.5
Hours: 3-0
Trusts
This course concerns the trust as a mode of disposition of property for the benefit of successive or single beneficiaries, and the contrast is made with absolute dispositions. Comparison is made with other concepts of obligation and property holding. The creation, administration, variation and termination of express trusts are examined, and also the theory and applicability of resulting and constructive trusts.

LAW 320
Units: 1.5
Hours: 3-0
Succession and Estate Planning
This course involves the study of testamentary and intestate succession. The principles of the law of wills, both common law and statutory, and the statutory provisions for the devolution of intestate estates, will be examined. The drafting of wills is a feature of this course. Estate planning involves a general examination of the disposition of assets in life and on death with the background of income, inheritance and gift taxes.

LAW 321
Units: 1.5
Hours: 3-0
Competition Law
This course will trace the development of competition law from the common law doctrines of restraint of trade through the areas of trademarks and statutory regulation of competitive practices contained in anti-competitive and competition law, with an examination of the policy and theory underlying government regulation of restrictive trade practices.

LAW 322
Units: 1.5
Hours: 3-0
Family Law
This course will consider the institution of the family, both in its social and legal contexts. Specific reference will be had to law relating to marriage, divorce, custody, matrimonial property and the role of the lawyer in the resolution of family problems. This is a course which is ideally suited to interdisciplinary team teaching in order that the course may helpfully illustrate the impact of legal decision making on the social unit of the family.

LAW 324
Units: 1.0 or 1.5
Hours: 2-0
Children and the Law
Considering such questions as adoption, affiliation, child protection, juvenile delinquency, custody and access, this course will focus upon the impact of law and legal institutions on children and their relations in society. The course will attempt to bring the knowledge and expertise of specific related disciplines to bear upon the development of law and the legal institutions in this area.

LAW 326
Units: 2.0
Hours: 4-0
Employment Law
This course offers an introduction to three legal regimes bearing upon the employment relationship: (1) the common law; (2) collective bargaining law; and (3) regulatory schemes in such fields as employment standards, human rights and occupational health and safety. A major theme of the course is the relative strengths and weaknesses of these three regimes and the legal institutions charged with their administration. Note: Credit will be granted for only one of 326, 327 taken prior to 1985-86.

LAW 327
Units: 1.5
Hours: 3-0
Jurisprudence
A wide variety of topics may be considered in this course in order to develop a theoretical framework for the purpose and function of law in society. Various schools of jurisprudential thought will be analyzed, including the Natural Law school, the Positivist school, Pure Theory school, the Sociological School, the American and Scandinavian Realist schools as well as Historical and Anthropological Jurisprudence.

LAW 328
Units: 1.5
Hours: 3-0
Also: ES 419
Formerly: ES 450
Seminar in Environmental Law and Policy
A seminar based on a selected theme in environmental law and policy; individual research, presentation and contribution to a collected work on the theme required. Open to upper year students in the Faculty of Law and students with at least fourth-year standing in the Environmental Studies Program.

LAW 329
Units: 1.5
Hours: 2-0
Environmental Law
This is a foundational course for students interested in environmental law and policy. Students will acquire an overview of recent developments and debates within this area. Topics addressed include federalism and the environment, common law rights and remedies, public participation and judicial review, market mechanisms for environmental protection, endangered species, and trade and the environment. A key focus concerns the extent to which environmental law reflects, or fails to reflect, evolving social and other values.

LAW 330
Units: 1.5
Hours: 3-0
International Law
Public International Law is concerned with the legal relations of states and the individuals who compose them. The course seeks to explore the way in which sovereign powers choose to govern their interrelationships and analyzes problems which confront them. Topics will include an examination of the international legal system, modes of international law creation and law enforcement as well as the process of international adjudication.

LAW 331
Units: 1.0 or 1.5
Hours: 2-0
Coastal and Marine Law
This course considers various problems in international ocean resources law and policy. Bordering three oceans, Canada has an extensive interest in ocean matters particularly regarding fishing, offshore hydrocarbon development, navigation and marine environment. This course concentrates on the prob-
Dispute Resolution: Theory and Practice

Collective Agreements: Negotiation and Arbitration

Social Welfare Law

International Trade Law

Advanced Business Associations

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 334
Units: 1.5
Hours: 3-0
Dispute Resolution: Theory and Practice
This course will examine the forms and functions of major dispute resolution mechanisms - mediation, negotiation and adjudication. These are the processes which are critical to lawyers and other persons concerned with preventing or resolving disputes. Both court adjudication and alternative dispute resolution (ADR) will be studied from theoretical, critical and practical perspectives. The course will also examine and develop the skills used in various dispute resolution procedures.

Law 335
Units: 1.5
Hours: 3-0
Collective Agreements: Negotiation and Arbitration
A study of the negotiation and administration of collective agreements in the private sector. Topics will include labour negotiation theory, bargaining structure, grievance resolution, contract interpretation, individual rights and the role of the Labour Relations Board.

Law 336
Units: 1.0 or 1.5
Hours: 2-0
Mediation and Lawyers
This course involves an in-depth and critical examination of the use of the mediation process to resolve a wide variety of substantive disputes involving business, family, criminal, environmental, international, and public policy issues. The course will provide students with an opportunity to review and evaluate contemporary perspectives on the mediation process and to develop skills that successful mediators employ in helping parties resolve their disputes. This course builds on the concepts studied in Law 337.

Law 337
Units: 1.0 or 1.5
Hours: 2-0
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 338
Units: 1.5
Hours: 3-0
Legal Theory Workshop
This course will examine the forms and functions of major dispute resolution mechanisms - 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 339
Units: 1.5
Hours: 3-0
Mediation and Lawyers
This course involves an in-depth and critical examination of the use of the mediation process to resolve a wide variety of substantive disputes involving business, family, criminal, environmental, international, and public policy issues. The course will provide students with an opportunity to review and evaluate contemporary perspectives on the mediation process and to develop skills that successful mediators employ in helping parties resolve their disputes. This course builds on the concepts studied in Law 337.

Law 340
Units: 1.5
Hours: 3-0
Indigenous Lands, Rights and Governance
This course examines the major legal issues concerning Indigenous peoples (Indian, Inuit and Metis) in Canada. It will explore the development of Canadian case law relative to these groups and its simultaneous preservation and dispossession of Indigenous people's rights. Comparisons will be drawn from other countries dealing with Indigenous Rights. In exploring these issues the course will also examine aspects of legal pluralism, and assess a variety of normative and political justifications for aboriginal rights.

Law 341
Units: 1.5
Hours: 3-0
Historical Foundations of Aboriginal Title and Government
This seminar introduces students to the issues of aboriginal title and self-government in their historical context. The focus is upon common law, constitutional and statutory law in relation to aboriginal title and rights, but reference is also made to the treaty process, reserve lands and hunting and fishing. Although the course deals with all parts of Canada, the emphasis is upon British Columbia.

Law 342
Units: 1.5
Hours: 3-0
Immigration and Refugee Law
This course examines immigration and refugee law, policy and practice. Topics considered include the historical perspective, constitutional jurisdiction, the admission of immigrants, visitors 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: 1-0
Contemporary Issues in Law
This course is concerned with legal issues which are contemporary and problematic. Each issue will be examined in the light of existing legal rules, social and related implications, the legal process, and possible reform. Note: The unit value of the course may vary from 0.5 to 2 units per term. May be taken more than once for credit.

Law 344
Units: 1.5
Hours: 3-0
Insurance Law
The course will examine the theory and elements of the practice of insurance law, with reference to the most common forms of both first party and third party insurance: property, life and motor vehicle insurance.

Law 345
Units: 2.0
Hours: 4-0
Taxation
The course will strive to cover the basic principles of income tax law including such issues as taxable income, residence income from employment, business or property, and capital gains. It will also deal in a general way with policy underlying certain aspects of the Income Tax Act and will provide an introduction to certain specific areas of the Act, concentrating primarily on personal income tax law.

Law 346
Units: 1.0 or 1.5
Hours: 2-0
Advanced Taxation
This course builds on the concepts studied in Taxation (345) and is concerned primarily with the Income Tax treatment of business organizations, particularly corporations and partnerships, and their investors.

Law 347
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 trademark 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. Global business dimensions of technology are presented, especially in a Pacific Rim context between Canada, United States and Japan.

Law 349
Units: 1.5-3.0
Hours: 3-0
Business Law Clinic
Using a clinical approach, this course allows students to apply knowledge gained in LAW 315 Business Associations as they assist small business owners and those who are considering going into business to assess their legal requirements. By working with the Clinic 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.

LAW 350
Units: 3.0-7.5
Hours: 6-0
Clinical Term
Clinical legal education is predicated upon the assumption of a recognized role within the legal system by the law student. The experience gained from the participation in the role becomes the focus for reflection and examination of substantive legal rules, procedural and strategic positions, and introspective critical analysis of the role of the lawyer in the legal process. This requires a carefully supervised program with manifold opportunities for one to one instructor student supervision and regular group sessions. Programs envisaged would take place in a community law office.

LAW 351
Units: 3.0-7.5
Hours: 6-0
Public Law Term
This course will provide a forum for the development of a comprehensive understanding of the nature of policy formulation and decision making in governmental departments and agencies as well as the role of the lawyer in the context of the administrative and
COURSE LISTINGS

legislative processes. The course will focus on selected areas of governmental activity and will examine the evolution of public law and the conflicting values involved in the regulation of contemporary society, the emerging dominance of the executive branch of the government and the professional responsibility of the lawyer as advocate, legislator, counsellor, lobbyist, administrator and policy adviser. A clinical placement may be arranged for each student.

Note: Only part-time students may enroll for less than 7.5 units. Part-time students are required to consult with the professor before registering for Law 351 in order to make necessary accommodation arrangements.

LAW 352 Units: 3.0-8.0

Exchange Law Term

With the permission of the Dean, or his or her designative, where the Faculty of Law has entered into an exchange program or agreement with another law faculty in Canada or elsewhere, a student may be allowed to enroll in this term, for up to 8 units towards his or her LLB degree at the University of Victoria.

Note: The terms and conditions of a student's enrollment in an exchange term, the number of credits for which the student may be enrolled, and the requirements for successful completion of term are governed by the regulations adopted by the Faculty for this program.

Grading: COM, N or F

LAW 353 Units: 1.0-2.0 Hours: 2-0

Environmental Law Centre Clinic

This course offers students an opportunity to study the theory and engage in the practice of public-interest environmental lawyering in a supervised clinical setting. Students enrolled in the Clinic provide legal information and assistance to environmental NGOs, community groups and First Nations. They also develop public interest lawyering skills including advocacy through media, client counselling, and case development and management. The class meets for a weekly seminar to discuss ongoing projects and related readings, and to exercise skills. At the end of term, every student will submit for evaluation a major written product prepared for a designated clinic client.

Note: May be taken twice for credit to a maximum of 4 units with the approval of the Associate Dean.

Grading: COM, N or F

LAW 354 Units: 1.5 Hours: 3-0

Environmental Law

This course assesses the record of reform in a variety of areas (including forest tenures, practices, stumpage, cut regulation and land use planning) against the overarching metric of sustainability. A disciplinary approach is used. The course also considers emerging topics such as forest certification and First Nations forestry.

LAW 355 Units: 2.0 Hours: 4-0

Legal Skills

The course uses materials from substantive law to examine and develop the skills of the lawyer in interviewing, counselling and negotiating.

Grading: COM, N or F

LAW 356 Units: 2.0 Hours: 4-0

Advocacy

This course will involve a critical analysis of the trial process including the demonstration and evaluation of various techniques of advocacy and their relationship to the law of evidence and procedure. In particular, the objectives and techniques of pretrial motions, examinations for discovery, examination and cross examination of witnesses, exhibits, and the presentation of legal argument will be considered.

Grading: COM, N or F

LAW 357 Units: 1.5 Hours: 3-0

Sexual Orientation and the Law

This course explores how the law treats gay, lesbian, bisexual, two spirited, transgendered and queer persons differently than heterosexuals either because of its substantive contents or because of its applications in practice by courts and tribunals. Legal issues will be considered in their historical, social, and political contexts. Some comparative analysis will be included. Particular topics to be considered in depth will be selected by the instructor in consultation with students.

LAW 358 Units: 1.5 Hours: 3-0

Race, Ethnicity, Culture and the Law

This course will examine the interaction between law, race and ethnicity in contemporary Canadian society employing a broad range of perspectives to analyze and debate critically the activities, policies and interactions of legal and social institutions. The continuing existence of personal and institutional racism, its effects on minority individuals and groups, and resistance to it within minority ethnic and cultural communities will also be considered. Among the topics to be addressed will be: race theory; multiculturalism and nationalism; immigration and refugee policy; interactions of race and gender; employment equity policy and race; race and ethnicity in the administration of justice; race and the legal profession; and, First Nations justice.

LAW 359 Units: 1.5 Hours: 3-0

Civil Liberties and the Charter

This course will examine the relationship between government and the individual. The major emphasis will be upon the development and protection of civil liberties and human rights in Canada. Reference may also be made to Human Rights Legislation and International Agreements.

LAW 360 Units: 1.5 Hours: 3-0

The Legal Profession

This course is designed to provide students with insights and perspectives into the organization and operation of the legal profession as a vital institution in the legal process. The class will be asked to consider the legal profession in its social context, its formal organization, ethical procedures, and the role of the lawyer throughout the legal process. It appears to many that the role of the professions in general is changing. A consideration of this issue is focused upon the legal profession.

LAW 361 Units: 1.5 Hours: 3-0

Historical Foundations of the Common Law

The development of English legal systems have had a profound impact on Canada as well. Beginning with 11th century European developments, the course will consider a number of topics, such as Anglo-Saxon England and the Norman Conquest, the development of common law and equity, criminal law and 19th century developments, ending with some analysis of the "reception" of English law in the colonies.

LAW 362 Units: 1.5 Hours: 3-0

Colonial Legal History: Law, State, Society and Culture in Canada and Australia

This course uses a website for both teaching and communications linking students at UVic, UBC and Australian National University. It offers the study of legal history as a means of understanding the relationships between law, state, society and culture in Canada in comparison and contrast with Australia. These two modern liberal democratic states which previously comprised clusters of British settler colonies, established at different times, for different purposes, during the late 18th and through the 19th century provide a rich setting for examining the growth of colonial legal culture, tensions between imperial governance and settler demand and the competing pressures for centralization and pluralism in law and the administration of justice. The colonies of Upper Canada, Vancouver’s Island/British Columbia, New South Wales, and South Australia are the subjects of the most detailed study.

LAW 363 Units: 1.5 Hours: 3-0

Conflict of Laws

This course seeks to illustrate problems arising out of the interaction of laws and legal systems. Such important questions as choice of law, recognition of foreign judgments, doctrines of domicile and renvoi will be investigated in order to develop an understanding of the choices and values inherent in decision making in this area.

LAW 364 Units: 1.5 Hours: 3-0

Law, Governance and Development

In the era of globalization public law reform has become an increasingly important aspect of development. How can developing democracies and post-conflict societies deal effectively with corruption and abuse of power, and establish political stability and sustainable development? This course examines the nature and prospects of laws and governance in the developing world, focussing mainly on the Commonwealth states of Asia and Africa.

LAW 365 Units: 1.0 or 1.5 Hours: 2-0

Legal Mooting

A student may be awarded credit in the second and third years of the student’s program to a maximum of 3 units in either year and 4 units in the student’s entire program for supervised participation in moot programs approved by the Dean. Students may not engage in more than one moot competition in the same academic session.

Grading: COM, N or F

LAW 366 Units: 1.0 or 1.5 Hours: 2-0

Patent Law

A study of the principles and practical implications of patent protection in Canada. Discussions will include the fundamental concepts of patentability, validity, infringement and commercial exploitation of patentable technology, ultimately leading to a focus on the Canadian patent growth area of pharmaceutical and biotechnological product and process protection. There will also be a brief comparative view of the United States’ and Japanese systems in contrast to the Canadian patent system.

LAW 367 Units: 1.5 Hours: 3-0

Telecommunications, Entertainment and Media

A consideration of Canadian telecommunications, entertainment and media law and policy including constitutional and regulatory issues from historical and current perspectives. A number of selected topics will be examined including the convergence of the traditionally distinct "broadcast" and "non-broadcast" functions with each other and with the Internet, promotion of competition as opposed to regulation, the relationship with international trade and globalization and the application of intellectual property, particularly copyright, to the media of communication.

LAW 368 Units: 1.5 Hours: 3-0

Indigenous Women and the Law

This course examines the unique historical and contemporary place of Indigenous women within the constructs of Canadian law and society. The course takes an interdisciplinary approach. Topics canvassed are marital property, colonialism, government, membership, human rights, criminal justice, sexuality, employment and children.

LAW 369 Units: 1.5 Hours: 3-0

Feminist Legal Theories

This seminar explores critiques of law and legal reasoning from several feminist perspectives. Topics

LAW 370 Units: 1.5 Hours: 3-0

Telecommunications, Entertainment and Media

A consideration of Canadian telecommunications, entertainment and media law and policy including constitutional and regulatory issues from historical and current perspectives. A number of selected topics will be examined including the convergence of the traditionally distinct "broadcast" and "non-broadcast" functions with each other and with the Internet, promotion of competition as opposed to regulation, the relationship with international trade and globalization and the application of intellectual property, particularly copyright, to the media of communication.
which will be examined include feminist critiques of liberal legal theory, anti-racist feminism and legal analysis, feminist epistemologies and legal reasoning, and feminist theories regarding women’s relationships to law and to the state.

**LAW 370**  Units: 1.5  Hours: 3-0

**Law and Society in South East Asia**

This course introduces, in comparative and 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, constitutionalism, and the use of law for economic development.

**Note:** Open to Law and eligible Dispute Resolution Program students.

**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 the domestic legal order, human rights, the rule of law, peace, environmental integrity, trade, economic development and human security.

**Note:** Open to Law and eligible Dispute Resolution Program students.

**LAW 372**  Units: 1.5  Hours: 3-0

**Public Policy, Law and Dispute Resolution**

This course examines a range of issues of governance and justice. It focuses on the interaction of political, legal and administrative institutions and processes as they respond to such pressures as the demand for enhanced representation, public participation and direct democracy, access to justice and alternative dispute resolution, aboriginal self-government, fiscal restraint, public accountability and ethics.

**Note:** Open to Law and eligible Dispute Resolution Program students.

**LAW 373**  Units: 1.5  Hours: 3-0

**International Human Rights and Dispute Resolution**

This course examines the extent to which international law serves as an effective vehicle for the protection of human rights. It explores the nature of civil and political rights, and social and economic rights, the rights of women, of indigenous peoples and of 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 institutions, case law, and process.

**LAW 375**  Units: 1.5  Hours: 3-0

**Law, constitutionalism and Cultural Difference**

This course explores the justifications and institutional options for cultural accommodation in law, legal interpretation, and constitutional structure. Theoretical arguments for and against cultural accommodation, and an examination of how those arguments might be translated into institutional form will be considered. Contexts include the constitutions of culturally diverse societies, indigenous self-government, separate schools, and the international protection of human rights.

**LAW 376**  Units: 1.5  Hours: 3-0

**International Environmental Law**

This course will develop a practical and theoretical understanding of the development and current state of international environmental law (IEL). It will treat IEL as a diverse form of regime-based global governance that embodies both regulations and a complex array of institutional arrangements. The course will provide a general background to the field, an understanding of diverse sectoral regimes, and a theoretical approach that can inform and crosscut these regimes.

**LAW 377**  Units: 1.5  Hours: 3-0

**International Commercial Law and Arbitration**

This course introduces students to international commercial law and arbitration, including arbitral agreements, applicable law, the enforcement of arbitral awards and arbitrations involving state parties. Particular attention is paid to the international regulation of corporate conduct and critically examining the role international commercial law and arbitration plays in the process of globalization.

**LAW 378**  Units: 1.5  Hours: 3-0

**Equality, Human Rights, and Social Justice Law**

This course will examine the role of law and of legal conceptions of equality in struggles by equity seeking groups and individuals for social justice in Canada. Topics covered include the relation of social movements to law and social change. Charter equality rights and strategic litigation, the institutional and jurisprudential frameworks of domestic human rights law, and critical theoretical debates pertaining to anti-discrimination law.

**LAW 379**  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 analyze various types of legal writing. The importance of context, organization and audience in legal writing will be stressed. Parts, sections or clauses of written documents will be analyzed, evaluated, criticized, edited and rewritten to improve and develop the students’ analytical and writing skills.

**LAW 389**  Units: 1.0-4.0

**Supervised Research and Writing**

During either of the second or third years of a student’s program, a student may undertake a substantial research and writing project on a legal subject approved by a member of the Faculty of Law who agrees to supervise the project. With the approval of the Dean or the Dean’s nominee (1) a student may be awarded credit for two separate supervised research papers provided that the total credit does not exceed 4 units and each paper is started and completed in separate terms; (2) the course may be extended over two terms; and (3) if the course is to be taken for 1 unit only.

**LING 099**  Units: 0  Hours: 3-0

**English As a Second Language**

A non-credit course in composition skills for students whose native language is not English - see page 30 for regulations governing such students. Students who do not pass this course will be required to repeat the course in the following term.

**Note:** 3 leve units. The course may be repeated for a total of four terms.

**Grading:** Com. N, F

**LING 100A**  Units: 1.5  Hours: 3-0

Formerly: half of Linguistics 100

**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.
Developmental Standard Term Certificate program in Revitalization. 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 Native languages. Theory and application of curriculum development to immersion/language programs; designs, organizational patterns, materials, and media, change strategies, and evaluation. Micro-teaching will provide practice in the teaching methods under study.

Note: Registration in this course is normally limited to students in the Certificate Program in Aboriginal Language Revitalization. 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 Elders 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: INF, COM, N or F

LING 186 Units: 1.5 Language in First Nations Culture
An intensive examination of the ways in which language is embedded in the cultural heritage and social context of a selected community, with a focus on oral history, including legends, song, dance, and cultural practices, methods, and protocols, along with the impacts and implications of social change on language.

Note: This course is normally delivered in community settings to both students in the Certificate Program in Aboriginal Language Revitalization and non-credit participants with a focus on the language and culture of the community.

LING 187 Units: 1.5 Special Topics in Language Revitalization
This course will involve intensive study of some aspect of language preservation and/or revitalization. Content may vary.

Notes: - 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.

- This course is normally offered off-campus.

LING 188 Units: 1.5 or 3.0 Language in First Nations Culture
An examination of the ideal of “good grammar” and its role in society. Topics will include: origins and sources of traditional ideas of “good grammar,” challenges to traditional views, the role of arbiters of grammar, grammar and the changing media, (sub)cultures and grammar, grammar and the marketplace.

LING 189 Units: 1.5 Hours: 3-0 Grammar in Society
An examination of the indigenous languages of British Columbia, focusing on the typical features that set them apart from other languages. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.

LING 190 Units: 1.5 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 191 Units: 1.5 Hours: 3-0 Introduction to the Languages of British Columbia
An examination of the indigenous languages of British Columbia, focusing on the typical features that set them apart from other languages. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.

LING 192 Units: 1.5 Hours: 3-0 Introduction to the Languages of British Columbia
An examination of the indigenous languages of British Columbia, focusing on the typical features that set them apart from other languages. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.

LING 193 Units: 1.5 Hours: 3-0 Introduction to the Languages of British Columbia
An examination of the indigenous languages of British Columbia, focusing on the typical features that set them apart from other languages. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.

LING 194 Units: 1.5 Hours: 3-0 Introduction to the Languages of British Columbia
An examination of the indigenous languages of British Columbia, focusing on the typical features that set them apart from other languages. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.

LING 195 Units: 1.5 Hours: 3-0 Grammar in Society
An examination of the ideal of “good grammar” and its role in society. Topics will include: origins and sources of traditional ideas of “good grammar,” challenges to traditional views, the role of arbiters of grammar, grammar and the changing media, (sub)cultures and grammar, grammar and the marketplace.

LING 196 Units: 1.5 Language in First Nations Culture
An intensive examination of the ways in which language is embedded in the cultural heritage and social context of a selected community, with a focus on oral history, including legends, song, dance, and cultural practices, methods, and protocols, along with the impacts and implications of social change on language.

Note: This course is normally delivered in community settings to both students in the Certificate Program in Aboriginal Language Revitalization and non-credit participants with a focus on the language and culture of the community.

LING 197 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.

Notes: - 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.

- This course is normally offered off-campus.
## 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, JAPA 260.
- Previous knowledge of Japanese not necessary.

## LING 261 Units: 1.5 Hours: 3-0
Also: CHIN 261
Introduction to Chinese Language and Linguistics
A general introduction to the synchronic and diachronic descriptions of Chinese. Subjects covered may include phonology, morphology, syntax, semantics, historical changes, poetics, dialectology, orthography, the sociolinguistic and psycholinguistic aspects of Chinese, the relationship between the Chinese language, thought, and culture, and the history of Chinese linguistics.
Notes: - Credit will be granted for only one of 261, CHIN 261.
- Previous knowledge of Chinese not necessary.

## LING 290 Units: 1.5 Hours: 3-0
Writing Systems of the World
Concerns the four origins of writing and subsequent evolution, the differences among logographic, syllabic and alphabetic systems, and the characteristics of a good writing system. Brief consideration is given to spelling conventions and calligraphy.

## LING 300 Units: 1.5 Hours: 3-0
Formerly: part of 383
Auditory and Perceptual Phonetics
A study of the perception of speech sounds from an auditory, articulatory, and acoustic point of view. This course expands on the phonetic content of LING 200 to cover advanced speech sound recognition and production, and it introduces students to topics from the speech perception and neuropsychology research literature.
Note: Credit will be granted for only one of 300, 383.
Pre- or corequisites: 200.

## LING 326 Units: 1.5 Hours: 3-0
Formerly: part of 226 and 426
Meaning in Language
Word (lexical) and compositional semantics. This course investigates topics in linguistic theories of meaning, including components of meaning, lexical relations (antonymy, hyponymy, synonymy), thematic relations (agent, patient, theme), tense, aspect, and model-theoretic compositional semantics.
Note: Credit will be granted for only one of 326, 226, 426.
Pre- or corequisites: 100A.

## LING 330 Units: 1.5 Hours: 3-0
Formerly: part of 230
Linguistic Typology
A cross-linguistic survey of syntactic and morphological structures and current approaches to language universals and typology.
Note: Credit will be granted for only one of 330, 230.
Pre- or corequisites: 200 and 203.

## LING 341 Units: 1.5 Hours: 3-0
Also: SLAV 341
Seminar in a Slavic Language
This course deals with the history and structure of a Slavic language not offered otherwise in the Department of Germanic and Russian Studies. Depending upon demand, a different language will be treated in each given year. Languages offered at present are: Polish and Ukrainian.
Notes: - Credit will be granted for only one of 341, SLAV 341.
- May be taken more than once for credit (in different languages) for a maximum of 3 units.
Prerequisites: A previous course in Linguistics or permission of the Department.

## LING 359 Units: 1.5 Hours: 3-0
First Nations Language III
Provides instruction in a First Nations language at the third-year level.
Note: May be taken more than once for credit with approval of a faculty advisor. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate in Aboriginal Language Revitalization program. May not be counted towards a General, Major, or Honours program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.
Prerequisites: 259.

## LING 361 Units: 1.5, formerly 3 Hours: 3-0
Anthropological Linguistics
Cultural linguistics, presented in a general, cognitive model that can serve as an ethnographic tool and encompass the great range of linguistic phenomena that anthropologists commonly encounter in fieldwork.

## LING 364 Units: 1.5 Hours: 3-0
Languages in the Pacific Area
A survey of languages spoken on the islands of the Pacific Ocean (Indonesia, Philippines, Melanesia, Micronesia and Polynesia), their genetic relationships and area groupings; specific languages and families are selected for more detailed discussion, illustrating issues of relevance in linguistic theory and analysis, applied linguistics and sociolinguistics.
Note: Credit will be granted for only one of 364, PACI 364.
Prerequisites: None; 100B recommended.

## LING 370A Units: 1.5 Hours: 3-0
Also: PSYC 370A
Formerly: 370
Psycholinguistics
Offered in collaboration with the Department of Psychology. The psychology of language, examining the process of comprehension and production, including language and cognition, conversational discourse, and inference and semantics, among other topics.
Note: Credit will be granted for only one of 370A, 370, PSYC 370, PSYC 370A.

## LING 370B Units: 1.5 Hours: 3-0
Also: PSYC 370B
Formerly: 369
Developmental Psycholinguistics
Offered in collaboration with the Department of Psychology. The biological bases of language; the stage by stage acquisition of the phonology, morphology, syntax, and semantics of the child's first language; the child's developing metalinguistic abilities; and the child's growing awareness of the form and function of speech acts, as well as the discourse rules governing conversations.
Note: Credit will be granted for only one of 370B, 369, PSYC 369, PSYC 370B.

## LING 372 Units: 1.5 Hours: 3-0
Native Languages of British Columbia
Survey of the semantic, phonological, morphological, and syntactic structure of languages belonging to five different language families of British Columbia, and hypotheses of their history.
Prerequisites: 200 and 203; or 251 and 252.

## LING 373 Units: 1.5 Hours: 3-0
Second Language Acquisition
This course examines the process of acquiring a second or additional language. Topics include the nature of learner language, individual differences in language acquisition, the role of input and interaction, similarities and differences in L1 and L2 acquisition, instructed acquisition and the relationship between acquisition research and second language teaching.
Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

## LING 374 Units: 1.5 Hours: 3-0
Approaches and Methods in Language Teaching
An introduction to approaches, methods, and techniques in language teaching. Addresses issues such as curriculum development, course design, and the use of classroom materials for language teaching. Active classroom observation is a required component of this course. This course contains an element of Practicum and is thus subject to the “Guidelines for Ethical Conduct” and “Regulations Concerning Practicum” (page 133).
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 socio-cultural approaches to language teaching and learning, form-focused instruction and literacy, classroom discourse and pragmatics.
Prerequisites: 373, 374.

## LING 376 Units: 1.5 Hours: 2-1
Seminar and Practicum in Applied Linguistics
Contemporary issues in second language teaching and acquisition. Participation in seminars and successful completion of the practicum, including assignments by the sponsor teacher and the supervising instructor, and the student's practicum report, is required. This course is subject to the "Guidelines for Ethical Conduct" and "Regulations Concerning Practicum" (page 133).
Note: Registration is limited to Applied Linguistics students or by permission of the Department. Students with credit in 374 from before 2004-2005 must consult the instructor to arrange for second language classroom observation.
Prerequisites: 373.
Pre- or corequisites: 375.
Grading: INP; letter grade

## LING 377 Units: 1.5 Hours: 3-0
Minority Language Issues
Political, social, economic, and historical issues involved in loss of ancestral languages, for immigrants and for aboriginal societies around the globe. Language revitalization and language planning are addressed through the study of historical and contemporary programs for language revitalization among First Nations of the Americas, the Pacific, Europe and Africa. The influences of contemporary language policy and educational concerns are also examined.
Note: Open to students who have credit in LING 377 taken between 1979-81.

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## 2006-07 UVIC CALENDAR

### COURSE LISTINGS

- **LING 260** Units: 1.5 Hours: 3-0
- **LING 261** Units: 1.5 Hours: 3-0
- **LING 290** Units: 1.5 Hours: 3-0
- **LING 300** Units: 1.5 Hours: 3-0
- **LING 326** Units: 1.5 Hours: 3-0
- **LING 330** Units: 1.5 Hours: 3-0
- **LING 341** Units: 1.5 Hours: 3-0
- **LING 359** Units: 1.5 Hours: 3-0
- **LING 361** Units: 1.5, formerly 3 Hours: 3-0
- **LING 364** Units: 1.5 Hours: 3-0
- **LING 370A** Units: 1.5 Hours: 3-0
- **LING 370B** Units: 1.5 Hours: 3-0
- **LING 372** Units: 1.5 Hours: 3-0
- **LING 373** Units: 1.5 Hours: 3-0
- **LING 374** Units: 1.5 Hours: 3-0
- **LING 375** Units: 1.5 Hours: 3-0
- **LING 376** Units: 1.5 Hours: 2-1
- **LING 377** Units: 1.5 Hours: 3-0
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 system selected to be compared with English will vary from year to year.
Note: May be taken more than once for credit in different target languages.
Prerequisites: A previous course in Linguistics.

LING 380  Units: 1.5  Hours: 2-2
Acoustic Phonetics
A study of the acoustical properties of speech sounds including the basic physical principles involved in the generation and propagation of sound energy and the phenomenon of resonance; students are introduced to experimental instruments and trained in the use of the sound spectrograph for the analysis of speech sounds.
Prerequisites: 200, 250 or equivalent.

LING 381  Units: 1.5  Hours: 3-0
Physiology of Speech Production
The physiology of the human speech production and hearing mechanisms including aspects of the respiratory, laryngeal, pharyngeal, and supralaryngeal articulatory systems, speech-sound processing by the ear, and neurological control systems.
Prerequisites: 200, 250 or equivalent.

LING 382  Units: 1.5  Hours: 3-0
Experimental Phonetics
This course expands on topics covered in Linguistics 380. Emphasis is placed on the design of phonetic and phonological experiments using electronic systems and introducing computer technology for speech analysis.
Prerequisites: 380.

LING 386  Units: 1.5  Hours: 3-0
Intonation, Rhythm, Stress, and Tone
Detailed analysis of the stress and intonation patterns of English and their relationship to grammatical functions; phonetic descriptions of rhythm and voice quality are practised and used to analyze speech in various languages.
Pre- or corequisites: 200 or 250.

LING 388  Units: 1.5  Hours: 3-0
An Introduction to the Grammar of English Usage
A basic functional treatment of the grammar of English, with special emphasis on standard Canadian English usage. The parts of speech and their functional relations will be examined.

LING 389  Units: 1.5  Hours: 3-0
Applied Language Usage: 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: 374.

LING 390  Units: 1.5  Hours: 3-0
The Growth of Modern English
The linguistic history of the English language from its Proto-Indo-European origins to the eighteenth century. Topics will include the causes of language change, the development of the phonological, morphosyntactic and lexical systems of English, and the significance of social and regional dialects.

LING 392  Units: 1.5  Hours: 3-0
Canadian English and Dialectology
An examination of the methods used to research and analyze regional and social dialects, with a focus on research on Canadian English. The distinctive features of Canadian English vocabulary, grammar, and pronunciation will be examined along with an overview of the historical factors that have given rise to those features.
Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 395  Units: 1.5  Hours: 3-0
Sociolinguistics
A study of language in its social context, covering aspects of linguistic variation within and across speech communities. Topics include language and class, sex, age, situation and ethnicity; languages in contact (pidgin and creole languages), codeswitching and standardization; rules of conversation and respectful address; societal features of language change.
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 401  Units: 1.5  Hours: 3-0
Formerly: 201
Salish
An introduction to the linguistic structures of the Salish family of languages, one of the major language families in British Columbia. The course may focus on a particular Salish language, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Salish language communities will be discussed.

Notes: Credit will be granted for only one of 401, 201.
May be taken more than once for credit to a maximum of 3 units, with permission of the instructor.
Prerequisites: Third-year standing.

LING 403  Units: 1.5  Hours: 3-0
Athabascan
An introduction to the linguistic structures of the Athabascan family of languages, one of the major language families of British Columbia. The course will offer a survey of Athabascan language structures, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Athabascan language communities will be discussed.
Note: May be taken more than once for credit to a maximum of 3 units, with permission of the instructor.
Prerequisites: Third-year standing.

LING 405  Units: 1.5  Hours: 3-0
Wakashan
An introduction to the linguistic structures of the Wakashan family of languages, one of the major language families of British Columbia. The course may focus on a particular Wakashan language, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Wakashan language communities will be discussed.
Note: May be taken more than once for credit to a maximum of 3 units, with permission of the instructor.
Prerequisites: Third-year standing.

LING 409  Units: 1.5  Hours: 3-0
Formerly: 407, 408
Morphology
Issues and current theoretical models used to account for the generation of words. Topics will include identification and classification of morphemes, inflectional and derivational morphology, the nature of lexical representations, and other components of grammar. Topics focus on morphophonology or morphosyntax depending on the instructor.
Notes: - Credit can be granted for 409, and one of 407, 408.
- Students with credit in one of 407 or 408 require permission of the instructor.
- May be taken more than once for credit with permission of the instructor.
Prerequisites: 200 and 253, or 251 and 252.

LING 410A  Units: 1.5  Hours: 3-0
Syntax
This course will emphasize syntactic analysis and argumentation in the description of the major structures of English using an extended phrase structure model.
Prerequisites: 200 and 253, or Diploma status; or 230, 251 and 252.

LING 410B  Units: 1.5  Hours: 3-0
Theories of Grammar
Current issues in syntactic theory are examined from the perspective of contemporary syntactic models such as Government-Binding Theory, Head-Driven Phrase Structure Grammar, Categorial Grammar or Lexical-Functional Grammar.
Prerequisites: 410A.

LING 420  Units: 1.5  Hours: 3-0
Historical and Comparative Linguistics
An introduction to historical and comparative linguistics with a focus on the principles of language change through time, and the methods used to study it. Examples are taken from both Indo-European and non-Indo-European languages.
LING 438  Units: 1.5  Hours: 3-0
Second Language Phonology
Examines the phonetic and phonological systems of interlanguage including the acquisition of syllables, syllabic units such as onset, nucleus and coda, and other linguistic features. Explores contemporary theories of L2 phonological acquisition that set out to explore L2 pronunciation in terms of L1 transfer, UG and markedness.
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, 251 or Diploma status.

LING 441  Units: 1.5  Hours: 3-0
Advanced Phonological Analysis
Surveys current issues in phonological theory with particular emphasis on non-linear phonology and lexical phonology. Topics selected from autosegmental phonology, segment structure and feature specification, syllable structure, stress assignment, cyclicity and domains of rule application, and the role of rules in a grammar.
Prerequisites: 440.

LING 449  Units: 1.5  Hours: 3-0
Directed Readings in Linguistics
Note: Open only to Major and Honours students with a minimum GPA of 6.50 in Linguistics courses, or by permission of the Department.

LING 450  Units: 1.5  Hours: 3-0
Seminar in Languages
Grammatical investigation of a language other than English. The language focus and approach will vary depending on the instructor, and may involve contrastive analysis with another language.
Note: May be taken more than once for credit in different topics to a maximum of 3 units, with permission of the Department.
Prerequisites: 200 and 203; or 230, 251 and 252.

LING 459  Units: 1.5  Hours: 3-0
First Nations Language IV
Provides instruction in a First Nations language at the fourth-year level.
Note: May be taken more than once for credit with approval of a faculty adviser. Except by permission of the Department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate in Aboriginal Language Revitalization program. May not be counted towards a General, Major, or Honours program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.
Prerequisites: 359.

LING 461  Units: 1.5  Hours: 2-2
Linguistic Field Methods
An introduction to the methods of data analysis, organization, and collection required in the field situation. Language chosen for illustration may vary from year to year. The Department has a particular interest in North American Native Languages.
Pre- or corequisites: 440 and 410A.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATH 160A</strong></td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: half of 160</td>
<td>Mathematics For the Elementary Teacher: I Problem solving; sets and functions; numeration; whole number operations and algorithms; number theory; the integer, rational and real number systems. Notes: Credit will be granted for only one of 160A, 160. Credit will not be granted to students who have 3 or more units of credit in mathematics courses numbered 100 or higher, excluding 120. Intended for prospective Elementary Education students. Prerequisites: Principles of Mathematics 11 or equivalent, or permission of the Department.</td>
</tr>
<tr>
<td><strong>MATH 160B</strong></td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: half of 160</td>
<td>Mathematics For the Elementary Teacher: II Probability; statistics; geometry; measurement; congruence and similarity; transformations. Notes: Credit will be granted for only one of 160B, 160. Credit will not be granted to students who have 3 or more units of credit in mathematics courses numbered 100 or higher, excluding 120. Intended for prospective Elementary Education students. Normally 160A is taken before 160B. Prerequisites: Principles of Mathematics 11 or equivalent, or permission of the Department.</td>
</tr>
<tr>
<td><strong>MATH 200</strong></td>
<td>1.5</td>
<td>3-0</td>
<td>Hours:</td>
<td>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 200, 202, and 201 are taken, credit will be given for only 200 and 201. Prerequisites: 101.</td>
</tr>
<tr>
<td><strong>MATH 201</strong></td>
<td>1.5</td>
<td>3-0</td>
<td>Hours:</td>
<td>Introduction to Differential Equations First order equations; solutions for second order equations and 2-dimensional systems of linear equations with constant coefficients; elementary qualitative methods for nonlinear systems; numerical Euler and Runge-Kutta methods; computer methods; Laplace transform; applications to the physical, biological and social sciences. Note: Credit will be given for only one of 201, 202. If all of 202, 200, and 201 are taken, credit will be given for only 200 and 201. Prerequisites: 101.</td>
</tr>
<tr>
<td><strong>MATH 202</strong></td>
<td>1.5</td>
<td>3-0</td>
<td>Hours:</td>
<td>Intermediate Calculus For Computer Science Vectors, curves, and surfaces in space; partial differentiation; directional derivatives and the gradient vector; Taylor's Theorem for a function of two variables; introduction to differential equations. Note: Credit will not be given for both 202 and any of 200, 201, or 205. If all of 202, 200, and 201 are taken, credit will be given for only 200 and 201. Prerequisites: 101.</td>
</tr>
<tr>
<td><strong>MATH 205</strong></td>
<td>1.5</td>
<td>3-0</td>
<td>Hours:</td>
<td>Multivariable Calculus Vectors in two and three dimensions, vector-valued functions, functions of several variables, multivariate differential calculus, multiple integrals.</td>
</tr>
<tr>
<td><strong>MATH 222</strong></td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: 324</td>
<td>Discrete and Combinatorial Mathematics Combinatorial arguments and proofs; deriving recurrence relations; generating functions; inclusion-exclusion; functions and relations; countable and uncountable sets. Note: Not open for credit to students registered in or with credit in any of 342, 422, or 423. Prerequisites: 122 or permission of the Department.</td>
</tr>
<tr>
<td><strong>MATH 233A</strong></td>
<td>1.5</td>
<td>3-0</td>
<td></td>
<td>Matrix Algebra: I Matrices: simultaneous equations; determinants; vectors in 2-, 3- and n-tuple space; inner product; linear independence and rank; change of coordinates; rotation of axes in 2- and 3-dimensional Euclidean space; orthogonal matrices; eigenvalues and eigenvectors. Note: Credit will be granted for only one of 233A, 110, 133. Prerequisites: 3 units of 100-level mathematics courses; or a minimum grade of A in Mathematics 12 or equivalent.</td>
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<tr>
<td><strong>MATH 233C</strong></td>
<td>1.5</td>
<td>3-0</td>
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<td>Introduction to Algebra The integers, induction, factorization, congruences. Definition and examples of rings, fields and integral domains. Rational numbers, real numbers, complex numbers. Polynomials and their factorization. Permutations; definition and examples of groups. Additional topics chosen from Boolean algebras and lattices; transfinite arithmetic. Note: Intended primarily for Mathematics students. Prerequisites: 122.</td>
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<tr>
<td><strong>MATH 242</strong></td>
<td>1.5</td>
<td>Hours:</td>
<td></td>
<td>Mathematics of Finance Simple interest; compound interest; simple discount; simple annuities; general and other annuities; amortization methods; Canadian mortgages; sinking funds; bond prices and bond yields; net present value; capitalized cost; contingent payments; introduction to the basic concept of life annuities and life insurance. Note: Credit will be granted for only one of 242, 152. Prerequisites: 102 and 151, or 101 and some knowledge of probability.</td>
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<tr>
<td><strong>MATH 299</strong></td>
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<td>Hours:</td>
<td>Formerly: 199</td>
<td>Problem-Solving Seminar A seminar on solving non-routine challenging mathematical problems that require insight, creativity and ingenuity. Strongly recommended to students who wish to participate in Putnam Mathematics Competitions. Note: Credit will be granted for only one of 299, 199. Prerequisites: Permission of the instructor and a grade of A- or higher in two of 101, 102, 222, 233A, 233C. Pre- or corequisites: A MATH course numbered 200 or higher.</td>
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<tr>
<td><strong>MATH 322</strong></td>
<td>1.5</td>
<td>3-0</td>
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<td>Intermediate Combinatorics A study of combinatorial objects, with topics chosen from: representation 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.</td>
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<tr>
<td><strong>MATH 323</strong></td>
<td>1.5</td>
<td>3-0</td>
<td></td>
<td>Applied Differential Equations Power series solutions near regular and singular points; Frobenius method; Euler, Bessel and Legendre equations; numerical methods for equations and systems; qualitative methods for linear and nonlinear systems; applications to the physical, biological and social sciences. Note: Credit will be given for only one of 323, 323A, 325. Prerequisites: 200 or 205, 201.</td>
</tr>
<tr>
<td><strong>MATH 325</strong></td>
<td>1.5</td>
<td>3-0</td>
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<td>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-Bendixson theorem; stable, unstable, and centre manifolds for equilibria; Hopf bifurcation; van der Pol and Duffing equations; power series solutions near regular and singular points; Frobenius method; Euler, Bessel, and Legendre equations. Note: Credit will be given for only one of 325, 323, 323A. Prerequisites: 200, 201, 233A or equivalent. Corequisites: 330A or 334.</td>
</tr>
<tr>
<td><strong>MATH 326</strong></td>
<td>1.5</td>
<td>3-0</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td><strong>MATH 330A</strong></td>
<td>1.5</td>
<td>3-0</td>
<td></td>
<td>Advanced Calculus Sequences and series of real numbers; sequences and series of real valued functions; uniform convergence; Fourier series; differentiation and integration of series of real valued functions; power series; Taylor series; Taylor's formula with remainder; multivariate calculus; implicit function, Stokes and divergence theorems. Note: Not open for credit to students registered in or with credit in 334. Prerequisites: 200 or 205.</td>
</tr>
<tr>
<td><strong>MATH 330B</strong></td>
<td>1.5</td>
<td>3-0</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td><strong>MATH 333A</strong></td>
<td>1.5</td>
<td>3-0</td>
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<td>Abstract Algebra: I Groups, rings and fields, including quotient structures. Prerequisites: 323C or permission of the Department.</td>
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<tr>
<td><strong>MATH 333C</strong></td>
<td>1.5</td>
<td>3-0</td>
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<td>Linear Algebra Vector spaces and linear transformations; the canonical forms; inner product spaces and the spectral theorem. Prerequisites: 233C, 133 or 233A.</td>
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<tr>
<td>Course Code</td>
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<td>MATH 334</td>
<td>1.5</td>
<td>3-0</td>
<td>Foundations of Analysis</td>
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<td>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.</td>
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<td>Note: Credit will be granted for only one of 334, 430. Primarily for Honours students.</td>
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<td>Prerequisites: 200 and 201 and the permission of the Department.</td>
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<tr>
<td>MATH 352</td>
<td>1.5</td>
<td>3-0</td>
<td>Introduction to Probability</td>
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<td>Probability spaces, combinatorial analysis, conditional probability, independence, inclusion-exclusion, random variables, expectation, discrete and continuous distributions, limit theorems.</td>
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<td>Prerequisites: 200 or 205.</td>
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<tr>
<td>MATH 362</td>
<td>1.5</td>
<td>3-0</td>
<td>Elementary Number Theory</td>
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<td>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, infinity descent, rational and irrational numbers, distribution of primes.</td>
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<td>Note: For Mathematics Majors and Honours students, and for students planning to teach mathematics in secondary schools.</td>
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<td></td>
<td>Prerequisites: MATH 122 and 3 units of 200-level courses offered by the Department of Mathematics and Statistics.</td>
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<tr>
<td>MATH 368A</td>
<td>1.5</td>
<td>3-0</td>
<td>Euclidean Geometry</td>
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<td>The real affine and projective planes; Euclidean geometry; modern elementary geometry; elementary transformations; Euclidean constructions; the fundamental theorem of polygonal dissection; projectivities; proper conics.</td>
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<td>Note: Credit will be granted for only one of 368A, 366.</td>
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<td>Prerequisites: At least 6 units of Mathematics or permission of the Department.</td>
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<tr>
<td>MATH 368B</td>
<td>1.5</td>
<td>3-0</td>
<td>Non-Euclidean Geometry</td>
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<td>The parallel postulate; hyperbolic geometry; elliptic geometry; double elliptic geometry; the Poincaré model.</td>
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<td>Prerequisites: At least 6 units of Mathematics or permission of the Department.</td>
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<tr>
<td>MATH 377</td>
<td>1.5</td>
<td>3-0</td>
<td>Mathematical Modelling</td>
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<td>The formulation, analysis and interpretation of mathematical models in various areas of application. Both continuous and discrete deterministic and stochastic models will be employed. Mathematical techniques used may include: differential and difference equations, matrix analysis, optimization, simple stochastic processes, decision theory, game theory and numerical methods. The phenomena modelled may vary from year to year.</td>
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<td>Prerequisites: 200 or 205, 201, 233A, and one of STAT 250, 254, 255, 260.</td>
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<tr>
<td>MATH 399</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced Problem-Solving Seminar</td>
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<td>A second seminar course on solving non-routine mathematical problems. Strongly recommended to students who wish to participate in Putnam Mathematics Competitions.</td>
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<td>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.</td>
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<td>Pre- or corequisites: One of 333A, 334, 362.</td>
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<tr>
<td>MATH 415</td>
<td>1.5</td>
<td>3-0</td>
<td>History of Mathematics</td>
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<td></td>
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<td></td>
<td>Survey of the development of Mathematics from its earliest beginnings through to the present.</td>
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<td>Pre- or corequisites: 333A or 362 or 368A or permission of the Department.</td>
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<tr>
<td>MATH 422</td>
<td>1.5</td>
<td>3-0</td>
<td>Combinatorial Mathematics</td>
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<td></td>
<td>Prerequisites: 222 and 233C and at least 1.5 units of 300-level mathematics courses, or permission of the Department.</td>
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<tr>
<td>MATH 423</td>
<td>1.5</td>
<td>3-0</td>
<td>Graph Theory</td>
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<td>An introduction to the combinatorial, algorithmic and algebraic aspects of graph theory.</td>
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<td></td>
<td>Prerequisites: 222 and at least 3 units of 300-level mathematics courses, or permission of the Department.</td>
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<tr>
<td>MATH 433C</td>
<td>1.5</td>
<td>3-0</td>
<td>Abstract Algebra: II</td>
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<td>Field theory; composition series of groups; Galois Theory.</td>
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<td>Prerequisites: 333A, and 333C or 333B.</td>
<td></td>
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<tr>
<td>MATH 433D</td>
<td>1.5</td>
<td>3-0</td>
<td>Applied Algebra</td>
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<td>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.</td>
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<td>Prerequisites: 333A.</td>
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<tr>
<td>MATH 434</td>
<td>1.5</td>
<td>3-0</td>
<td>Real Analysis: I</td>
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<td>Theory of differentiation; Reimann-Stieljes integration; Fourier series; functional analysis.</td>
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<td>Note: Credit will be granted for only one of 434, 336.</td>
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<td>Prerequisites: 334.</td>
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<tr>
<td>MATH 435</td>
<td>1.5</td>
<td>3-0</td>
<td>Real Analysis: II</td>
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<td></td>
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<td>Note: Primarily for Honours students.</td>
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<td></td>
<td></td>
<td></td>
<td>Prerequisites: 434 or 336 or permission of the Department.</td>
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<tr>
<td>MATH 438</td>
<td>1.5</td>
<td>3-0</td>
<td>Introduction to Complex Analysis</td>
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<tr>
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<td></td>
<td>Elementary functions of a complex variable, analytic functions, differentiation and integration of functions of a complex variable, power series and residue theory.</td>
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<td>Note: Credit will be granted for only one of 438, 330B, 338.</td>
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<td></td>
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<td></td>
<td>Prerequisites: 334.</td>
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<tr>
<td>MATH 445A</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced Ordinary Differential Equations</td>
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<td>Nonlinear systems; the Poincaré map method; stable, unstable and centre manifold theorems for periodic orbits; asymptotic behaviour of solutions; normal forms; averaging and perturbation methods; chaos; possible topics include advanced complex analysis, functional analysis, introduction to manifolds, introduction to differential geometry, and mathematical logic.</td>
<td></td>
</tr>
</tbody>
</table>

2006-07 UVIC Calendar

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 452 Units: 1.5 Hours: 3-0

Stochastic Processes

Introduction to the branch of probability theory which deals with the mathematical analysis of systems that evolve in time while undergoing chance fluctuations. Main topics include random walks, Markov chains, Poisson processes, birth and death processes, renewal theory. Examples illustrate wide applicability of stochastic processes in many branches of science and technology.

Prerequisites: 352 or STAT 350.

MATH 462 Units: 1.5 Hours: 3-0

Topics in Number Theory

A selection of topics which may include compositions and partitions, geometry of numbers, rational approximation, distribution of primes, order of magnitude of arithmetic functions, proofs of the Prime Number Theorem and of Dirichlet’s Theorem on primes in arithmetic progressions, continued fractions.

Prerequisites: 362.

MATH 465 Units: 1.5 Hours: 3-0

Topics in Topology

Topics chosen from point set topology, introduction to algebraic topology, classification of surfaces, homology theory, and homotopy theory.

Note: May be taken more than once for credit in different topics with permission of the Department. May be offered only in alternate years.

Prerequisites: 330A or 334, and permission of the instructor.

MATH 490 Units: 1.5 or 3

Directed Studies in Mathematics

Note: Students must consult the Department before registering. May be taken more than once for credit in different topics with permission of the Chair of the Department.

MATH 491A Units: 1.5

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 prerequisite specified for the topic to be offered. May be taken more than once in different topics with permission of the Chair of the Department. Topics to be determined.

MATH 491B Units: 1.5

Topics in Pure Mathematics

Through this course the Department offers advanced topics in various areas of pure mathematics. Possible topics include advanced complex analysis, functional analysis, introduction to manifolds, introduction to differential geometry, and mathematical logic.

Note: Topics to be determined. Information on the topics available in any given year will be available from...
the Chair of the Department. Entry to this course will be restricted to third or fourth-year students who meet the prerequisite specified for the topic to be offered. May be taken more than once for credit in different topics with permission of the Chair of the Department.

ME

Music Education
Department of Curriculum and Instruction
Faculty of Education

Instrumental courses are normally subject to enrollment limits because of space and equipment needs. Departmental permission is required for non-EDUCATION students. Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-O, ED-P, EDCI, IA, IET, ME, PE.

ME 101 - Units: 1.5 Hours: 3-0
Introduction to Music Education
Orientation to the profession; introduction to the role of music in education and society. For students who are considering pursuing a B. Mus. in Secondary Music Education or a B. Ed. with a teaching area in secondary music education.

ME 120 - Units: 1.0 Hours: 1-1
Instrumental Jazz: I
A study of techniques for teaching instrumental jazz through performance, beginning improvisation, and listening.

ME 121 - Units: 1.0 Hours: 1-1
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.

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.

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.

ME 206 - Units: 1.5 Hours: 3-0
Music in the Elementary School Introductory
An introduction to the foundations of music education, the elementary music curriculum, and methods currently used in BC elementary schools.

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, transcription and accompaniment patterns. For those with little or no piano background.

ME 216 - Units: 2.0 Hours: 2-1
Institutional/Choral Techniques
Practical ensemble experience for introductory level band and secondary choral with emphasis on beginning band methods and choral literature for the junior/senior secondary school choir.

ME 219 - Units: 1.5 Hours: 1-2
Choral Techniques
Practical choral techniques and literature for elementary schools conducting and methodology. A piano component may be included.

ME 220 - Units: 1.0 Hours: 1-1
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.

ME 301 - Units: 1.5 Hours: 2-1
Music Education Seminar: II
A study of programs and materials for middle schools with an emphasis on instrumental music programs. Some school experience will be required.

ME 303 - Units: 1.5 Hours: 1.5-1.5
Instrumental Techniques and Repertoire

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 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 and improvisation.

Note: For those with some piano background (e.g. 208 or equivalent).

ME 310 - Units: 1.5 Hours: 3-0
Formerly: 207
Learning to Listen to Music
What to listen for and how to listen to music of diverse styles and genres.

Note: Credit will be granted for only one of 310, 207.

ME 316 - Units: 1.0 Hours: 1-1
Institutional 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 401 - Units: 1.5 Hours: 1-2
Music Education Seminar: II
Initiating and maintaining instrumental programs in the schools. School experiences will be required. Secondary level.

Prerequisites: 301.
Grading: INC; letter grade

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 403 - Units: 1.5 Hours: 3-0
Music in the Elementary and Middle School Curriculum
Text, materials, and methods of teaching and learning in music in the elementary and middle school classroom. Sequential planning and evaluation involved in listening, singing, playing instruments, composing, and movement experiences. Designed for students in secondary music 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
Prerequisites: 241 or 141, and MATH 101.

MECH 245 Units: 1.5 Hours: 3-0-1
Engineering Fundamentals: I
Resultant of force systems, equilibrium of particles and rigid bodies; centroids and centre of gravity, friction, virtual work and potential energy based methods; moments of inertia; kinematics of particles and rigid bodies; force and acceleration; work and energy; impulse and momentum for particles.

Notes: Credit will be granted for only one of 245; ENGR 245.

- This course was offered for the last time in September 2001.
Prerequisites: MATH 101.

MECH 285 Units: 1.5 Hours: 3-3*-1
Properties of Engineering Materials
Atomic structure, arrangement and movement; equilibrium microstructural development and heat treatment; physical properties of ferrous and nonferrous metals, ceramics, polymers and composites; corrosion and mechanical testing.

* Indicates a 3 hour laboratory taken by students on alternate weeks. Not open to students with credit in 325.
Prerequisites: CHEM 150, or 101 and 102, or 140 and 102.

MECH 295 Units: 1.5 Hours: 3-0-1
Mechanics of Fluids: 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 convection, conduction and radiation.

Note: Credit will be granted for only one of 295, ENGR 270.
Prerequisites: MATH 101.

MECH 320 Units: 1.5 Hours: 3-3*-1
Mechanics of Solids: II

* Indicates a 3 hour laboratory taken by students on alternate weeks. Not open to students with credit in 280.
Prerequisites: 240, 340.

MECH 330 Units: 1.5 Hours: 3-1-1
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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Hours</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 400</td>
<td>Design Project</td>
<td>1.5</td>
<td>3-0*</td>
<td>Complete design of a product or a system; specification of function, analysis, selection of materials, strength calculations, preparation of working drawings, cost analysis and tenders, preparation of final design report and symposium presentation of final design. Weekly seminar series featuring topics related to design, safety, and management.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Pre-or corequisites: 392.</td>
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<tr>
<td>MECH 405</td>
<td>Introduction to Microprocessors</td>
<td>1.5</td>
<td>3-3*</td>
<td>Computer structure and organization; number systems and codes; assembler language; introduction to microprocessors and their application in instrumentation, manufacturing, control and automation.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: 200 or ENGR 150 or ELEC 200, and MATH 200.</td>
</tr>
<tr>
<td>MECH 410</td>
<td>Computer Aided Design</td>
<td>1.5</td>
<td>3-3*</td>
<td>Basic elements of CAD and relevance to current industrial practice. Input and output devices for geometric modelling systems. Representation of curves and curved surfaces. Graphical programming languages, and development of interactive 3-D computer graphics programs. Numerical optimization and its application to parameter design.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: CSC 160 or 115.</td>
</tr>
<tr>
<td>MECH 411</td>
<td>Planning and Control of Production Systems</td>
<td>1.5</td>
<td>3-0</td>
<td>Introduction to manufacture and production systems; process engineering and process planning; group technology; forecasting; inventory control; aggregate production planning; material requirements planning; production scheduling; applications of linear programming and artificial intelligence in production process organization.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: CSC 349A.</td>
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<tr>
<td>MECH 420</td>
<td>Finite Element Applications</td>
<td>1.5</td>
<td>3-1</td>
<td>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.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: CSC 349A.</td>
</tr>
<tr>
<td>MECH 421</td>
<td>Mechanical Vibrations</td>
<td>1.5</td>
<td>3-0</td>
<td>Multi-mass linear systems; flexibility and stiffness matrices, natural frequencies, mode shapes and orthogonal properties, damped or undamped response to arbitrary force. Linear continuous systems; axial and torsional vibration of rods, shafts and beams with attached mass or stiffness. Non-linear vibrations; basic methods for solution. Random vibrations; elements for designing random response, Fourier transforms and frequency response functions.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: 320, 300 and 395.</td>
</tr>
<tr>
<td>MECH 422</td>
<td>Engineering Ceramics</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: 350 and 360.</td>
</tr>
<tr>
<td>MECH 423</td>
<td>Engineering Optimization and Applications</td>
<td>1.5</td>
<td>3-1</td>
<td>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.</td>
<td></td>
<td>Prerequisites: CSC 349A.</td>
</tr>
<tr>
<td>MECH 425</td>
<td>Advanced Thermodynamics</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: MATH 200. Review of thermodynamic fundamentals. Energy analysis, energy system evolution and the barrier to tritium. Analysis methods for identifying technoeconomic opportunities/runaways. Specific technologies and analyses, for example, of fuel cells and the risks of anthropogenic climate disruption, are discussed. A major class project is assigned.</td>
<td></td>
<td>Prerequisites: 390.</td>
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<tr>
<td>MECH 426</td>
<td>Energy Systems</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: MATH 426. Review of thermodynamic fundamentals. Energy analysis, energy system evolution and the barrier to tritium. Analysis methods for identifying technoeconomic opportunities/runaways. Specific technologies and analyses, for example, of fuel cells and the risks of anthropogenic climate disruption, are discussed. A major class project is assigned.</td>
<td></td>
<td>Prerequisites: 390.</td>
</tr>
<tr>
<td>MECH 430</td>
<td>Robotics</td>
<td>1.5</td>
<td>3-1</td>
<td>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.</td>
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<td>Prerequisites: 330.</td>
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<tr>
<td>MECH 435</td>
<td>Automatic Control Engineering</td>
<td>1.5</td>
<td>3-3*</td>
<td>Formerly: 380. Modeling dynamic systems (linear systems and feedback control). Transfer function based analysis and design (transfer functions, root-locus, stability, transient responses). Frequency characteristics design methods (frequency responses, stability, gain and phase margins, system compensation). State-space design methods (state transition matrix, state feedback and shaping dynamic responses; linear observers).</td>
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<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: 380 and 430.</td>
</tr>
<tr>
<td>MECH 440</td>
<td>Introduction to Water Wave Phenomena</td>
<td>1.5</td>
<td>3-0</td>
<td>Basic equations and approximation; equations of motion and energy balance. Solution for “small” waves, including linear theory. Applications: waves on currents, ship waves, reflection problems. Other topics include: waves in shallow water, infinitely deep water, waves on beaches, hydraulic jumps.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: 320, 300 and 395.</td>
</tr>
<tr>
<td>MECH 443</td>
<td>Advanced Thermodynamics</td>
<td>1.5</td>
<td>3-0</td>
<td>Thermodynamic potentials: Maxwell relations, stability criterion. Barometric formula: applications to clouds, solar chimney, etc. Phase mixtures: chemical potential, osmotic, phase equilibrium, Gibbs phase rule, phase diagrams, fugacity and activity. Reacting mixtures: law of mass action and applications, enthalpy and entropy constants, heat of reaction, combustion, flames, adiabatic flame temperature, reaction rates. Thermodynamics of fuel cells: efficiency, causes of losses, comparison with heat engines.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Prerequisites: 390.</td>
</tr>
<tr>
<td>MECH 445</td>
<td>Special Topics</td>
<td>1.5</td>
<td>3-3*</td>
<td>Overview of fundamental issues associated with measurement systems; response of 0th, 1st and 2nd order systems, components in a measurement system, effects of digitization, sampling, aliasing, noise, quantization error, Frequency Response Function, voltage conversion, loading effects, and filtering. Sensors and transducers for common physical measurements, including Optical techniques and sensors. Laboratories incorporate all elements of the lectures, with students designing and building complete measurement systems with digital acquisition.</td>
<td></td>
<td>Set by Department depending upon topic.</td>
</tr>
<tr>
<td>MECH 450</td>
<td>Instrumentation</td>
<td>1.5</td>
<td>3-3*</td>
<td>Overview of fundamental issues associated with measurement systems; response of 0th, 1st and 2nd order systems, components in a measurement system, effects of digitization, sampling, aliasing, noise, quantization error, Frequency Response Function, voltage conversion, loading effects, and filtering. Sensors and transducers for common physical measurements, including Optical techniques and sensors. Laboratories incorporate all elements of the lectures, with students designing and building complete measurement systems with digital acquisition.</td>
<td></td>
<td>Set by Department depending upon topic.</td>
</tr>
<tr>
<td>MECH 455</td>
<td>Computer Aided Manufacture</td>
<td>1.5</td>
<td>3-3*</td>
<td>Introduction to manufacturing operations, features of numerically controlled machine tools and types of CNC programming. Manual part programming with G-codes; canned cycles, subprograms, custom macros, simulation program. CNC machining of curved surfaces with ball-mill and end-mill cutters; machining of tool and surface geometry. Swept surface machining strategies and case studies; reverse engineering of curved surface models.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Pre-or corequisites: 450A, 450B, 450C, 450D, 450E, 450F.</td>
</tr>
<tr>
<td>MECH 460</td>
<td>Computer Aided Manufacture</td>
<td>1.5</td>
<td>3-3*</td>
<td>Overview of fundamental issues associated with measurement systems; response of 0th, 1st and 2nd order systems, components in a measurement system, effects of digitization, sampling, aliasing, noise, quantization error, Frequency Response Function, voltage conversion, loading effects, and filtering. Sensors and transducers for common physical measurements, including Optical techniques and sensors. Laboratories incorporate all elements of the lectures, with students designing and building complete measurement systems with digital acquisition.</td>
<td></td>
<td>* Indicates a 3 hour laboratory taken by students on alternate weeks. Pre-or corequisites: 450A, 450B, 450C, 450D, 450E, 450F.</td>
</tr>
<tr>
<td>MECH 470</td>
<td>Computer Aided Manufacture</td>
<td>1.5</td>
<td>3-3*</td>
<td>Computer Aided Manufacture</td>
<td>1.5</td>
<td>3-3*</td>
</tr>
<tr>
<td>MECH 480</td>
<td>Computer Aided Manufacture</td>
<td>1.5</td>
<td>3-3*</td>
<td>Computer Aided Manufacture</td>
<td>1.5</td>
<td>3-3*</td>
</tr>
</tbody>
</table>
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: ENGR 150 or ELEC 200, and MATH 200.

MECH 466 Units: 1.5 Hours: 3-1
Microelectromechanical Systems
Introduction to microelectromechanical systems (MEMS), principles of MEMS design and fabrication, MEMS materials, fundamental MEMS microstructures, microtransducers and microactuators, MEMS-based sensors, packaging, assembly and testing. The course introduces basic concepts of microactuation and microtransduction principles, scaling factors and material issues. Microfabrication, mechanical, electrical, fluidic, thermal and optical characteristics of the fundamental microsystems are covered. Various groups of MEMS devices and their fabrication and packaging are discussed, including case studies based on real products.
Prerequisites: 486.

MECH 471 Units: 1.5 Hours: 3-0
Fracture, Fatigue and Mechanical Reliability
Prerequisites: 320.

MECH 473 Units: 1.5 Hours: 3-0
Ferrous and Non-ferrous Metals
The iron-carbon and iron-cementite phase diagrams; nucleation and growth of microstructural constituents; the martensite phase transformation; time-temperature transformation (TTT) curves; properties affected by quenching, tempering and annealing; alloy additions; structural, high strength and specialty steels; welding; tool and stainless steels; cast irons; superalloys; copper, aluminum, magnesium and titanium alloys; metal matrix composites.
Prerequisites: 285.

MECH 475 Units: 1.5 Hours: 3-1
Mechanics of Flight
Prerequisites: 242 and 392.

MECH 485 Units: 1.5 Hours: 3-0
Mechanism and Manipulator Synthesis
Prerequisites: 335.

MECH 486 Units: 1.5 Hours: 3-1
Sensors and Actuators for Mechatronic Systems
Fundamental principles, modeling and design of electromagnetic sensors and actuators based on pneumatics, electromagnetics and multifunctional materials. Examples of commercially available electromagnetic sensors and actuators used in a wide range of mechatronic systems.
Prerequisites: PHYS 216 or ELEC 216.

MECH 492 Units: 1.5 Hours: 3-0
Introduction to Transport Phenomena
Prerequisites: 392 and 395.

MECH 493 Units: 1.5 Hours: 3-0-0
Design of Thermo-Fluid Systems
This is an advanced design course in 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 395.

MECH 495 Units: 1.5 Hours: 3-1
Computational Fluid Dynamics and Heat Transfer
Methods of predictions and historical perspective; governing differential equations of heat transfer and fluid flow; finite difference methods; discretization schemes; application to heat conduction problems; introduction to control volume formulation for fluid flow and to turbulence modelling; accuracy and convergence considerations. Individual term projects using a CFD program.
Prerequisites: 392 and 395.

MECH 499 Units: 1.5 Hours: 0-0-6
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.

MECH 485 Units: 1.5 Hours: 3-0
Mechanism and Manipulator Synthesis
Prerequisites: 335.

MECH 486 Units: 1.5 Hours: 3-1
Sensors and Actuators for Mechatronic Systems
Fundamental principles, modeling and design of electromagnetic sensors and actuators based on pneumatics, electromagnetics and multifunctional materials. Examples of commercially available electromagnetic sensors and actuators used in a wide range of mechatronic systems.
Prerequisites: PHYS 216 or ELEC 216.

MECH 492 Units: 1.5 Hours: 3-0
Introduction to Transport Phenomena
Prerequisites: 392 and 395.

MECH 493 Units: 1.5 Hours: 3-0-0
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Prerequisites: 392 and 395.

MECH 499 Units: 1.5 Hours: 0-0-6
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.
Note: May be taken more than once for credit in different topics to a maximum of 6 units. 301 and 302 suggested.

Prerequisites: Second-year standing or permission of the Director of Medieval Studies.

MEDI 441 Units: 1.5 Hours: 3-0
Medieval Arthurian Romance (in English)
Origins and evolution of Medieval Arthurian romance through an examination of representative texts. History and art will be used to give a context to the literary works. Students enrolled in MEDI 441 must submit all written assignments in English; students enrolled in FREN 441 must submit all written assignments in French.

Note: Credit will be granted for only one of 441, FREN 441.

MEDI 451 Units: 1.5 Hours: 3-0
Formerly: part of 450
The Medieval 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 manuscripts codices), and diplomatics (the study of medieval documents), and questions relating to the transmission of texts through manuscripts. Other topics include: the processes of manuscript production, monastic scriptoria, medieval chanceries, the medieval book trade, literacy, and medieval libraries.

Notes: - Credit will be granted for only one of 451, 450.
- May be accepted in the Department of History as a European History course, subject to the limitations set forth in the History Department degree regulations and when taught by a member of that Department.

Prerequisites: Third-year standing or permission of the instructor.

MEDI 452 Units: 1.5 Hours: 3-0
Special Topics in Medieval Manuscript Studies
A variable content course in which special topics relating to medieval manuscripts are pursued.

Note: May be taken more than once for credit in different topics to a maximum of 6 units with permission of the Director of Medieval Studies.

Prerequisites: Third-year standing or permission of the instructor.

MEDI 490 Units: 1.5 or 3 Directed Studies
Note: Available to Medieval Studies majors in their final year. May be taken more than once for credit to a maximum of 3 units.

Prerequisites: Permission of the Director of Medieval Studies.

MEST 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 Paternal," "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 200B Units: 1.5 Hours: 2-2
Formerly: part of 200
Introductory Microbiology II
A broad introduction to the field of microbiology. Microbial genetics and genomics; genetic engineering, biotechnology, and industrial microbiology; environmental and applied microbiology; immunology; infectious diseases.

Note: Credit will be granted for only one of 200B, 200.

Prerequisites: 200A.

MICR 302 Units: 1.5 Hours: 3-0
Molecular Microbiology
Genetic, genomic, biochemical and molecular approaches to studying the structure and function of microbial cells. Use of microbial systems as laboratory tools, and as model organisms for investigating biological processes. Emphasis on the application of experimental techniques to scientific problem solving.

Prerequisites: 200A and 200B, or 200; BIOC 200, or permission of the Department.

MICR 402 Units: 1.5 Hours: 3-0
Virology
An advanced consideration of the molecular aspects of viruses. Emphasis will be placed on the animal viruses with respect to: infection process; replication cycle; interactions with the host cell; mechanisms of pathogenicity; vaccines. The course consists of lectures with additional literature reading and brief seminars by students.

Prerequisites: 200A and 200B, or 200; BIOC 300A and 300B, or 300; or permission of the Department.

MICR 405 Units: 1.5 Hours: 3-0
Molecular Biotechnology
Advanced topics in microbiology examining developments and applications of biotechnology. Topics will vary from year to year but will include some of the following: recombinant DNA technologies, bioinformatics, fermentation processes, plant-microbe interactions, plant biotechnology, transgenics, proteomics, aquaculture and related topics in ocean microbiology. Seminars will be presented by visiting experts and several faculty members.

Note: Credit will be granted for only one of 405, BIOC 405.

Prerequisites: 200A and 200B, or 200; BIOC 300A and 300B, or 300.

MICR 408 Units: 1.5 Hours: 3-0
Formerly: 301
Microbial Pathogenesis
Bacterial pathogens; emphasis on molecular mechanisms of pathogenesis including antigenic variation, host cell parasitism, evasion of host immune defences, and mimicry of eukaryotic structures.

Note: Credit will be granted for only one of 408, 301.

Prerequisites: 302 or BIOL 361; 303 or BIOL 360; BIOC 300A and 300B, or BIOC 300; or permission of the Department.

MICR 470 Units: 1.5 Directed Studies in Microbiology
Directed studies may not be taken more than once and are normally only available to students with a
minimum cumulative GPA of 5.00 and 4th year standing in the Bioc/Micr program.

MICR 499 Units: 3.0
Undergraduate Thesis
Research under the direction of a faculty member. Open to Honours students only.
Note: Credit will be granted for only one of 499, BIOC 499.

MRNE 400 Units: 1.5 or 3
Directed Studies
A course of directed studies under the supervision of a member of faculty. The study will involve a research project approved by the supervisor in the field of interest of the student, and will be designed to take maximum advantage of the laboratory and/or field opportunities offered by the Bamfield Marine Station.
Note: May be taken more than once for credit with permission of the Department.

MRNE 401 Units: 3.0
Special Topics in Marine Biology
This course will be offered, as opportunities arise, by distinguished scientists who are working at the Bamfield Marine Station. It is expected that the course will generally be of a specialized nature and be at a level appropriate to graduate or senior undergraduate students.
Please visit www.bms.bc.ca for a current list of Special Topics courses offered in Summer 2005.
Note: May be taken more than once for credit with permission of the Department.

MRNE 402 Units: 1.5
Special Topics in Marine Biology
This course will be offered, as opportunities arise, by distinguished scientists who are working at the Bamfield Marine Station and are prepared to offer a course extending over a three week period. This course will be of a specialized nature.
Please visit www.bms.bc.ca for a current list of Special Topics courses offered in Summer 2005.
Note: May be taken more than once for credit with permission of the Department.

MRNE 410 Units: 3.0
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
Classification, physiology, ecology, behaviour and zoogeography of fishes with particular emphasis on those in the marine environment of the British Columbia coast. This course will involve some field projects.
Note: Credit will be granted for only one of 412, BIOC 431, 431A.

MRNE 415 Units: 1.5
Structure and Function in Animals
Structure of marine animals, and their adaptations to the marine environment. Neurobiology, developmental biology, functional morphology and other topics.
Prerequisites: Completion of core.

MRNE 420 Units: 3.0
Marine Phycology
A survey of the marine algae, with emphasis on the benthic forms in the vicinity of the Bamfield Marine Station. The course includes lectures, laboratory periods, field collection, identification, and observation. Emphasis is placed on the study of living specimens in the laboratory and in the field.

MRNE 425 Units: 1.5
Ecological Adaptations of Seaweeds
Morphological, physiological, genetic and reproductive adaptations of seaweeds to their natural and man-altered environments.
Prerequisites: Completion of core.

MRNE 430 Units: 3.0
Marine Ecology
An analytical approach to biotic associations in the marine environment. Opportunities will be provided for study of the intertidal realm in exposed and protected areas and of beaches and estuaries in the vicinity of the Bamfield Marine Station; plankton studies and investigations of the subtidal and benthic environments by diving and dredging are envisaged.
Note: Credit will be granted for only one of 430, BIOC 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 437 Units: 1.5
Marine Population Ecology and Dynamics
An analytical approach to the study of marine ecology and marine populations. Intertidal and subtidal communities will be examined, with emphasis on the biota of the Barkley Sound region.
Prerequisites: Completion of core.

MRNE 440 Units: 3.0
Biology of Marine Birds
A study of the interrelationship of birds and the marine environment; the systematics and ecological relationships, behaviour, life histories, movement and conservation of marine birds; census techniques and methods of studying marine birds in the field will be treated utilizing seabirds and marine-associated birds in the Barkley Sound region. Seabird identification, classification, morphology, plumages and molt will be examined in the laboratory.
Prerequisites: A course in Vertebrate Zoology or permission of the instructor.

MRNE 445 Units: 3.0
Biology of Marine Mammals
A survey course covering systematics and distribution of marine mammals, their sensory capabilities and physiology, with special emphasis on the Cetacea; the course includes lectures, laboratory periods and numerous field trips in the Barkley Sound region. The course will involve an independent field study.
Prerequisites: A course in Vertebrate Zoology.

MRNE 450 Units: 1.5
Principles of Aquaculture
An interdisciplinary introduction to the principles 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.
Note: Credit will be granted for only one of 450, BIOC 407.

MRNE 454 Units: 1.5
Special Topics in Aquaculture
An examination of the culture techniques for selected groups of aquatic plants, animals or micro-organisms. Participants will be expected to complete a project which examines some aspect of applied science relevant to commercial culture.
Note: Credit will be granted for only one of 454, BIOC 407.

MRNE 480 Units: 1.5
Seminars and Papers in Marine Science
A weekly seminar covering current topics of interest in the marine sciences. Seminars will be presented by BMS researchers, graduate students, visiting scientists and students.
Prerequisites: Completion of core.

MUS 101A Units: 1.5
Language of Music
The rudiments of music, musical notation and an introduction to strict counterpoint.
Prerequisites: Evidence of musicianship acceptable to the School.

MUS 101B Units: 1.5
Language of Music
A continuation of 101A, introducing harmonic concepts and practices.
Prerequisites: 101A or permission of the School.

MUS 105 Units: 2.0
Introduction to Composition
This course is designed to enhance one’s understanding of and development in compositional systems, processes and techniques through written exercises and assignments related to 20th century musical idioms.
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 rhythm notation, basic harmonic language, and a study of the elementary principles of melodic writing and harmony.
Note: Credit will not be granted for 111 and 100, 100A, 101A, 101B. Not for credit in the BMus program.

MUS 115 Units: 3.0
Listening to Music
A course for the non-professional, designed to enhance understanding and appreciation of Western music. Assignments include listening to recordings and attendance at selected University concerts.
Note: Credit will not be granted for 115 and 110, 110A, 110B, 120A, 120B, 220A, 220B. Not open to BMus students.

MUS 120A  Units: 1.5  Hours: 3-1
History of Music: I
An introductory survey of music and musical values in society through humanistic, cultural, historical and musical-analytical perspectives. These issues will be explored in the context of music from antiquity to circa 1580.
Note: Credit will be granted for only one of 120A, 110 or 110A, if 110 or 110A taken prior to the 2004 Winter Session.

MUS 120B  Units: 1.5  Hours: 3-1
History of Music: II
The development of Western art music from circa 1580 to circa 1770.
Note: Credit will be granted for only one of 120B, 312, 110, 110A if 110 or 110A taken prior to the 2004 Winter Session.

MUS 140  Units: 2.0  Hours: 0-1
Individual Tuition
Lessons in instrument or voice.
Prerequisites: Evidence of marked musical ability demonstrated by audition.

MUS 141  Units: 1.0  Hours: 0-5
Individual Tuition in a Secondary Instrument or Voice
Lessons in a secondary instrument or voice for exceptional students.

MUS 142  Units: 1.5  Hours: 2-0
Lyric Diction
A study of the basic phonetics and accepted principles of lyric diction of the most commonly used languages in concert and operatic repertoire: Italian, French, German, English. Emphasis on performance.

MUS 170  Units: 1.0  Hours: 0-3
Basic Musicianship: I
Beginning sight-singing, dictation and corresponding keyboard skills.
Note: All components must be completed in order to pass the course.
Corequisites: 101A and 101B.

MUS 180  Units: 1.0  Hours: 0-4
Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

MUS 181  Units: 1.0  Hours: 0-3
Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble, 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.

MUS 201A  Units: 1.5  Hours: 3-0
Language of Music
The structural principles, harmonic and contrapuntal practices of tonal music of the late 18th century explored through analysis and composition.
Prerequisites: 101B or permission of the School.

MUS 201B  Units: 1.5  Hours: 3-0
Language of Music
A continuation of 201A. The structural principles, harmonic and contrapuntal practices of tonal music of the 19th century explored through analysis and composition.
Prerequisites: 201A or permission of the School.

MUS 204  Units: 2.0  Hours: 1-1
Music Composition For Non-Majors: I
Composition class for non-Majors. 
Note: Attendance at the Master Class Seminar required.
Prerequisites: 105 or permission of the School.

MUS 205  Units: 3.0  Hours: 2-1
Music Composition: I
Individual and class lessons with members of the Music Composition faculty. Compositions for solo and small ensembles. Attendance required at Composition Master Class Seminar.
Note: For Music Composition Majors.
Prerequisites: Admittance to Music Composition Major.

MUS 207  Units: 1.5  Hours: 3-0
Music, Science and Computers
An investigation into the historical relationships among music, science and technology, leading to current possibilities in computers and music. 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, and may include music for the cinema, folk music, rock music, the blues, or a specific performer or group.
Note: May be taken more than once for credit to a maximum of 3 units. Not for credit in the BMus program.

MUS 209  Units: 1.5  Hours: 3-0
Topics in Applied Music I
Topics will vary and may include recording and production techniques, the art of performing, commercial music and other related subjects.
Note: May be taken more than once for credit. Not for credit in the BMus program.

MUS 217  Units: 1.5  Hours: 3-0
Understanding Music in Concert
Intended for the general listener, this course is designed to enhance the experience of live concert music. Preparation for attendance at selected School of Music concerts will include live presentation of specific works to be performed as well as information regarding historical context and ideas about style and interpretation.
Note: May be taken more than once for credit. Not for credit in the BMus program.

MUS 220A  Units: 1.5  Hours: 3-1
History of Music: III
The development of Western music from circa 1770 to circa 1880.
Note: Credit will be granted for only one of 220A, 313A, 313B, 110, 110B if 110 or 110A taken prior to the 2004 Winter Session.

MUS 220B  Units: 1.5  Hours: 3-1
History of Music: IV
The development of Western music from circa 1880 to present.
Note: Credit will be granted for only one of 220B, 313A, 313B, 110, 110B if 110 or 110A taken prior to the 2004 Winter Session.

MUS 236  Units: 1.5  Hours: 1-1
Keyboard
Group instruction in piano. Students who already possess adequate keyboard skills are not permitted to register for this course.
Note: One or two terms: 2-2 or 1-1.

MUS 240  Units: 2.0  Hours: 0-1
Individual Tuition
Lessons in instrument or voice.

MUS 245  Units: 4.0  Hours: 1-1
Seminar in Performance
Individual tuition and weekly class including discussion of repertoire, pedagogy, and techniques of ensemble performance.
Note: For Performance Majors only.
Prerequisites: Recommendation of the School.

MUS 270  Units: 1.0  Hours: 0-3
Basic Musicianship: II
A continuation of 170.
Note: All components must be completed in order to pass the course.
Corequisites: 201A and 201B.

MUS 280  Units: 1.0  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: 2-4
Introduction to Computer Music
Introduction to electroacoustic and computer music. Practical experience in a computer music studio, with synthesizers, samplers, MIDI, digital audio, and other computer music techniques.
Prerequisites: 306 and permission of the School.

MUS 308  Units: 1.5  Hours: 3-0
Popular Music and Society II
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 209. Topics may include song writing, film scoring, making and selling your own music and other related subjects.
Note: May be taken more than once for credit. Some topics may be eligible for credit in the BMus program. Students should consult the School.

MUS 310  Units: 1.5  Hours: 3-0
Topics in Music and the Cinema
Note: Students should consult the School for the specific topic to be considered. May be taken more than once for credit to a maximum of 3 units.
Prerequisites: 120A or permission of the School.

MUS 312  Units: 1.5 or 3  Hours: 3-0
A Composer’s Style and Music
A study of works of a major composer in the period from the 18th to 20th centuries. Emphasis will be placed on analysis, style and performance practice.
Note: May be taken more than once for credit.
Prerequisites: 101B and 120A or permission of the School.

MUS 322  Units: 1.5 or 3  Hours: 3-0
Forms and Genres in Music
The study of a single musical form or genre; for example, opera, symphony, sonata.
Note: May be taken more than once for credit.
Prerequisites: 101B and 120A or permission of the School.

MUS 325  Units: 1.5  Hours: 3-0
The History of Jazz
A survey of the development and growth of jazz with emphasis on the major stylistic periods, the principal soloists and composers, and the great recorded performances.
Note: Credit will be granted for only one of 325, 325A.

MUS 326  Units: 1.5  Hours: 3-0
Topics in the History of Jazz
Note: Students should consult the School for the topic to be considered. May be taken more than once for credit. May not be available to students with credit in 323, History of Jazz, or 325.

MUS 327  Units: 1.5  Hours: 3-0
Music Criticism and Aesthetics
Study of selected topics dealing with the aesthetics and the criticism of music.
Note: May be taken more than once for credit in different topics with permission of the School.
Prerequisites: 120A and 201B or permission of the School.

MUS 328  Units: 1.5  Hours: 3-0
Keyboard Literature: 1500-1820
A survey of the basic literature of the keyboard from 1500 to 1820, with special attention to its place in Western music and culture.
Prerequisites: 101B and 120A or permission of the School.

MUS 328A  Units: 1.5  Hours: 3-0
Keyboard Literature: 1820 to the Present
A survey of the basic literature of the keyboard from 1820 to the present, with special attention to its place in Western music and culture.
Prerequisites: 101B and 120A or permission of the School.

MUS 329  Units: 1.5  Hours: 3-0
Women and Music
Study of the role of women in the field of music.
Prerequisites: 101B and 120A or permission of the School.

MUS 330  Units: 1.5  Hours: 1-1
Strings
Group instruction in playing orchestral string instruments.

MUS 331  Units: 1.5  Hours: 2-2
Brasses
Group instruction in playing orchestral brass instruments.

MUS 332  Units: 1.5  Hours: 2-2
Woodwinds
Group instruction in playing orchestral woodwind instruments.

MUS 333  Units: 1.5  Hours: 2-2
Percussion
Group instruction in playing orchestral percussion instruments.

MUS 334  Units: 1.5  Hours: 2-2
Voice
Group instruction in vocal production.

MUS 335  Units: 1.5  Hours: 2-0
Singing for the Stage
Technical vocal instruction with application to theatre solos and ensembles. Course will include preparation for auditions using fully-staged material. Although this is an introductory course, it is not a beginner's course. A background in theatre is recommended.

MUS 336  Units: 1.5  Hours: 1-2
Strings: Techniques and Mentoring
String techniques for string students, including an elementary strings mentoring component.
Note: May be taken more than once for credit to a maximum of 3 units.

MUS 340  Units: 2.0  Hours: 0-1
Individual Tuition
Lessons in instrument or voice.
Prerequisites: 240.

MUS 345  Units: 6.0  Hours: 2-1
Seminar in Performance
Individual tuition, integrated performance seminar, and weekly master class including discussion of repertoire, pedagogy, and techniques of performance.
Prerequisites: Recommendation of the School.

MUS 347A  Units: 1.5  Hours: 0-3
Formerly: MUS 347
Introduction to Jazz Improvisation
Performance oriented, this course introduces the student to improvisation in the jazz idiom.
Note: Credit will be granted for only one of 347A, 347. Prerequisites: MUS 101B.

MUS 347B  Units: 1.5  Hours: 0-3
Formerly: MUS 347
Introduction to Improvisation
An introduction to improvisation in music of the 20th and 21st centuries (non-jazz idioms).
Performance required.
Note: Credit will be granted for only one of 347B, 347. Prerequisites: MUS 101B.

MUS 350  Units: 1.5  Hours: 3-0
Orchestration
Study of instrumentation and orchestration.
Prerequisites: 120A and 201B or permission of the School.

MUS 351  Units: 1.5  Hours: 2-1
Jazz Arranging
The study of basic techniques applicable to arranging/orchestrating for Jazz ensembles.
Prerequisites: 201B and permission of the School.

MUS 356A  Units: 1.5  Hours: 2-1
Basic Conducting
Fundamental conducting techniques as applied to instrumental and vocal music.
COURSE LISTINGS

Prerequisites: 120A and 201B or permission of the School.

MUS 356B Units: 1.5 Hours: 2-1
Basic Conducting
A continuation of 356A.
Prerequisites: 356A or permission of the School.

MUS 360 Units: 1.5 Hours: 1.5-0
Seminar in Chamber Music with Piano
Principles of ensemble playing demonstrated through a wide range of repertoire from the Baroque era to the present.
Note: May be taken more than once for credit at the discretion of the School.
Prerequisites: 240 or 245, or permission of the School.

MUS 361 Units: 1.5 Hours: 1.5-0
Issues in Piano Pedagogy
Selected issues and trends in piano pedagogy and interpretation.
Note: May be taken more than once for credit at the discretion of the School.
Prerequisites: 240 or 245, or permission of the School.

MUS 362 Units: 1.5 Hours: 2-0
Vocal Pedagogy
A study of the principles of vocal pedagogy with reference to differences in the main national schools of singing. Physiology, principles of acoustics, and current trends in voice research will be addressed.
Note: Open to non-voice students with permission of the School.

MUS 364 Units: 1.5 Hours: 3-0
Song Literature
A study of the literature of solo song from 1600 to the present, incorporating musical and literary developments in Western culture.
Prerequisites: 101B and 120A or permission of the School.

MUS 366A Units: 1.0 Hours: 0-4
Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonica Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble, Bonehenge and Accompanying.

MUS 368 Units: 1.0 Hours: 1-2
Philomena Women’s Choir
A large choral ensemble open to all University students including School of Music students.
Prerequisites: MUS 288.

MUS 390 Units: 1.5 Hours: 3-0
Special Studies
With the consent of the School, a student who has demonstrated a capacity for independent work may undertake an individual project.
Note: May be taken more than once for credit.

MUS 401A Units: 1.5 Hours: 3-0
Topics in Analysis
The study of a particular analytical approach (e.g. Rameau, Schenker) and its applications to a variety of 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 410B 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 410C 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 410D 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 410B 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 410C 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 410D 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.
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.

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, 330, 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 Ill. Post-diploma students: 345.

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: COMF

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 designate.

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: COMF

NURS 390 Units: 1.5 or 3 Directed Studies
Directed readings, research projects or special studies in a specified area of interest. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must receive the approval of the Director or designate before students are permitted to register.
Note: Offered as resources permit.

NURS 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.

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: COMF

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. Workviews 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: COMF

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: COMF

NURS 481A Units: 1.5 Gender Issues in Mental Health
The purpose of this course is to facilitate in-depth examination, understandings and meanings of the influences and effects of lived experiences of gender on individual health, healthcare professionals, healthcare practices and healthcare organizations and systems.

NURS 481C Units: 1.5 Nursing Practice in Hospice Palliative Care
The purpose of this course is to explore nursing practice in hospice palliative care. Historical, theoretical, personal and professional perspectives are presented for ongoing examination and analysis in relation to their impact on and guidance for nursing practice. Central to this exploration is a growing understanding of the human experience of persons.
living their dying and 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 honor human uniqueness.

NURS 483 Units: 1.5
Teaching and Learning in Nursing Practice
The purpose of this course is to consider pedagogies that are consistent with a human science paradigm and health promotion perspective. In addition, students are expected to develop their unique approaches to teaching and learning within these perspectives. The course focuses on pedagogical considerations involved in health promotion nursing practice. A ten hour practicum is a required component of this course.

NURS 484 Units: 1.5
Nursing with Aboriginal Peoples in Canada
This course is an introduction to nursing with Aboriginal peoples in Canada. Through the use of storytelling, self-reflection, and a critical framework, learners are invited to enter into a “dialogue” with Aboriginal and non-Aboriginal individuals, community members and nurses. Together, as a community of learners, we will explore the essential concepts of relationship and power as related to working with Aboriginal peoples 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 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 mental health in the elderly, mental health assessment, interventions useful in the management of problematic behaviors in the elderly, environmental strategies for increasing functioning in older people, and community resources for meeting mental health needs. The course provides multiple opportunities for participants to consolidate their learning and to develop attitudes conducive to effecting positive changes in the workplace.

NURS 487 Units: 1.5
Health 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
Directed Studies
Directed readings, research projects or special studies in a specified area of interest. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student’s work. The proposal must receive the approval of the Director or designate before students are permitted to register.

Note: Offered as resources permit.

NURS 491 Units: 4.5
Nursing Practice VIII: Transitions
The nursing practice experience provides opportunities for participants to consolidate their learning and explore the transition to professional nursing as a BSN graduate. Participants also explore transitions in the health care system and the workplace that affect nurses. Participants may develop their practice within a specific area, e.g., a particular setting of practice, a certain client population, or a specific health challenge.

Prerequisites: NURS 470.
Pre- or corequisites: NURS 475.
Grading: COMF

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 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 in relation to specific health issues are explored and critiqued.

Prerequisites: Continuing students: completion of Term 6, or permission of the Director or designate.

NURS 493C Units: 1.5
Lived Experience of Health in Aging
The emphasis of this course is on the complex nature of aging and health. Students will explore the determinants of health, as well as the common chronic and episodic challenges of aging 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: COMF

PACI
Pacific and Asian Studies
Department of Pacific and Asian Studies
Faculty of Humanities

PACI 210 Units: 1.5 Hours: 3-0
The Pacific Region, 1900 to the Present
This introductory course examines the political, economic, cultural, social, and demographic transformations of the Pacific Region from the beginning of the twentieth century to the present. Case studies from China, Japan, Southeast Asia, and Pacific Islands will be used to show the impact of these transformations on the livelihoods, roles, world views and statuses of men and women.

Note: Credit will be granted for only one of 210, 200A and 200B, 200.

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
Formerly: 311
Introduction to Theory and Analysis in Pacific Studies
An introduction to a variety of theoretical perspectives applicable to the field of Pacific and Asian studies. Students are required to engage in critical analysis of selected problems in classroom presentations and papers. This course is required of all majors and should be taken in the first or second year.

Note: Credit will be granted for only one of 290, 311.
Prerequisites: PACI 210 (or 200A and 200B or 200).
PACI 319A Units: 1.5 Hours: 3-0
Formerly: 319

Social Structure and Social Change in China
This course attempts to provide interpretations for the "development of underdevelopment" of China: the various structural, cultural as well as external barriers obstructing China's various attempts to modernize and industrialize in the 19th and early 20th centuries. It also examines the counterculture of China in the form of secret societies and peasant movements which paved the way for the triumph of Mao in 1949.

Note: Credit will be granted for only one of 319A, 319.
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

PACI 319B Units: 1.5 Hours: 3-0
Formerly: 419

Modern Chinese Society
This course traces the various attempts by China at economic development and socialist transformation since 1949. Particular emphasis will be placed on the impact of these policies on village life and the response of rural inhabitants in China.

Note: Credit will be granted for only one of 319B, 419.
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 319A.

PACI 321A Units: 1.5 Hours: 3-0
Formerly: 321

Social Structure and Social Change in Japan
This course will concentrate upon the transformation of Japanese society from the early 19th century up to the end of World War II, paying particular attention to the interlocking themes of economic development and political and social change.

Note: Credit will be granted for only one of 321A, 321.
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

PACI 321B Units: 1.5 Hours: 3-0
Formerly: 421

Modern Japanese Society
A consideration of Japan's re-emergence as an industrialized nation in the post-war period and prospects for further development in view of the world energy crisis, environmental degradation, and other domestic and foreign problems. Emphasis will be upon the socio-political effects of Japan's post-war economic transformation.

Note: Credit will be granted for only one of 321B, 421.
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 321A.

PACI 322A Units: 1.5 Hours: 3-0
Formerly: 323

Southeast Asia From 1800 to 1945
This course will focus on the transformation of Southeast Asia under the impact of Western imperialism from a multiplicity of political centers and circles of influence into nations with new structures and boundaries. It will focus on such themes as the nature of colonial rule, the introduction of capitalism, the rise of independence movements, and changes in rural society.

Note: Credit will be granted for only one of 322A, 323.
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

PACI 322B Units: 1.5 Hours: 3-0
Formerly: 423

Post-War Southeast Asia
This course will examine the post-war experiences of four Southeast Asian countries - Indonesia, Malaysia, the Philippines, and Vietnam. Major themes will be decolonization and the rise of independent states, the composition of elites, problems of liberal democracy, revolutionary movements, class and ethnic divisions, economic development, and the role of the military.

Note: Credit will be granted for only one of 322B, 423.
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 322A.

PACI 325 Units: 1.5 Hours: 3-0

Social and Economic Change in the Pacific Region
A study of theories of social and economic change, gender issues, sustainable development and the international division of labour. Case material will be drawn from Southeast Asia, Oceania and East Asia.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

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 200A and 200B or 200), 290 (or 311), 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, Solomon 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 200A and 200B or 200), 290 (or 311), 328A.

PACI 383 Units: 1.5 Hours: 3-0

Also: GEOG 383
Formerly: GEOG 364 and 464A

Physical and Cultural Geography of China
A study of the physical environment of China and the role of the Chinese people in moulding and changing the landscape over the past four thousand years. The subject matter will deal primarily with conditions pertaining to the Chinese earth and the Chinese people in the period up to 1979, and provide an essential basis for appreciation of the transformation of China since 1949.

Note: Credit will be granted for only one of PACI 383, GEOG 364, GEOG 383, GEOG 464A.
Prerequisites: PACI 210 (or 200A and 200B), or 4.5 units of 100- to 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 200A and 200B or 200), 290 (or 311).

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 work-

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participation in class discussion are required throughout the course.

**Prerequisites:** PACI 210 (or 200A and 200B or 200), 290 (or 311), 319A and 319B.

**PACI 422**  Units: 1.5  Hours: 3-0

**Seminar on Post-War Japan**
A close examination of a major issue on post-war Japan such as the Allied Occupation, the evolution of the labour movement, the post-war political economy, or Japan in the international division of labour. Consultant instructor for specific topic.

**Prerequisites:** PACI 210 (or 200A and 200B or 200), 290 (or 311), 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 200A and 200B or 200), 290 (or 311), 321A and 321B.

**PACI 442**  Units: 1.5  Hours: 3-0

Also: GEOG 442

**Geography of Chinatowns and Chinese Migration**
The study of urban Overseas Chinese communities in Pacific Rim countries. Includes migration theory, concepts of culture conflict, assimilation and acculturation, urban ethnicite, 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 basic social structure of the home communities of Asian immigrants, and the political, economic, and social forces leading to their migration to Canada. It will also examine the process of chain migration, associated problems of brain drain and labour shortage, and the impact of Asian Canadians' remittances, investment, donations and returned visits on the development of their home communities.

**Prerequisites:** PACI 210 (or 200A and 200B or 200), 290 (or 311), and fourth-year standing.

**PACI 481**  Units: 1.5 or 3

Formerly: 480

**Special Topics**
Offered either as a reading course, a tutorial or a seminar on Japan, China, Taiwan, Southeast Asia, or Oceania, for advanced students. Consult appropriate members of the Department about topics and requirements.

**Note:** Students may obtain a maximum of 3 units for 480 and 481 in different topics on the same geographical area with the permission of the instructor and the Pacific Studies Program Adviser.

**Prerequisites:** PACI 210 (or 200A and 200B or 200), 290 (or 311), and 3 units of 300- or 400-level courses in the geographical area on which the proposed project will focus.

**PACI 483**  Units: 1.5  Hours: 3-0

Also: GEOG 483

Formerly: GEOG 365 or 464B

**Political and Economic Geography of China**
This course consists of two parts. Part One examines the impacts of Western colonization on the economy of China, the search for new political and economic forms, and the structure of the Communist government. Part Two focuses on the economic policies and development of China after 1949, and a geographical study of selected administrative or economic regions.

**Note:** Credit will be granted for only one of 483, GEOG 365, GEOG 464B, GEOG 483.

**Prerequisites:** PACI 319A or PACI 319B, or GEOG 382.

**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 of the 490A paper. 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 490B, 490.

**Prerequisites:** 325, 390, and 490A.

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**PE**

**Physical Education Instruction**

**School of Physical Education**

**Faculty of Education**

Courses offered by the faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, ED-DC, IA, IET, ME, PE.

*The following courses, PE 104-135, are intended for students pursuing degrees in physical education (BEd. BA and BSc). They are designed to develop each participant's level of performance, ability to analyze skills, and understanding of strategies or concepts within the particular activity. Maximum Credit for PE 104-135 courses in degree programs offered by the Faculty of Education is specified in section 6.2. Students in Physical Education programs are expected to complete most of the required PE 104-135 courses in the first two years.*

**PE 104**  Units: 0.5  Hours: 2-0

**Special Activity**

**Note:** With special permission, may be taken more than once for credit in a degree program.

**PE 105**  Units: 0.5  Hours: 2-0

**Swimming**

**PE 106**  Units: 0.5  Hours: 2-0

**Track and Field**

**PE 107**  Units: 0.5  Hours: 2-0

**Gymnastics:** I

**PE 109**  Units: 0.5  Hours: 2-0

**Recreational Dance**

**PE 113**  Units: 0.5  Hours: 2-0

**Golf**

**PE 114**  Units: 0.5  Hours: 2-0

**Creative Dance**

**PE 116**  Units: 0.5  Hours: 2-0

**Badminton**

**PE 117**  Units: 0.5  Hours: 2-0

**Tennis**

**PE 119**  Units: 0.5  Hours: 2-0

**Contemporary Dance**

**PE 120**  Units: 0.5  Hours: 2-0

**Basketball**

**PE 121**  Units: 0.5  Hours: 2-0

**Soccer**

**PE 122**  Units: 0.5  Hours: 2-0

**Volleyball**

**PE 123**  Units: 0.5  Hours: 2-0

**Rugby**

**PE 124**  Units: 0.5  Hours: 2-0

**Field Hockey**

**PE 125**  Units: 0.5  Hours: 2-0

**Softball**

**PE 126**  Units: 0.5  Hours: 2-0

**Orienteering**

**PE 127**  Units: 0.5  Hours: 2-0

**Canoeing**

**PE 133**  Units: 0.5  Hours: 2-0

**Strength Training**

**PE 134**  Units: 0.5  Hours: 2-0

**Yoga**

**PE 135**  Units: 0.5  Hours: 2-0

**Karate**

**PE 141**  Units: 1.5  Hours: 3-2

**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.

**PE 142**  Units: 1.5  Hours: 3-0

**Human Wellness and Potential**

This course examines lifestyle behaviours, which have the power to enhance or diminish personal potential. Current wellness models and motivational theories will be reviewed and applied to wellness planning as related to personal and professional performance. Topics will include physical activity and health; nutrition; stress management; substance use/abuse; environmental awareness; goal setting; and the process of decision-making.
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<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tr>
<td>PE 143</td>
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<td>Scientific, Philosop. Historical and Psychosocial Bases of Physical Activity</td>
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<td>PE 155</td>
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<td>Introduction of Nutrition: Concepts and Controverses</td>
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<td>PE 241A</td>
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<td>Introduction to Human Cellular Physiology</td>
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<td>PE 241B</td>
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<td>Introduction to Human Systemic Physiology</td>
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<td>PE 243</td>
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<td>Foundations of Recreation and Leisure</td>
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<td>PE 244</td>
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<td>Canadian Recreation Delivery Systems</td>
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<td>Leadership Methods For Recreation</td>
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<td>Foundations of Outdoor Recreation</td>
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<tr>
<td>PE 241A</td>
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<td>Introduction to Human Cellular Physiology</td>
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<td>PE 304</td>
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<td>Physical Education For General Classroom Teachers</td>
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<td>PE 341</td>
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<td>Instructional Techniques in Individual Activities</td>
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<tr>
<td>PE 354A</td>
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<td>Administration in Leisure and Health Related Services: II</td>
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<tr>
<td>PE 355</td>
<td>1.5</td>
<td>3-0</td>
<td>Functional Anatomy</td>
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</tbody>
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**Note:** No prerequisite required but a background in anatomy is recommended.

**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 prestige. It also considers how the commercialization of sport has made it a money-making vehicle for countries, cities, multi-national corporations, and television networks.

**PE 348**  
**Psychology of Sport**  
An examination of the current findings in psychological research into sport and physical activity with special attention to personality characteristics of the performer, motivation for performance, cohesiveness, and spectator behaviour.

**Prerequisites:** PSYC 100A/B.

**PE 351**  
**Community and Population Health**  
This course is designed to build on students' knowledge of individual wellness and lifestyle behaviors by exploring the concepts of community and population health. Topics will include: the evolution of health promotion and population health; the determinants of health; epidemiology of health behaviours; understanding and enhancing the health of children, youth, adults, seniors; and, principles of ecology and environmental health.

**PE 352**  
**Instructional Techniques in Individual Activities**  
Secondary  
Methods of teaching individual activities to secondary school and related groups. Field experience may be required as part of this course.

**Note:** Reserved for B.Ed. secondary students in the physical education teaching area.

**PE 354A**  
**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.

**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 PE 354A is not a prerequisite, PE 354B is best taken in conjunction with PE 354A.

**PE 355**  
**Functional Anatomy**  
The study of neural and musculoskeletal structures with focus on functional applications. Emphasis will be placed on the relationship between human movement, and the anatomical organization and stability of the extremities and trunk. Some application to causes and prevention of activity-related musculoskeletal disorders (injury and or disease related), and exercise prescription for rehabilitation will also be included.

**Prerequisites:** 241B.
EDUC 445
Formerly: EDUC 435
Coaching Studies
Introduction to Research
Principles of Facility Administration
Exercise Prescription
Coaching Studies
Motor Control
Cultural and Outdoor Physical Activity
Creative Movement

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.

PE 357
Introduction to Research
An introduction of quantitative and qualitative research approaches to disciplinary areas in the School of Physical Education. Topics include methods and design, measurement issues, analysis and interpretation of literature and analytical procedures used in research.

PE 360
Exercise Prescription
Principles of fitness and the development of exercise programs to enhance health and/or performance of children, adults and special populations including athletes, the elderly and disabled; application of programs in a variety of settings; methods of evaluating physiological adaptation to exercise using laboratory and field experiences.

Prerequisites: PE 141 and PE 241B or equivalents.

PE 361
Coaching Studies
An in-depth study of coaching theory. Students who successfully complete the course will receive the Coaching Association of Canada’s Level 1 and 2 theory certification. The course will require a practical coaching experience in a sport of the student’s choice.

Note: Credit will be granted for only one of 361, 463.
Grading: INP; letter grade

PE 380
Motor Control
An examination of the neural processes involved in the maintenance of posture, the control of movement, and issues related to understanding the cerebral organization of goal-directed movement. Includes discussion of certain movement disorders and the relationship of the disturbances to stages in the sequence of information processing.

Note: Credit will be granted for only one of 380, 442.

Prerequisites: 241B and 245.

PE 435
Cultural and Outdoor Physical Activity
This course will provide the opportunity for students to develop an understanding and appreciation for a variety of outdoor physical activities and cultural movement forms suitable for elementary school children. Movement forms will be drawn primarily from the alternative-environment, dance, and games movement categories in the Physical Education K-7 Integrated Resource Package. A school-based experience may be included.

Note: Credit will be granted for only one of 435, EDUC 435.

Prerequisites: EDCI 450.

PE 439
Creative Movement
Laban’s four elements of movement (space awareness, body awareness, qualities and relationships) will be the basic structure used to analyze and teach creative movement activities. Instructional strategies will stress exploratory methods and techniques. Practical applications will be made to dance, gymnastics and games.

Note: Credit will be granted for only one of 439, EDUC 445.

Prerequisites: EDCI 460.

PE 441
Exercise Physiology
The physiological adaptation of the human body to acute and chronic exercise; nutrition for exercise and recovery.

Prerequisites: 241A and B.

PE 443
Organization and Administration of Physical Education
Nature and function of administration; management of equipment and facilities; organization and management of programs of physical education and athletics; survey of the organization in Canadian schools.

PE 444
Measurement and Evaluation in Physical Education
Use of laboratory and field tests in the assessment of physical performance and physique. Test administration and interpretation of results.

Note: A background in physiology recommended.

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.

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.

Prerequisites: 253.

PE 449
Physical Parameters of Aging
An overview of the anatomical and physiological changes associated with human aging. Relationships between hypokinetic (inactivity induced) disease, stress, and nutritional habits to aging and the merits of various intervention strategies.

PE 451
Leadership Issues in Fitness, Health and Wellness
This inquiry-based learning course examines current and emergent leadership issues in the fitness, health and wellness fields. Topics will include national fitness leadership certification and registration programs in Canada and the United States, trends in fitness and lifestyle programming, alternative health and wellness programs and services and leadership and management models in the not-for-profit, public and private enterprise systems.

PE 452
Teaching Strategies for Games in Physical Education
Methods of teaching game activities to students in secondary schools and related groups. Field experience is required as part of this course.

Note: Reserved for B.Ed. Secondary students in the Physical Education teaching area.

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 not be granted for 454 and 454A, 454B.
Prerequisites: Completion of at least 2 co-operative work terms: COOP 001 and RHED 001 or RHED 002 or RHED 001 INP and RHED 002 INP

PE 455
Nutrition for Exercise and Health
The study of nutrition in a Canadian context with special emphasis on the application of nutritional theory and practice for enhancing health, supporting a physically active lifestyle and improving physical performance.

Prerequisites: 155 and 241B.

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.

Prerequisites: 241B, 341 and 380.

PE 461
Advanced Skills and Officiating
In-depth study of skill areas selected by the student, including advanced skill performance and officiating to an approved level. Students in the B.Ed. (Secondary Curriculum) program with Physical Education as a teaching area must register in one of the areas listed below at 0.5 units each.

461A - Badminton
461B - Basketball
461C - Dance
461D - Field Hockey
461E - Gymnastics
461F - Rugby
461G - Soccer
461J - Swimming
461K - Tennis
461L - Track and Field
461M - Volleyball

Note: Not every area will be offered each year.
Prerequisites: Credit in the related 100-level course.

PE 470
Outdoor Recreation Advanced
Examination of outdoor recreation skills as a teaching medium; focus on professional outdoor recreation leadership skills, knowledge and techniques.

Prerequisites: 270.

PE 487
Special Topics in Physical Education
Topics of current interest or concern to groups of students.

Note: May be taken more than once for credit on a degree program with permission of the Education Advising Centre.
Secondary Teacher Education.

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.

Honours Thesis or Tutorial
Research under the direction of faculty for Honours students only.
Grading: INP, letter grade

Professional Studies

PE 499 Units: 3.0
Honours Thesis or Tutorial
Research under the direction of faculty for Honours students only.

PHIL

Philosophy
Department of Philosophy
Faculty of Humanities

Courses in the 100 series are broader in scope than those in the 200 series, but neither type should present any difficulty for the beginner. Both types are recommended for students in any program, whether they plan to continue in Philosophy or not, and may be taken in any year; e.g. courses in the 200 series may be taken in the first as well as in later years. Other courses in Philosophy may be taken by satisfying the listed prerequisites or with permission of the instructor.

PHIL 100 Units: 3.0 Hours: 3-0
Introduction to Philosophy
An introduction to central works in the history of Western philosophy, with a principal goal of fostering the capacity to think logically and critically. Questions will include: Does God exist? Is knowledge possible? Do humans have free will? What is justice? Figures studied will include most of the following: Plato, Aristotle, Descartes, Leibniz, Berkeley, Hume, Kant, Mill and Nietzsche, and may include others. See annual Departmental Handbook for more information.

PHIL 201 Units: 1.5 Hours: 3-0
Applied Logic: I
The course is primarily concerned with the analysis of simple argument forms in natural language. Close attention is paid to the different uses of language in an argumentative context. There is a treatment of elementary principles of inductive logic, decision making, syllogistic reasoning, and informal fallacies.
Note: The course is designed as a first course in logic for students with little or no symbolic orientation; it may be taken before or after 203. 304 is recommended for science students.

PHIL 202 Units: 1.5 Hours: 3-0
Applied Logic: II
The course is designed to teach students to generate deductively valid arguments and to detect invalid arguments. Correct inference rules for sentential arguments and quantification arguments are identified and treated from a purely syntactical point of view. A rigorous treatment of the semantic theory for sentential logic and quantification logic is also presented.

Note: The course is designed as a first course in logic for students with little or no symbolic orientation; it may be taken before or after 203. 304 is recommended for science students.

PHIL 204 Units: 1.5 Hours: 3-0
Formerly: one half of 287
Eastern Philosophy: The Chinese Tradition
An introductory study of major philosophical texts in the Chinese tradition. An effort will be made to illustrate the methods of philosophizing characteristic of the philosophers discussed.
Note: Credit will be granted for only one of 204, 287.

PHIL 205 Units: 1.5 Hours: 3-0
Formerly: one half of 287
Eastern Philosophy: The Indian Tradition
An introductory study of major philosophical texts in the Indian tradition. An effort will be made to illustrate the methods of philosophizing characteristic of the philosophers discussed.
Note: Credit will be granted for only one of 205, 287.

PHIL 206 Units: 1.5 Hours: 3-0
Eastern Philosophy: The Japanese Tradition
An introductory survey of major philosophical texts in the Japanese tradition. Shinto, Chan and Zen Buddhist perspectives on metaphysics, epistemology, ethics and aesthetics are addressed. Japanese philosophy is contrasted with the Western tradition.

PHIL 208 Units: 1.5 Hours: 3-0
Introduction to Arabic Philosophy
An introduction to the fertile period of philosophy that followed directly upon the late ancient Greek philosophy. An overview of the way in which the Arabs inherited the ancient legacy and a problem-oriented approach to the thought of such major Muslim thinkers as Farabi, Avicenna, Ghazali, and Averroes. Arab philosophy compared with medieval Latin and later European philosophy.

PHIL 209 Units: 1.5 Hours: 3-0 or 2.0
Philosophy and First Nations Thought
An inquiry into the nature and scope of First Nations wisdom. Examines relations between First Nations thought and Western philosophy.

PHIL 211 Units: 1.5 Hours: 3-0
Introduction to Existentialism
An introduction to the themes and method of existentialism. 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 do existentialists seem so vehemently attacked and how have they responded? The figures and works chosen may vary from year to year.

PHIL 220 Units: 1.5 Hours: 3-0
Introduction to Philosophy of Science
This course will introduce both the epistemological and ethical issues concerning science as a method of gaining knowledge about the world. Epistemological issues may include the distinction between science and non-science, the logic of explanation, and the logic of confirmation. Ethical issues may include the ethics of experimentation with humans, animals, or the environment; the social consequences of scientific knowledge or technology; and the community control of research.
Note: Credit will be granted for only one of 220, 222A, 222B.

PHIL 222 Units: 1.5 Hours: 3-0
Philosophy of the Social Sciences
A philosophical examination of the social sciences. Questions to be addressed include: Are the social sciences scientific? If so, how do the social sciences differ from the natural sciences and from the humanities? Is history a social science? Can human beings be comprehended scientifically? Are social sciences descriptive or evaluative? Is objectivity possible in history and the social sciences?

PHIL 232 Units: 1.5 Hours: 3-0
Moral Problems of Contemporary Society
An investigation of certain moral problems which might be called social problems as well. One or more of such topics as the following will be discussed: sexual relations, censorship, suicide, capital punishment, poverty, international hostilities. Differing moral positions concerning the issue(s) chosen will be identified, and their justifications sought out and examined. Students should consult the annual Departmental Handbook for a more specific description of the course for a given year.

PHIL 236 Units: 1.5 Hours: 3-0
Political Philosophy
An introduction to problems in contemporary political philosophy. The course will examine such topics as justice, rights, equality, liberty, community, culture and political legitimacy from a variety of perspectives.

PHIL 238 Units: 1.5, formerly 3-0
Philosophy in Literature
The purpose of this course is to explore various philosophical theories and themes as these find expression in literature. In some years, the course may be devoted to an examination of a single theme as it emerges in distinct periods and writings. Readings may range over the literature of many countries and will not necessarily be confined to works in the Western tradition.

PHIL 239 Units: 1.5 Hours: 3-0
Philosophy and Feminism
An introduction to philosophical issues raised in and by feminist thought. Topics may include: the influence of feminist perspectives on the framing and study of philosophical problems; an examination of concepts, issues, and arguments underlying feminist claims; liberal feminism; Marxist feminism; radical feminism; feminism and race; an examination of current issues such as gender essentialism, pornography, mothering, and reproductive rights from a feminist perspective.
Note: Consult annual Departmental Handbook for details in any given year.

PHIL 240 Units: 1.5 Hours: 3-0
Philosophy of Art
An introduction to philosophy of art. Questions to be addressed include: What is art? What makes art valuable? How is art to be evaluated? Is the value of art relative to audiences? Is art a source of knowledge? What moral issues arise in connection with the arts?
Note: Credit will be granted for only one of 240, 242.

PHIL 250 Units: 1.5 Hours: 3-0
Knowledge and Reality
An introductory investigation of issues in epistemology and metaphysics. Topics to be addressed will be drawn from the following list: the nature and definition of knowledge, scepticism, causality, possibility and necessity, universals, realism, space and time.
Prerequisites: 100.
### COURSE LISTINGS

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<th>Course Code</th>
<th>Units:</th>
<th>Hours:</th>
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#### PHIL 260: Introduction to Philosophy of Mind
- **Units:** 1.5
- **Hours:** 3-0

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: Philosophy of Religion
- **Units:** 1.5
- **Hours:** 3-0

Formerly: 214

A consideration of some of the conclusions that have emerged from a philosophical examination of such religious questions as: the existence of God, survival after death, the problem of evil, the significance of religious ignorance, etc. Class discussion will be much emphasized.

**Note:** Credit will be granted for only one of 261, 214.

#### PHIL 301: Plato
- **Units:** 1.5
- **Hours:** 3-0

Formerly: 421

A philosophical examination of one or more Platonic dialogues.

**Note:** Credit will be granted for only one of 301, 421. The content of the course may vary from year to year; students should consult the annual Departmental Handbook for a more specific description of the course for a given year. PHIL/GRS 379 and GRS 380 are both recommended as background for the course.

**Prerequisites:** 6 units of Philosophy, including 100, or permission of the instructor.

#### PHIL 303: Aristotle
- **Units:** 1.5
- **Hours:** 3-0

Formerly: 422

A study of one or more of the philosophical writings of Aristotle.

**Note:** Credit will be granted for only one of 303, 422. The content of the course may vary from year to year; students should consult the annual Departmental Handbook for a more specific description of the course for a given year. PHIL/GRS 379 and GRS 380 are both recommended as background for the course.

**Prerequisites:** 6 units of Philosophy, including 100, or permission of the instructor.

#### PHIL 304A: Theoretical Logic I: Propositional
- **Units:** 1.5
- **Hours:** 3-0

Concerned with a treatment and justification of propositional logic from a theoretical point of view: Ideal formal languages developed, and their relationship to natural languages discussed. Syntactic and semantic theories formalized for the analysis of complex deductive arguments. The metaphysics of quantificational logic, relating the syntactic theories and the semantic theories, developed. Topics include consistency, compactness, soundness, completeness, and interpolation.

**Prerequisites:** Philosophy 304A or permission of the instructor.

#### PHIL 305: Medieval Philosophy
- **Units:** 3.0
- **Hours:** 3-0

Formerly: 245

**Moral 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 endeavour. Since Western thought was heavily influenced by Islamic philosophies and by mystical speculations, a special section of the course will be devoted to the philosophy of Islam and its impact on the West, and another to an examination of medieval mysticism.

**Note:** Credit will be granted for only one of 305, 245.

**Prerequisites:** 100 or permission of the instructor.

#### PHIL 306: The Rationalists
- **Units:** 1.5
- **Hours:** 3-0

Formerly: one half of 310

**The Empiricists**

Studies the major writings of Locke, Berkeley and Hume, with emphasis on metaphysics and epistemology.

**Note:** Credit will be granted for only one of 308, 310.

**Prerequisites:** 4.5 units of Philosophy.

#### PHIL 308: Kant
- **Units:** 1.5
- **Hours:** 3-0

Formerly: one half of 310

**Kant**

Studies Kant's epistemology and metaphysics, principally as presented in The Critique of Pure Reason.

**Note:** Credit will be granted for only one of 309, 310.

**Prerequisites:** 4.5 units of Philosophy or permission of the Department.

#### PHIL 309: Existentialist Thinkers
- **Units:** 1.5
- **Hours:** 3-0

Formerly: one half of 310

**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 310: Professional and Business Ethics
- **Units:** 1.5
- **Hours:** 3-0

**Issues in Biomedical Ethics**

An examination of ethical issues arising in the contemporary professional and business setting; emphasis is on the mastery of representative ethical systems and concepts and their application to actual situations.

**Prerequisites:** Second-year standing or professional qualification in Health Care e.g. RN, MD.

#### PHIL 311: Philosophy and the Environment
- **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.

**Prerequisites:** Third or fourth-year standing, or permission of the Department.

#### PHIL 335: Moral Philosophy
- **Units:** 3.0
- **Hours:** 3-0

Formerly: 308

**Moral Philosophy**

An inquiry into the foundation of moral reasoning and moral judgement, to be conducted by intensive study of selected seminal writings in moral philosophy.

**Note:** Credit will be granted for only one of 335, 302.

**Prerequisites:** 6 units of Philosophy or permission of the Department.

#### PHIL 336: Philosophy of Education
- **Units:** 1.5
- **Hours:** 3-0

**Ethics: Theory and Practice**

A survey of the foundations of moral reasoning and judgement that examines basic normative and meta-ethical theories. The course is intended primarily for students pursuing the Minor in Applied Ethics but is open to other students.

**Prerequisites:** 232 or permission of the Department.

#### PHIL 356: Minds and Machines
- **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.

**Prerequisites:** 3 units selected from Biology, Computer Science, Philosophy or Psychology; or permission of the Department.

#### PHIL 381: Early Greek Thought
- **Units:** 1.5
- **Hours:** 3-0

**Formerly: PHIL 379 (CLAS 379)**

**Early Greek Thought**

An examination of early Greek thought as embodied in the symbolic orientations of such figures as Parmenides, Heraclitus, Anaxagoras, and Democritus. These figures may be considered in the context of historical and literary writings of their society (e.g., works by Aeschylus, Herodotus, Thucydides). Issues may include: distinctions among myth, science and philosophy; notions of law, morality, and causality; the influence of early Greek thought on later thinkers.

**Note:** Credit will be granted for only one of 381, 379, GRS 379, CLAS 379.

**Prerequisites:** Third or fourth-year standing or permission of the Department.
PHIL 381 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?
Note: Credit will be granted for only one of 383, GRS 380, CLAS 380.
Prerequisites: Third or fourth-year standing or permission of the Department.

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 403 Units: 1.5 Hours: 3-0
Philosophical Logic
The primary objective is to determine the philosophical limitations of classical logic. By classical logic is meant bivalent first order quantification theory, together with the usual extensions of it adequate for identity theory and formal number theory. Among the questions that may be raised are: Is there satisfactory philosophical motivation for quantum logic or for many-valued logic generally? Does a good theory of reference counsel the rejection of bivalence? Does classical first order logic inhibit a philosophical understanding of existence, identity and predication?
Prerequisites: 201/203 or 304 or former 202, or MATH 332 or 333, and an additional 3 units of Philosophy, or permission of the Department.

PHIL 420 Units: 1.5 Hours: 3-0
Formerly: 320
Advanced Topics in Philosophy of Science
This course deals (at a more advanced level than in 220) with the methodology, epistemology, and ontology of science. Topics may include the logic of explanation, the logic of confirmation, the rationality of theory acceptance, the rationality of scientific revolutions, the unity of science, or the reality of theoretical entities.
Note: Credit will be granted for only one of 420, 222A, 320.
Prerequisites: 220 or permission of the Department.

PHIL 430 Units: 1.5 Hours: 3-0
Contemporary Ethics
An investigation of contemporary debates in ethical theory, including issues in normative ethics and metaethics.
Prerequisites: 9 units of Philosophy, or permission of the Department.

PHIL 431 Units: 1.5 Hours: 3-0
Seminar in Biomedical Ethics
A seminar offering an in-depth study of selected topics in biomedical ethics. Course content will vary, but will usually include such topics as informed consent, experimentation, professional/client and professional/relationship, allocation of resources, administrative procedures, etc. Methodology will include the use of video tape role plays and student presentation/analysis.
Prerequisites: 331 or permission of the Department.

PHIL 433 Units: 1.5 Hours: 3-0
Social and Political Philosophy
This course introduces basic texts and fundamental problems in Western political philosophy. Topics may include: theories of distributive justice, the relationship between law and morality, theories of democracy, the nature of rights, liberty, political legitimacy, community and culture, and interrelationships among economic, class, racial and gender oppression.
Prerequisites: 12 units of Philosophy, including at least one of 336 or 335, or permission of the Department.

PHIL 434 Units: 1.5 Hours: 3-0
Technology and Environment
An inquiry into the nature of technology and its moral implications for human and non-human environments. Questions to be addressed include: What is technology? Are humans ‘essentially’ technological? What factors have given rise to the perceived domination of the non-human environment by human technology? Figures studied may include: Diderot, Ellul, Ursula Franklin, George Grant, Heidegger, and Naess.
Prerequisites: 9 units of Philosophy, or permission of the Department.

PHIL 440 Units: 1.5 Hours: 3-0
Seminar in Aesthetics
Advanced seminar in philosophy of art.
Prerequisites: 9 units of Philosophy, including 240 or permission of the Department.

PHIL 450 Units: 1.5 Hours: 3-0
Formerly: 432
Metaphysics
An inquiry into some of the more general distinctions upon which our notion of reality depends. Topics will include: substance, quality and relation, existence, and 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: 280 or 362 (formerly 342A) or permission of the Department.

PHIL 461 Units: 1.5, formerly 3 Hours: 3-0
Formerly: part of 334
Philosophy of Language: I
A study of the foundations of philosophy of language. Questions to be addressed include: What is meaning? and What is reference? Authors to be studied may include Frege, Russell, Wittgenstein, and Quine.
Note: Credit will be granted for only one of 461, 334.
Prerequisites: 9 units of Philosophy or permission of the Department.

PHIL 462 Units: 1.5, formerly 3 Hours: 3-0
Formerly: part of 334
Philosophy of Language: II
A study of contemporary issues in philosophy of language. Issues of truth will be emphasized. Authors to be studied may include Davidson, Dummett, Kripke, Putnam, and Tarski.
Note: Credit will be granted for only one of 462, 334.
Prerequisites: 9 units of Philosophy or permission of the Department.

PHIL 469 Units: 1.5 or 3 Hours: 3-0
Philosophy of Science
Advanced investigations of a selected philosophical topic.
Note: May be taken more than once for credit in different topics.
Prerequisites: 9 units of Philosophy, or permission of the Department.

PHIL 499 Units: 1.5 Hours: 3-0
Philosophy Honours Seminar
Students will write, and present to a seminar of their peers, a substantial, original essay on a topic of their own choosing. Research into contemporary published work on the topic will form an essential part of the essay. Grades will be based on the written essay, its presentation in the seminar, and participation in the seminar presentations of the other students.
Prerequisites: Honours standing in fourth year.
PHYS 102 Units: 3.0 Hours: 3-3
General Physics
Mechanics, heat, sound, wave motion, light, electricity, magnetism, and modern physics.
Notes: - This course uses calculus and will meet the requirements in Physics of students in Biology and Environmental Studies. Students intending to take further courses in Physics should take 112 rather than 102 and must take MATH 100 and 101 rather than 102.
- No more than 4.5 units of credit may be obtained from 100-level Physics courses.
Prerequisites: PC Secondary School Physics 11 or equivalent.
Pre- or corequisites: MATH 100 or 102.

PHYS 112 Units: 3.0 Hours: 3-3
Basic Physics
Mechanics, optics, light, heat, electricity, magnetism, wave motion, fluids, and quantum physics. 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.

PHYS 120 Units: 1.5 Hours: 3-3
Mechanics: 1
Kinematics, particle dynamics, vectors, curvilinear motion, non-inertial systems, momentum, energy, torque, static equilibrium, center 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.

PHYS 122 Units: 1.5 Hours: 3-3
Mechanics for Engineers
Kinematics, particle dynamics, curvilinear motion, momentum, angular momentum, energy.
Notes: - Credit will be granted for only one of 120, 122.
- No more than 4.5 units of credit may be obtained from 100-level physics courses. Open to Engineering students only.
Prerequisites: A minimum grade of B in BC Secondary School Physics 12 and Algebra 12 or Mathematics 12.
Pre- or corequisites: MATH 100.

PHYS 125 Units: 1.5 Hours: 3-3
Fundamentals of Physics
Simple harmonic motion, wave motion, sinusoidal waves, phase velocity, Huygens' Principle, resonance, reflection, refraction and interference; sound; the classic Doppler effect; ray and first order matrix optics, total internal reflection and dispersion; the electromagnetic spectrum; optical spectra and electronic structure; de Broglie waves; principles and applications of nuclear structure, nuclear reactions and ionizing radiation.

PHYS 210 Units: 1.5 Hours: 3-0
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 112, 120, or 122; MATH 100 and 101.

PHYS 215 Units: 1.5 Hours: 3-3
Introductory Geophysics
Structure of the earth, plate tectonics and seafloor spreading, Principles of seismology, gravity, geomagnetism and paleomagnetism, radioactivity and heat flow.
Note: Credit will be granted for only one of 210 and EOS 210.
Prerequisites: Any one of 112, 120, or 122; MATH 100 and 101.

PHYS 220 Units: 1.5 Hours: 3-3
Classical Mechanics: I
Relativistic kinematics and dynamics, elementary rigid body dynamics, torque, rolling motion, angular momentum, harmonic oscillator, gravity and central force motion, basics of fluid mechanics, mechanical waves.
Prerequisites: Any one of 112, 120, or 122.
Pre- or corequisites: MATH 200.

PHYS 225 Units: 1.5 Hours: 3-3
Introductory Electricity and Magnetism
Electric and magnetic fields, Gauss' law, electric potential, capacitance, dielectrics, current and resistance, resistivity, magnetic inductance. Faraday's law of induction, Ampere's law, energy stored in electric and magnetic fields.
Note: Credit will be granted for only one of 216, ELEC 216.
Prerequisites: Any one of 112, 120, or 122.
Pre- or corequisites: MATH 200.

PHYS 230 Units: 1.5 Hours: 3-3
Mechanics and Special Relativity
Relativistic kinematics and dynamics, elementary rigid body dynamics, torque, rolling motion, angular momentum, harmonic oscillator, gravity and central force motion, basics of fluid mechanics, mechanical waves.
Prerequisites: Any one of 112, 120, or 122.
Pre- or corequisites: MATH 101.

PHYS 290 Units: 1.0-3.0
Directed Studies
This course is intended primarily to aid students transferring from other institutions to fit into the physics programs.
Note: Students must obtain the consent of the Department before registering.

PHYS 303 Units: 1.5 Hours: 3-0
Origin of Space, Time and Matter in the Universe
For non-science students interested in expanding their understanding of the physical world. The aim is to combine topics in earth physics, particle physics, astronomy, and cosmology to study the nature and origin of space-time and matter, and the chemical composition of the earth, planets, and stars. High-lights 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.

PHYS 313 Units: 1.5 Hours: 3-1
Formerly: part of 413B
Atomic and Molecular Physics
Applications of quantum physics to atoms and molecules. Electron spin, Zeeman effect, Atomic and molecular spectroscopy.
Note: Credit will not be granted for 313 and 413A, 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 314 Units: 1.5 Hours: 3-1
Formerly: part of 413B
Nuclear Physics and Radioactivity
Applications of quantum physics to atomic nuclei; nuclear properties, structure, models and modes of decay. Radioactivity and applications in industry, medicine, archaeology and cosmology. Fission and fusion.
Note: Credit will be granted for only one of 314, 413B. Offered in the Fall term of odd-numbered years.
Prerequisites: 215 and 216.
Pre- or corequisites: MATH 330A or 334, and 323 or 325.

PHYS 317 Units: 1.5 Hours: 3-1
Thermodynamics
The theory and application of thermodynamics.
Prerequisites: 112 or 120.
Pre- or corequisites: MATH 200.

PHYS 321A Units: 1.5 Hours: 3-1
 Classical Mechanics: I
Topics covered include oscillatory motion, motion under a central force, dynamics of a system of particles, gravitational potential theory.
Prerequisites: 220.
Pre- or corequisites: MATH 330A or 334, and 323 or 325.

PHYS 321B Units: 1.5 Hours: 3-1
Classical Mechanics: II
Rigid body dynamics, an introduction to analytical mechanics including Lagrange's and Hamilton's equations, theory of small oscillations.
Prerequisites: 321A.
Pre- or corequisites: MATH 330B or 338, and 326.

PHYS 323 Units: 1.5 Hours: 3-0
Formerly: part of 413A
Quantum Mechanics: I
Introduction to quantum mechanics, historical review, postulates, development of the theory, and applications.
Note: Credit will be granted for only one of 323, 413A.
Prerequisites: 215 and 216.
Pre- or corequisites: MATH 330A or 334, and 323 or 325.

PHYS 325 Units: 1.5 Hours: 3-3
Optics
Reflection and refraction at plane and spherical surfaces, thin lenses, lens aberrations, optical instruments, interference, diffraction, polarization.
Prerequisites: 326 or equivalent; MATH 200 and 201.

PHYS 326 Units: 1.5 Hours: 3-1
Electricity and Magnetism
Properties of electromagnetic fields using vector calculus, displacement current, Maxwell's equations, plane electromagnetic waves with applications, transmission lines, and transients in LRC circuits.
Prerequisites: 216.
Pre- or corequisites: MATH 330A or 334, and 323 or 325.

PHYS 410 Units: 1.5 Hours: 3-0
Topics in Mathematical Physics: I
Mathematical methods applied to solving physical problems. Topics include: Finite dimensional and complex linear spaces; dimensional analysis; theory of distributions and applications to Fourier transforms and Green's functions; variation and perturbation methods; nonlinear differential equations.
Prerequisites: 220; MATH 233A, 330B or 438, and 326.

PHYS 411 Units: 1.5 Hours: 3-1
Time Series Analysis
Continuous and discrete Fourier transforms, convolution and correlation, autocorrelation, spectral density estimation, deconvolution, linear filtering, frequency domain and two-dimensional filtering. Digital data processing and computer analysis is stressed.
Prerequisites: MATH 330B or 438, and 326.

PHYS 415 Units: 1.5 Hours: 3-0
General Relativity and Cosmology
Introduction to Einstein's theory of gravitation and its experimental verification. Applications within the realms of astrophysics and cosmology.
Prerequisites: 317, 321B and 323; MATH 330B or 438, or permission of the Department.

PHYS 420 Units: 1.5 Hours: 3-0
Topics in Mathematical Physics: II
Topics include a selection from advanced topics in complex variable theory and special functions.
Note: Normally open to Honours students only, others by permission of the Department.
Prerequisites: 410 or equivalent.

PHYS 421 Units: 1.5 Hours: 3-0
Statistical Mechanics
Boltzmann, Bose-Einstein and Fermi-Dirac statistics.
Note: Normally open to Honours students only, others by permission of the Department.
Prerequisites: 317, 321B and 323; MATH 330B or 438, and 326.

PHYS 422 Units: 1.5 Hours: 3-1
Electromagnetic Theory
Potential theory, Maxwell's equations, electromagnetic waves.
Note: Normally open to Honours students only, others by permission of the Department.
Prerequisites: 326; MATH 330B or 438, and 326.

PHYS 423 Units: 1.5 Hours: 3-0
Quantum Mechanics: II
Further development of the theory and applications, angular momentum, linear vector spaces, perturbation theory, scattering.
Note: Normally open to Honours students only, others by permission of the Department.
Prerequisites: 321A and 323; MATH 326 and 330B or 438.

PHYS 424 Units: 1.5 Hours: 3-0
Particle Physics
Topics in particle physics.
Note: Offered in Spring of even-numbered years, e.g. January 2002.
Prerequisites: 423 or permission of the Department.

PHYS 425 Units: 1.5 Hours: 2-3
Topics in Electronics Instrumentation
Applications of electronics in physics instrumentation.
Prerequisites: 214 and 216; MATH 330B or 438.

PHYS 426 Units: 1.5 Hours: 3-1
Fluid Mechanics
Flow kinematics, vorticity, the Navier-Stokes equations, Bernoulli's theorem, irrotational flow, viscous flow, dynamic similarity. Application to aerodynamics, water waves, low Reynolds number (very viscous) flow and other selected topics.
Prerequisites: 220 and 317.
Pre- or corequisites: MATH 330B or 438, and 326.

PHYS 427 Units: 1.5 Hours: 3-1
Also: EOS 427
Geophysics
Note: Credit will be granted for only one of 427 and EOS 427. Offered in Spring of odd-numbered years, e.g. January 2007.
Prerequisites: 220, 326.
Pre- or corequisites: MATH 330B or 438, and 326.

PHYS 428 Units: 1.5 Hours: 3-1
Introductory Solid State Physics
An account of the central aspects of the physics of solids including crystal structure and symmetry; thermal, electrical, magnetic, elastic, and optical properties of solids.
Note: Offered in Spring of odd-numbered years, e.g. January 2007.
Prerequisites: 323 and 326; MATH 330B or 438, and 326.
Pre- or corequisites: 323.

PHYS 429A Units: 1.5 Hours: 0-3
Honours Laboratory
Introduction to research, with several research-oriented experiments and with instruction on experimental techniques and theory of measurement.
Note: Normally open only to fourth year Honours students, others by permission of the Department.

PHYS 429B Units: 1.5 Hours: 0-3
Honours Project
A research project conducted under the direction of faculty.
Note: Normally open only to fourth year Honours students, others by permission of the Department.
Pre- or corequisites: 429A.

PHYS 431 Units: 1.5 Hours: 3-0
Continuum Mechanics
Tensor calculus with the properties of a continuum are developed, leading to a study of wave propagation in elastic media with application to seismology. The course concludes with a brief introduction to the basic equations of fluid mechanics.
Note: Offered in Spring of even-numbered years, e.g. January 2008.
Prerequisites: 220; MATH 326.

PHYS 432 Units: 1.5 Hours: 3-0
Medical Physics
Introduction to medical physics: production and measurement of x-rays and charged particles for nuclear medicine, interaction of radiation with biological materials, radiation dosimetry, radiation safety, physics of medical imaging, magnetic resonance imaging.
Prerequisites: 313 or 314.

PHYS 460 Units: 0 Hours: 2-0
Physics Seminar
Talks by Faculty and outside speakers.
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 Fredrick Engels, focusing on its philosophical origins, key concepts and ideas of their historical materialism, critique of political economy, political theory and philosophy. The development of Marxism after Marx and Engels, particularly in the tradition of Western Marxism, will be traced in the case of each concept and idea.
Note: Credit will be granted for only one of 306, 406.

POLI 311 Units: 1.5, formerly 3 Hours: 3-0
Governments and Politics in Europe
Historical backgrounds to, institutional framework for, and players involved in, political conflict in European countries. Consideration will be given to contemporary policy issues and the process of European integration.

POLI 313A Units: 1.5 Hours: 3-0
Formerly: half of 313
American Politics
An introduction to the political system of the United States. Areas of study will include the Constitutional framework, Congress, Presidency, and Supreme Court, political parties and the electoral system.
Note: Credit will be granted for only one of 313A, 313.

POLI 313B Units: 1.5 Hours: 3-0
Formerly: half of 313
American Public Policy
An analysis of the policy-making process of the American federal government, this course examines empirical and critical theories of policy formation and implementation.
Note: Credit will be granted for only one of 313B, 313.
Prerequisites: 313A.

POLI 314 Units: 1.5 Hours: 3-0
British Government and Politics
Political institutions, organizations, and behaviour in contemporary Britain. The policy alternatives advanced by different political groups on a number of issues, including the role of the state in the economy and the territorial distribution of power.
Note: Credit will be granted for only one of 314, 316.

POLI 317 Units: 1.5 Hours: 3-0
Politics of Development
An introduction to some of the principal issues and problems facing the countries of Asia, Africa and Latin America, this course examines the various themes which have influenced policies and concepts of development.

POLI 318 Units: 1.5 Hours: 3-0
Government and Politics in East Asia
Government and politics in China, Japan, North and South Korea, and Taiwan, with special attention to state formation, political reform, institutions, and ideology.
Note: 317 is recommended.

POLI 319 Units: 1.5 Hours: 3-0
Issues in Comparative Politics
An analysis of contemporary issues in comparative politics.
Note: May be taken more than once for credit in different topics with permission of the Chair.

POLI 320 Units: 1.5 Hours: 3-0
Formerly: 320A and 320B
The Canadian Constitution
An analysis of the Canadian Constitutional framework, including the Constitution Acts of 1867 and 1982, the shaping of the federal system and the impact on Canadian society of the Charter of Rights and Freedoms.
Note: Credit will not be granted for 320 and 320A, 320B.

POLI 322 Units: 1.5 Hours: 3-0
Formerly: 322B
Urban Politics
An analysis of urban social movements, the politics of planning and development, and the political economy of cities in the era of globalization.
Note: Credit will be granted for only one of 322, 322B, 450.

POLI 332 Units: 1.5 Hours: 3-0
Formerly: 332B
Culture(s), Knowledge and Power
The role of cultural practices and identification, ideologies, and claims to knowledge in the legitimation of authority and violence.

POLI 333 Units: 1.5 Hours: 3-0
Gender and Politics
An introduction to key debates about the relation between gender and politics in the Western political tradition. It will explore how gender has shaped and been shaped by key political ideas (including the public-private distinction, the idea of contract, political representation, rights, justice, identity and equality), as well as connections between conceptual debates and practical policy-oriented problems in law and politics.

POLI 334 Units: 1.5 Hours: 3-0
The Modern State
An exploration of the modern state as a form of governance and a mode of political organization. Contemporary changes in the organization of the state will be considered in relation to earlier developments. The focus will be on North America and Western Europe, and particular attention will be given to the problematic relation between disciplinary governments, social movements and local communities.
Note: Credit will be granted for only one of 336, 404.

POLI 338 Units: 1.5 Hours: 3-0
Approaches to Political Analysis (Seminar Course)
An examination of the ways in which political analysts generalize about politics. The course addresses types of theory in the discipline (normative, empirical, public choice, critical discourse) and the assumptions that underpin them.
Note: Required for Honours students in their third year, recommended for Major students, but not recommended as a general elective.

POLI 339 Units: 1.5 Hours: 3-0
The Empirical Analysis of Politics (Seminar Course)
Survey of empirical research methods used in political science, focusing on the practical application of qualitative and quantitative methods. Includes the operationalization and measurement of variables; case studies and comparative case studies; interview research; univariate and bivariate statistics; sampling and surveys; and regression.
Note: Credit will be granted for only one of 339, 337. Required for Honours students, preferably in their third year; recommended for students considering graduate studies in Political Science or Public Administration.

POLI 340 Units: 1.5, formerly 3 Hours: 3-0
International Studies
The historical development of the modern states system with reference to its changing social, economic, and political environments, and to related theoretical developments.

POLI 343 Units: 1.5 Hours: 3-0
International Organization
The nature and function of international and regional governmental and non-governmental organizations.

POLI 344 Units: 1.5, formerly 3 Hours: 3-0
International Political Economy
The politics of international economic relations in trade, investment, finance and macroeconomic policies from a variety of theoretical perspectives.

POLI 346 Units: 1.5 Hours: 3-0
Formerly: 446
Canadian Foreign Policy
The foreign policy-making process in Canada, including alternative explanations of specific policies.
Note: Credit will be granted for only one of 346, 446.

POLI 347 Units: 1.5 Hours: 3-0
Discourses of World Politics
Contemporary debates about the nature and location of political community in relation to both the historical practices of state sovereignty and claims about the increasingly global context of political life.

POLI 348 Units: 1.5 Hours: 3-0
International Security
Conceptual and practical issues of security in international politics, including such topics as: the causes of violent international conflict, maritime security, non-military threats to security, national security policies, co-operative international security, and alternatives to state-centered security.

POLI 349 Units: 1.5 Hours: 3-0
Issues in International Politics
An analysis of contemporary issues in international politics.
Note: May be taken more than once for credit in different topics with permission of the Chair.
POLI 350 Units: 1.5 Hours: 3-0
Introduction to Public Administration
An exploration of the external factors affecting contemporary public sector management in Canada, the changing structural and value context within which public servants work, the key processes in which they are engaged and how those processes are changing. The course will focus primarily on the federal and provincial governments, but references will also be made to public administration at other levels.
Note: Credit will be granted for only one of 350, ADMN 311, HSD 404.

POLI 352 Units: 1.5 Hours: 3-0
Feminist Political Thought (Seminar Course)
A seminar in selected contemporary political issues. Topics include political institutions, the role of the state in the economy, social stratification including gender relations, resistance, civil society and democracy.
Prerequisites: 311 or permission of the instructor.

POLI 357 Units: 1.5 Hours: 3-0
Comparative Environmental Politics
Comparative analysis of different nations' responses to environmental problems such as climate change and biodiversity loss, including examination of the development and implementation of international environmental agreements.

POLI 360 Units: 1.5 Hours: 3-0
Comparative Federalism and Public Policy
An examination of the constitutional, political, social, economic, and cultural bases of Canadian federalism, the dynamics of contemporary intergovernmental relations, and the impact of the federal system on public policy.

POLI 366 Units: 1.5 Hours: 3-0
Aboriginal Politics and Self-Government
An examination of various political issues affecting the peoples of Canada's First Nations with particular attention to land claims, self-government and the political organization of Canada's indigenous peoples. Relevant comparisons with other countries and international perspectives will also be included.

POLI 374 Units: 1.5 Hours: 3-0
Canadian Public Policy
An analysis of the Canadian policy-making process, using case studies to examine alternative theoretical perspectives.

POLI 375 Units: 1.5 Hours: 3-0
Politics in the European Union (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, 300C, or permission of the instructor.

POLI 376 Units: 1.5 Hours: 3-0
Politics in India
An exploration of the major themes in the political and economic development of independent India, including the role of the Nehruvian development model, the contemporary crisis of the state and secularism, the transition to globalization, and the politics of caste, class and gender.
Note: Credit will be granted for only one of 376, 419, 433 if 433 taken under the topic "Politics in India."

POLI 377 Units: 1.5 Hours: 3-0
Comparative Environmental Politics
Comparative analysis of different nations' responses to environmental problems such as climate change and biodiversity loss, including examination of the development and implementation of international environmental agreements.

POLI 378 Units: 1.5 Hours: 3-0
Comparative Federalism
Examines a variety of developed and developing federations with a view to improving our understanding of the relationship between formal federal arrangements and their underlying political communities. The factors affecting the governance, administration and policy performance of federations will be examined. The broad objective is to use comparative experience to improve our understanding of Canadian federalism.

POLI 379 Units: 1.5 Hours: 3-0
Topics in Contemporary European Politics
Analysis of contemporary issues in European politics in comparative perspective, with a strong emphasis on the European Union and the process of European integration.
Note: May be taken more than once for credit in different topics with permission of the Chair.

POLI 404 Units: 1.5 Hours: 3-0
Advanced Topics in Political Theory
An advanced seminar on contemporary issues and problems in political theory.
Prerequisites: Two courses from 300A, 300B, or 300C or permission of the instructor.

POLI 405 Units: 1.5 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 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.

POLI 416 Units: 1.5 Hours: 3-0
State, Revolution and Reform in East Asia (Seminar Course)
Politics, political economy, modernization reforms, ideology, and state institutions in various societies in East Asia.
Note: A previous course in Asian politics is strongly advised.

POLI 432 Units: 1.5 Hours: 3-0
The Politics of Social Movements
Drawing on the fields of political science, sociology, social movement studies, critical theory, and political philosophy, this course focuses on the relationship between themes of cultural recognition and economic equality in contemporary social movement politics. Key concepts include ideology, new social movements, recognition, and redistribution.
Note: Credit will be granted for only one of 432 and 433, Issues in Politics: "Recognition, Redistribution and Social Movement Politics".
Prerequisites: one of 300C, 306, 305, 334, 335, or permission of the instructor.

POLI 433 Units: 1.5 or 3 Hours: 3-0
Issues in Politics (Seminar Course)
A seminar in selected contemporary political issues.
Note: May be taken more than once for credit in different topics with permission of the Chair.

POLI 442 Units: 1.5 Hours: 3-0
International Law (Seminar Course)
Introduction to the theory, practice and political foundations of international law.
Note: Credit will be granted for only one of 442, 342.
Prerequisites: 343 or permission of the instructor.
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 447 Units: 1.5 Hours: 3-0
International Relations in Asia (Seminar Course)
Relations among major political actors of Asia east of the Iran, including questions of security, economics, re-unification (China-Taiwan and the Korean peninsula), strategy, and the relations of these states with the US and the USSR. Each country will be examined from the perspective of its domestic politics, foreign policy, and political economy.
Note: Credit will be granted for only one of 447, 433 if 433 taken under the topic “Issues in Politics: International Relations in Asia.” A course on Asian politics or modern Asian history is strongly advised.

POLI 448 Units: 1.5 Hours: 3-0
Human Security in Asia
Conceptual and practical issues of human security in the Asia Pacific region, including such topics as: migration; human rights; arms control; food, water, and resource security; energy, communications and transport security; international terrorism; and transnational crime.
Note: Credit will be granted for only one of 448, 433 if 433 taken under the topic “Human Security in Asia”.

POLI 456 Units: 1.5 Hours: 3-0
The Politics of Information (Seminar Course)
A comparative analysis of the theoretical and policy issues surrounding the collection, treatment and disclosure of government information. Topics include: surveillance, privacy, access to information, press freedom and censorship.

POLI 458 Units: 1.5 Hours: 3-0
Topics in Environmental Politics (Seminar Course)
An examination of political factors shaping responses to selected global environmental issues.

POLI 461 Units: 1.5 Hours: 3-0
Contemporary Challenges to the Canadian State (Seminar Course)
An analysis of political, social, cultural, economic and technological forces which may profoundly affect the structure of the Canadian state, including supranational trade pacts, the Québec sovereignist 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
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
A fourth year seminar for Honours students only, which will deal with selected problems of the discipline and will help students to develop a critical approach to specialized materials. The seminar will also assist students in the preparation of a graduating essay. The essay must conform to acceptable standards of style and format, and must be submitted before the end of second term classes.

PORT
Portuguese
Department of Hispanic and Italian Studies
Faculty of Humanities

PORT 300 Units: 1.5 Hours: 3-0
Reading Portuguese
Designed for the attainment of reading proficiency in Portuguese. Basic Portuguese grammar taught in conjunction with texts of progressive complexity.
Prerequisites: Completion of two years of a second language.

PSYC
Psychology
Department of Psychology
Faculty of Social Sciences

PSYC 100A Units: 1.5 Hours: 3-0
Formerly: half of 100
Introductory Psychology: Biological and Cognitive Emphasis
An introduction to concepts, theories and research findings of modern psychology. Topics include psychological research methods, brain processes, perception, consciousness, cognition, and learning.
Note: Credit will be granted for only one of 100A, 100B. A minimum grade of C+ is required for the Major or Honours program.

PSYC 100B Units: 1.5 Hours: 3-0
Formerly: half of 100
Introductory Psychology: Social and Applied Emphasis
An introduction to concepts, theories and research findings of modern psychology. Topics include psychological development, personality, health psychology, psychological disorders, psychological therapies, and social behaviour.
Note: Credit will be granted for only one of 100B, 100C. 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 206.
Prerequisites: 100A and 100B, with a minimum GPA of 3.0 for both.

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
Pre- or corequisites: 100A and 100B.

PSYC 215A Units: 1.5 Hours: 3-0
Formerly: half of 230
Introduction to Biological Psychology
This course will deal with basic concepts of brain function in relation to behaviour. Topics will include basic aspects of neuronal functions, neuroanatomy, and behavioural genetics, as well as the functioning of the nervous system in relation to sensation, motor output, and at least one other aspect of behaviour.
Note: Credit will be granted for only one of 215A, 230. See Note 1, page 206.
Prerequisites: 100A and 100B, or second-year standing and 1.5 units of BIOL (or PE 141, 241A or 241B)

PSYC 300A Units: 1.5 Hours: 3-1
Formerly: half of 300
Statistical Methods in Psychology
Brief review of research methodology; univariate description, bivariate description, and an introduction to probability and inferential statistics as applied in Psychology. Introduction to microcomputer software and computer based analyses of the statistical procedures covered in the course.
Note: Credit will be granted for only one of 300A, 300B. See Notes 1 and 2, page 206, and “Credit Limit - Introductory Statistics Courses,” page 32.
Prerequisites: MATH 12 or 120 (or equivalent course in algebra) with a minimum grade of C; completion of core requirement for Psychology Majors and Honours, or declaration of Major or Honours program in Linguistics (BSc).

PSYC 300B Units: 1.5 Hours: 3-1
Formerly: half of 300
Statistical Methods in Psychology: II
Contains a brief review of the topics covered in 300A and deals with statistical analysis procedures for two-group and multi-group experimental designs. The focus is on t-tests and analysis of variance. The differences between repeated measures and independent groups designs and analyses are emphasized. Students are expected to analyze an experimental data set using the appropriate statistical procedures, and to prepare a research report.
Note: Credit will be granted for only one of 300B, 300. See Notes 1 and 2, page 206 and “Credit Limit - Introductory Statistics Courses,” page 32.
Prerequisites: A minimum grade of C in 300A; completion of core requirements for Psychology Majors and Honours, or declaration of Major or Honours program in Linguistics (BSc).
PSYC 311B
Units: 1.5
Hours: 3-0
Formerly: half of 311
Conditioning and Learning: Behavioural Emphasis
An analysis of the acquisition, maintenance and modification of behaviour in terms of observational environmental determinants. Respondent and operant conditioning; positive and negative reinforcement; extinction; shaping; reinforcement schedules; generalization and discrimination; escape and avoidance; punishment. Review of basic animal research; training to apply behavioural principles to understand everyday human behaviour.
Note: Credit will be granted for only one of 311B, 311.
Prerequisites: 100A, 100B, and either 201 or third-year standing, or permission.

PSYC 313
Units: 1.5
Hours: 3-0
Formerly: 313A and 313B
Cognitive Psychology
The basic approach to studying cognitive processes will be explained. Topics include pattern recognition, attention, memory, language, categorization, problem solving, reasoning and decision making.
Note: Credit will not be granted for 313 and 313A, 313B.
Prerequisites: 100A and 100B, and 201 or third-year standing.

PSYC 315
Units: 1.5, formerly 3 Hours: 3-0
Introduction to Human Neuropsychology
An introduction to neuroanatomy and neurophysiology as related to human and animal brain function and behaviour. Consideration of the contributions of neuropsychology, experimental and clinical neuropsychology to the understanding of normal cognitive and affective functioning and of disturbances resulting from brain damage in selected areas.
Prerequisites: 100A, 100B and 215A.

PSYC 317A
Units: 1.5
Hours: 3-0
Sensation and Psychophysics
This course covers the physical basis of human sensory processing. The physiology of the visual, auditory and sensory systems is covered with an emphasis on functional models of sensory system operation. Course material also includes topics related to the measurement of sensory experience. The four classic psychophysical problems of detection, recognition, discrimination and scaling are covered with an emphasis on their mathematical and statistical basis.
Note: Credit will be granted for only one of 317A, 317.
Prerequisites: 100A, 100B and 215A.

PSYC 317B
Units: 1.5
Hours: 3-0
Formerly: half of 317
Human Perception
An introduction to how our perceptual world is constructed from the input provided by our physical sensory structures. Topics include the construction of spatial percepts, the perception of form and art, and individual differences in perceptual experience. The emphasis is on the hypothesis testing aspects of our perceptual experience.
Note: Credit will be granted for only one of 317B, 317.
Prerequisites: 100A and 100B, and either 215A or 317A.

PSYC 320
Units: 1.5
Hours: 3-0
Evolutionary Psychology
Provides an overview and history of the field of evolutionary psychology and includes evolutionary perspectives on psychological topics such as learning, cognition, consciousness, social behaviour, families and culture.
Prerequisites: 100A, 100B, 201, 210, and 215A.

PSYC 323
Units: 1.5
Hours: 3-0
Advanced Biopsychology
This is an advanced course on the physiological basis of behaviour. The initial portion will cover the fundamentals of neurophysiology and neuroanatomy from a functional perspective, with an emphasis on the anatomy of the human nervous system. The latter portion will examine the physiological basis of behaviour through review of contemporary research in areas such as sleep, reproduction, aggression, ingestion, learning and memory, motivation, and mental disorders.
Prerequisites: 100A, 100B, and 215A.

PSYC 324
Units: 1.5
Hours: 3-0
Formerly: 424
Human Psychophysiology
Physiological correlates of behaviour in the intact human subject. Topics include the autonomic nervous system; basis and principles of polygraph measurement; physiological correlates of attention and cognitive activity; the role of physiological activity in emotion; physiological effects of stress; sleep and hypnosis; 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 theories 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, com-
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Units:</th>
<th>Hours:</th>
<th>Pre- or corequisites:</th>
<th>Grading:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 324</td>
<td>1.5</td>
<td>3-0</td>
<td>100A and 201 or 210.</td>
<td>COM, N, O</td>
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<tr>
<td>Formerly: half of 343.</td>
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<tr>
<td>Theories and Methods in Life-Span Developmental Psychology</td>
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<tr>
<td>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.</td>
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<td>Note: Credit will be granted for only one of 343, 235.</td>
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<tr>
<td>PSYC 345</td>
<td>1.5</td>
<td>3-0</td>
<td>100A, 201B, 201 and 210.</td>
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<td>Drugs and Behaviour: Basic Principles</td>
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<td>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.</td>
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<td>Note: Credit will be granted for only one of 345A, 345.</td>
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<td>PSYC 350</td>
<td>1.5</td>
<td>3-1</td>
<td>100A, 201B and 215A.</td>
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<tr>
<td>Environmental Psychology</td>
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<tr>
<td>Human interaction with the physical environment from a psychological perspective. Topics include environmental perception, cognition, and assessment; personality and environment; the dynamics of social space; the effects of temperature, sound, light and spatial arrangements in neighbourhoods, homes, schools and workplaces; mutual influences of individuals and the natural environment, the design of buildings, and resource management.</td>
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<td>Note: Credit will be granted for only one of 350, 215A.</td>
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<tr>
<td>PSYC 360</td>
<td>1.5</td>
<td>3-0</td>
<td>100A, 201B, 215A.</td>
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<tr>
<td>Psychological Disorders of Adulthood</td>
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<td>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.</td>
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<td>Note: Credit will be granted for only one of 360, 430.</td>
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<tr>
<td>PSYC 361</td>
<td>1.5</td>
<td>0.5-2.5</td>
<td>100A, 201B, 215A.</td>
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<td>Field Placement in Psychology</td>
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<td>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.</td>
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<td>Note: Credit will be granted for only one of 361, 430.</td>
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<tr>
<td>PSYC 365</td>
<td>1.5</td>
<td>3-0</td>
<td>100A and 210 or 201.</td>
<td>COM, N, O</td>
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<tr>
<td>Fundamentals of Clinical Psychology</td>
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<td>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.</td>
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<td>Note: Credit will be granted for only one of 365, 432.</td>
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<tr>
<td>PSYC 366</td>
<td>1.5</td>
<td>3-0</td>
<td>100A and 210.</td>
<td>COM, N, O</td>
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<tr>
<td>Psychological Disorders of Childhood and Adolescence</td>
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<td>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.</td>
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<td>Note: Credit will be granted for only one of 366, 436.</td>
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<tr>
<td>PSYC 370A</td>
<td>1.5</td>
<td>3-0</td>
<td>100A, 201B and 215A.</td>
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<td>Psycholinguistics</td>
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<tr>
<td>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.</td>
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<td>Note: Credit will be granted for only one of 370, 370A, LING 370, LING 370A.</td>
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<tr>
<td>PSYC 370B</td>
<td>1.5</td>
<td>3-0</td>
<td>100A, 201B or permission of the instructor.</td>
<td>COM, N, O</td>
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<tr>
<td>Developmental Psycholinguistics</td>
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<tr>
<td>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.</td>
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<tr>
<td>Note: Credit will be granted for only one of 370B, 369, LING 369, LING 370B.</td>
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<tr>
<td>PSYC 380</td>
<td>1.5</td>
<td>3-0</td>
<td>100A and 201B or permission of the instructor.</td>
<td>COM, N, O</td>
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<td>Psychology and Law</td>
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<td>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.</td>
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<tr>
<td>PSYC 390</td>
<td>1.5</td>
<td>3-0</td>
<td>100A, 201B, and 210.</td>
<td>COM, N, O</td>
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<tr>
<td>Independent Study in Psychology</td>
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<td>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.</td>
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<td>Notes: May be taken more than once for credit in different topics.</td>
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<td>- The maximum credit for 390 and 490 together must not exceed 6.0 units unless permission of the Chair of the Department is obtained.</td>
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<tr>
<td>Prerequisites: 100A, 201B, 201, third-year standing and a minimum GPA of 5.50 in the last 15 units attempted.</td>
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<tr>
<td>PSYC 391</td>
<td>1.5</td>
<td>3-0</td>
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<tr>
<td>Special Topics in Psychology</td>
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<tr>
<td>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.</td>
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<tr>
<td>F01: Psychology of Criminal Justice Processes</td>
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<tr>
<td>Prerequisites: 100A, 201B, 201 and third-year standing.</td>
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<tr>
<td>PSYC 400A</td>
<td>1.5</td>
<td>2-2</td>
<td>100A, 201B, 300B and permission of the instructor.</td>
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<tr>
<td>Advanced Statistical Methods: The General Linear Model</td>
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<tr>
<td>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.</td>
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<td>Prerequisites: 100A, 201B, 300B and permission of the instructor.</td>
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<tr>
<td>PSYC 401</td>
<td>1.5</td>
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<tr>
<td>Measurement of Psychological Processes</td>
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<td>The measurement of individual differences, especially personality and ability traits. The focus will be on reliability and validity - how do we know whether, and to what degree, a psychological measure is reliable and valid? Topics include designs for estimating reliability and validity, advanced correlation, and current problems and issues in the field.</td>
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<tr>
<td>Note: The course does not teach how to give psychological tests.</td>
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<td>Prerequisites: 100A, 201B, a minimum grade of C in both 201 and 300A and permission of the instructor.</td>
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<tr>
<td>PSYC 412A</td>
<td>1.5</td>
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<td>312A.</td>
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<td>Behaviour Analysis: Complex Behaviour</td>
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<tr>
<td>Interpretative analyses of complex human behaviour from a behaviour-analytical perspective. Topics may include attending, thinking, remembering, and verbal behaviour.</td>
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<tr>
<td>Note: Credit will be granted for only one of 412A, 312.</td>
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<tr>
<td>Prerequisites: 100A and 201B and either 311B or permission of the instructor.</td>
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<tr>
<td>PSYC 412B</td>
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<td>Behaviour Analysis: Applied Research</td>
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<tr>
<td>Survey and critical evaluation of recent research in applied behaviour analysis. Topics may include applications to children, developmental disabilities, community, sports, business, and substance abuse.</td>
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<tr>
<td>Prerequisites: 100A and 201B and either 338 or permission of the instructor.</td>
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Cognitive Control

Vision

Behaviour Analysis: Basic Research

Survey of recent research in the experimental analysis of behaviour. Focus is on complex human behaviour. Topics may include stimulus equivalence, verbal behaviour, rule-governed behaviour, fluency, problem solving, and novelty.

Prerequisites: 100A and 100B and either 311B or permission of instructor.

PSYC 413A

Units: 1.5

Hours: 3-0

Memory

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of human memory. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

Prerequisites: 100A, 100B and 313.

PSYC 413B

Units: 1.5

Hours: 3-0

Consciousness

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of consciousness. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

Prerequisites: 100A, 100B and 313.

PSYC 413C

Units: 1.5

Hours: 3-0

Vision

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of human vision. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

Prerequisites: 100A, 100B and 313.

PSYC 413D

Units: 1.5

Hours: 3-0

Cognitive Control

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of cognitive control (i.e., how people regulate their attention, thoughts, and actions in accord with their goals). Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

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.

Notes:

- Credit will be granted for only one of 415B, 415.
- Pre-requisites: 100A, 100B, 215A and one of 323, BIOL 345, BIOL 365.
- Pre-requisites: 100A, 100B and 331.
- Prerequisites: 100A, 100B and 340.
- Prerequisites: 100A, 100B, 201, and one of the 300-level developmental courses 335, 336, 339, or 342.
- Prerequisites: 100A, 100B, 201, 315 or 335, and third-year standing.

2006-07 UVIC Calendar

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 traditionally related to contemporary social, cultural, political and economic issues such as gender, death, ecology, work and the market economy.

RS 302 Units: 1.5 Hours: 3-0
Ways of Understanding Religion
An examination of how the methods and understandings of disciplines such as Anthropology, History, Philosophy, Psychology, and Sociology contribute to the study of religion.

RUSS

Russian Department of Germanic and Russian Studies
Faculty of Humanities
Courses offered by the Department of Germanic and Russian Studies are also found under the following course code: SLAV (Russian Studies).

RUSS 100A Units: 1.5 Hours: 3-0
Formerly: first half of 100
Beginner's Russian I
Introduction to the fundamentals of Russian grammar, basic reading, writing, and conversational skills. Includes practice in the Language Centre.
Note: Credit will be granted for only one of 100A, 100B. No prior knowledge of Russian is required.

RUSS 100B Units: 1.5 Hours: 3-0
Formerly: second half of 100
Beginner's Russian II
Continuation of 100A. Development of basic reading, writing and conversational skills. Practice in the Language Centre will reinforce basic speech patterns and idioms.
Note: Credit will be granted for only one of 100B, 100. Prerequisites: 100A or permission of the Department.

RUSS 161 Units: 1.5 Hours: 3-0
The Culture of the Russian Revolution
An exploration of the literature, film and art produced by the revolution that shook the world. Introduction to Russian's rich contribution to modern world culture and an investigation of the experiments of the Russian avant-garde. Texts and films may include: Mayakovskiy (et al), A Slap in the Face of Public Taste; Zamyatin, We; Eisenstein, Battleship Potemkin; Pudovkin, The End of St. Petersburg; and Malevich, Suprematism.
No knowledge of Russian required.

RUSS 200A Units: 1.5 Hours: 3-0
Formerly: first half of 200
Intermediate Russian I
A continuation of 100A and 100B designed to complete the fundamentals of Russian grammar and develop basic skills to the intermediate level.
Note: Credit will be granted for only one of 200A, 200B. Prerequisites: 100A and 100B, or permission of the Department.

RUSS 200B Units: 1.5 Hours: 3-0
Formerly: second half of 200
Intermediate Russian II
A continuation of 200A designed to develop basic reading, writing, and conversational skills to the intermediate level.
Note: Credit will be granted for only one of 200B, 200. Prerequisites: 200A or permission of the Department.

RUSS 203 Units: 1.5, formerly 3 Hours: 3-0
Oral and Written Practice
Oral and written practice in Russian, based on contemporary topics and selected popular texts.
Prerequisites: 100, or 100A and 100B, or permission of the Department.

RUSS 200A Units: 1.5 Hours: 3-0
Formerly: first half of 302
Advanced Russian I
This course is designed to improve students mastery of the spoken and written language. The emphasis is on informal grammar review, conversation, reading, composition and comprehension.
Note: Credit will be granted for only one of 300A, 302.
Prerequisites: 200A and 200B or 203, or permission of the Department.

RUSS 300B Units: 1.5 Hours: 3-0
Formerly: second half of 302
Advanced Russian II
A sequel to RUSS 300A, designed to improve students mastery of the spoken and written language. The emphasis is on informal grammar review, conversation, reading, composition, and comprehension.
Note: Credit will be granted for only one of 300B, 302.
Prerequisites: 300A or permission of the Department.

RUSS 301A Units: 1.5 Hours: 3-0
Formerly: part of 301
Russian Cultural History: I
A survey of Russian culture from the beginnings to 1917. Lectures will focus on major developments in literature, folklore, philosophy, religion, music, art and architecture, as seen against the background of Russia's historical past.
Note: Credit will be granted for only one of 301A, 301. No knowledge of Russian required.

RUSS 301B Units: 1.5 Hours: 3-0
Formerly: part of 301
Russian Cultural History: II
A survey of Russian culture from 1917 to the present. Lectures will focus on major developments in literature, religion, music and art in an attempt to give students a cultural perspective for understanding the Bolshevik socialist experiment and Russia's post-communist transition.
Note: Credit will be granted for only one of 301B, 301. No knowledge of Russian required.

RUSS 303 Units: 1.5, formerly 3 Hours: 3-0
Advanced Russian Conversation and Practice I
Designed to improve students mastery of the spoken and written language and to enhance reading skills based on major works of literature. The course is conducted mainly in Russian.
Note: Credit will be granted for only one of 303, 303B, 302.
Prerequisites: 200A and 200B or 203, or permission of the Department.

RUSS 304A Units: 1.5 Hours: 3-0
Formerly: part of 304
Cinema in the Soviet and Post-Soviet Periods: I
A survey of selected films including early cinema classics and subsequent productions that illustrate cultural movements and political changes leading to the major transition from Communist ideology to Glasnost and perestroika in 1987.
Note: Credit will be granted for only one of 304A, 304. No knowledge of Russian required.

RUSS 304B Units: 1.5 Hours: 3-0
Formerly: part of 304
Cinema in the Soviet and Post-Soviet Periods: II
With continuous reference to successive examples of pre-glasnost film-making from the early 1900s to the present time, a survey of films that have emerged from the post-1991 Commonwealth of Independent States.
Note: Credit will be granted for only one of 304B, 304. No knowledge of Russian required.

RUSS 308A Units: 1.5 Hours: 3-0
Formerly: part of 308
Russian Literature in Translation: I
A survey of Russian literature from its beginnings to 1917. This is a required course for Russian major students to be taken in their third or fourth year and in the same winter session as 308B.
Note: Credit will be granted for only one of 308A, 308. No knowledge of Russian required.

RUSS 308B Units: 1.5 Hours: 3-0
Formerly: part of 308
Russian Literature in Translation II
A survey of Russian literature from 1917 to the present. This is a required course for Russian major students to be taken in their third or fourth year and in the same winter session as 308A.
Note: Credit will be granted for only one of 308B, 308. No knowledge of Russian required.

RUSS 310 Units: 1.5 Hours: 3-0
Formerly: part of 414
Tolstoy
The major works of Tolstoy will be studied against the background of his life and times.
Note: Credit will be granted for only one of 310, 412, 413, 414. No knowledge of Russian required.

RUSS 311 Units: 1.5 Hours: 3-0
Formerly: part of 412, 413, and 414
Dostoevsky
The major works of Dostoevsky will be studied against the background of his life and times.
Note: Credit will be granted for only one of 311, 412, 413, 414. No knowledge of Russian required.

RUSS 312 Units: 1.5 Hours: 3-0
Chekhov
The major works of Chekhov will be studied against the background of his life and times.
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 tragicomedy, satire, fantasy and burlesque. Texts and films may include works by Gogol, Chekhov, Ryazanov and Mamin.

**Note:** May count towards Minor in Film Studies. No knowledge of Russian required.

**RUSS 400A** Units: 1.5 Hours: 3-0
Formerly: first half of 406
**Advanced Grammar and Stylistics I**
An advanced course in the use of Russian, both written and spoken. 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.

**Note:** Credit will be granted for only one of 400B, 406.

**Prerequisites:** 400A or permission of the Department

**SCIE 290** Units: 1.5
**Individual Study**
Granted only by special permission of the Dean, on recommendation of the department.

**SCIE 390** Units: 1.5
**Individual Study**
Granted only by special permission of the Dean, on recommendation of the department.

**SEA**
**Southeast Asia**

**SEA 100A** Units: 1.5 Hours: 3-1
**Introduction to Indonesian-Malay:**
Indonesian-Malay for students with no previous knowledge of the language with emphasis on developing listening comprehension and speaking ability; common conversational patterns, as well as some of the cultural reasoning behind them. Reading and writing will also be introduced.

**Note:** Limited to 25 students per section.

**SEA 100B** Units: 1.5 Hours: 3-1
**Introduction to Indonesian-Malay:**
Basic conversations and grammar in Indonesian-Malay and readings of a variety of elementary textual materials.

**Note:** Limited to 25 students per section.

**Prerequisites:** A minimum grade of B in 100A or permission of the instructor.

**SEA 200** Units: 3.0 Hours: 3-1
**Intermediate Indonesian-Malay**
A continuation of 100B for students who wish to improve their comprehension, speaking, reading and writing abilities in Indonesian-Malay.

**Note:** Limited to 25 students.

**Prerequisites:** A minimum grade of B in 100B or permission of the instructor.

**SEA 201A** Units: 1.5 Hours: 3-0
Formerly: half of 201
**Southeast Asian Cultures and Societies: I**
A survey of cultural developments in Southeast Asia from earliest times to the 19th century. Students will read a number of key religious, literary and dramatic texts.

**Note:** Credit will be granted for only one of 201A, 201.

**SEA 201B** Units: 1.5 Hours: 3-0
Formerly: half of 201
**Southeast Asian Cultures and Societies: II**
Examines the development of modern Southeast Asia cultures, paying particular attention to media such as the press, popular music, theatre, film and television. Explores the historical development of these cultures, their linkages to social trends and economic structures, and the political constraints within which they must operate.

**Note:** Credit will be granted for only one of 201B, 201.

**Prerequisites:** 201A or permission of the instructor.

**SEA 300** Units: 3.0 Hours: 6-2
Formerly: 249
**Advanced-Intermediate Indonesian-Malay**
An advanced intermediate level course designed to increase proficiency in colloquial, literary, and journalistic Indonesian-Malay. Audiovisual materials, short stories, plays, advertisements, interviews, and magazine and newspaper articles will be read, discussed, and written about. Equal emphasis on speaking, reading, writing, and listening comprehension.

**SEA 320** Units: 1.5 Hours: 3-0
Also: THEA 328
**The Theatre of Indonesia**
A survey of the theatre of Indonesia. Examines dance, ritualistic dance, traditional puppet theatre, Jewish and Hindu theatre, and Javanese and Madura dance. Taught in English. All texts in English or English translation.

**Note:** Credit will be granted for only one of 320B, 302, 302A.

**Prerequisites:** Third-year standing or permission of the instructor.

**SEA 324** Units: 1.5 Hours: 3-0
**Southeast Asian Cinema**
A survey of trends in the cinema of Indonesia, Thailand, the Philippines, and Malaysia/Singapore. Will examine issues such as colonial experience, post-colonial identity, gender representations, modes of social criticism, as well as problems of cinematic form, production, and distribution.

**Prerequisites:** Second-year standing or permission of the instructor.

**SEA 481** Units: 1.5 or 3.0
**Special Topics**
May be offered as a reading course, a tutorial or a seminar in Southeast Asian language, literature or culture. Consult appropriate members of the Department concerning selection of topics.

**Note:** May be taken more than once for credit in different topics to a maximum of 6 units.

**Prerequisites:** 200 or equivalent, 201A and 201B (or 201), 302A and 302B (or 302 or 202) or permission of the instructor.


**COURSE LISTINGS**

**SENG**

**Software Engineering**

**Software Engineering**

Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), CSC (Computer Science), ELEC (Electrical Engineering), ENGR (Engineering) and MECH (Mechanical Engineering).

**SENG 130** Units: 1.5 Hours: 3-1

**Engineering Software Systems**

Introduces students to the world of computing, communications, and different types of software systems, including information systems, database systems, operating systems, network-centric systems, Web-based systems and applications. Students will be exposed to fundamentals of software engineering design, ethics and problem-solving methods. Topics include network management, Web services, electronic commerce, security, privacy, markup and scripting languages, hypermedia and Web integration.

Prerequisites: CSC 110.

**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 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: 1.5 Hours: 3-1

**Software Architecture and Systems**

An introduction to analysis and design of software architectures with UML (Unified Modeling Language) and their subsequent synthesis within component frameworks. Topics include architecture description languages, modeling techniques and tools, model driven code engineering, scalable software architectures, component-based software development, interfaces, libraries, event-driven programming, middleware and integration testing.

Note: Credit will be granted for only one of 271, 221. Pre- or corequisites: 265.

**SENG 310** Units: 1.5 Hours: 3-0

**Human Computer Interaction**

Understanding human behaviour as it applies to user interfaces: work activity analysis, observational techniques, questionnaire administration and unobtrusive measures. Operating parameters of the human cognitive system, task analysis and cognitive modelling techniques and their application to designing interfaces. Interface representation and prototyping tools. Cognitive walkthroughs, usability studies and verbal protocol analysis. Case studies of specific user interfaces.

Prerequisites: 221 or 265 or CSC 265 or third-year standing in the Computer Engineering degree program.

**SENG 315** Units: 1.5 Hours: 3-1

**Information and Knowledge Management**

Uses the idea of information as a unifying theme to investigate a range of issues in software engineering, including database systems, artificial intelligence, human-computer interaction, multimedia system, and data communication.

Prerequisites: 265 or third-year standing in the Computer Engineering degree program.

**SENG 321** Units: 1.5 Hours: 3-1

**Requirements Engineering and Formal Specifications**

Combines a range of topics integral to the analysis of requirements, design, implementation, and testing of a medium-scale software system with the practical experience of implementing such a project as a member of a software engineering team. Introduces requirements engineering, specifications, software life cycle models and formal methods for requirements engineering.

Prerequisites: 265 or third-year standing in the Computer Engineering degree program.

**SENG 330** Units: 1.5 Hours: 3-0

**Object-Oriented Software Development**


Prerequisites: 265 or third-year standing in the Computer Engineering degree program.

**SENG 360** Units: 1.5 Hours: 3-1

**Security Engineering**

The fundamentals of contemporary computer security and cryptography. Topics include an overview of computer security, protection, disaster planning, and recovery. Risk analysis and security plans. Basics of cryptography. Public key cryptography and protocols. Security models, kernel design and systems testing. Database, network and Web security. The course discusses applications which need various combinations of confidentiality, availability, integrity and correctness properties; mechanisms to incorporate these properties in systems. Policy and legal issues are also covered.

Prerequisites: 271 or 365, and CSC 360.

**SENG 371** Units: 1.5 Hours: 3-1

**Software Evolution**

Introduces problems and solutions of long-term software maintenance/evolution and large-scale, long-lived software systems. Topics include software engineering techniques for programming-in-the-large, programming-in-the-many, legacy software systems, software architecture, software evolution, software maintenance, reverse engineering, program understanding, software visualization, advanced issues in object-oriented programming, design patterns, antipatterns, 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 that arise in the context of Software Engineering.

Note: Credit will be granted for only one of 401, 400, ENGR 297.

Prerequisites: Fourth-year standing.

**SENG 410** Units: 1.5 Hours: 3-3

**Media Applications**

The influence of technology, especially digital technology, on how we express ourselves, how we communicate with each other, and how we perceive, think about, and interact with our world. The invention and creative use of enabling technologies for understanding and expression by people and machines. Topics include: digital video representations; three-dimensional images; multimedia; computational tools and media that help people learn new things in new ways (tele-learning); knowledge representation; machine interpretation of sensory data.

Prerequisites: Fourth-year standing in the Faculty.

**SENG 412** Units: 1.5 Hours: 3-1.5

**Ergonomics**

Accidents associated with “human error” often reflect the failure to recognize human factors in the design stage. This course reviews sensory, motor, and cognitive performance characteristics and derives human engineering design criteria. Principles of displays, controls and ergonomics are discussed.

Prerequisites: Fourth-year standing in the Faculty.

**SENG 422** Units: 1.5 Hours: 3-3

**Software Architecture**

Architectural design of complex software systems. Techniques for designing, evaluating and implementing software system structures, models and formal notations for characterizing and reasoning about 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

**System Reliability**

Interpretations of the concept of probability. Basic probability rules; random variables and distribution functions; functions of random variables. Applications to quality control and the reliability assessment of software and mechanical/electrical components, as well as simple structures and redundant systems. Uncertainty propagation in complex systems. Examples and applications.

Note: Credit will be granted for only one of 424, CSC 454.

Prerequisites: Fourth-year standing in the Faculty.

**SENG 426** Units: 1.5 Hours: 3-1

**Software Quality Engineering**

This course emphasizes software quality engineering as an integral facet of development, from requirements through delivery and maintenance. The 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: 3-0
Embedded Systems

Prerequisites: CENG 355 or CSC 355.

SENG 450 Units: 1.5 Hours: 3-0
Network-Centric Computing
Trends in conducting business electronically and currently available products to support electronic commerce. Electronic brokers; intelligent agents. Technologies necessary for electronic commerce to achieve its potential. Standards to improve the integration of desktop clients with centralized computing servers to allow better leverage of existing hardware/software, and to achieve reduction of user training costs. Backups, network security, network management, performance management and recovery.

Prerequisites: 330 and CSC 360.

SENG 454 Units: 1.5 Hours: 3-1
Component-Based Software Engineering
Building large-scale and complex software systems from available parts by consistently increasing return on investment and time to market, while assuring high quality and reliability. The course offers advanced topics on software components and component-based software engineering from research and practice.

Prerequisites: 371 and 435.

SENG 462 Units: 1.5 Hours: 3-0-1
Distributed Systems and the Internet

Prerequisites: 330, CSC 360 or CENG 460.

SENG 466 Units: 1.5 Hours: 3-1
Software for Embedded and Mechatronics Systems
Software engineering methods and techniques for systematic development and maintenance of embedded and mechatronic systems. Topics include requirements of software that drives mechatronic systems, specifications of mechatronics, real-time and reactive systems, validation, verification, simulation and testing of mechatronic systems. Building product-line software architectures of mechatronic systems is also addressed.

Prerequisites: One of 271, 321 or 365
SENG 470 Units: 1.5 Hours: 3-0
Management of Software Development

Prerequisites: 265 or 365 or CSC 265.

SENG 472 Units: 1.5 Hours: 3-1
Software Process
Software process design, modeling, implementation, management, assessment and improvement as well as other non-process factors that affect software quality. ISO 9001, SEI's CMM. Group projects involving industry-relevant software process definition and assessment. Individual study of the research literature. ROI (Return on Investment) analysis.

Prerequisites: 265 or CSC 265.

SENG 474 Units: 1.5 Hours: 3-1
Data Mining
An introduction to data mining. Data preparation, model building, and data mining techniques such as clustering, decisions trees and neural networks will be discussed and applied to case studies. Data mining software tools will be reviewed and compared.

Prerequisites: 265.

SENG 480 Units: 1.5 Hours: 3-0
Topics in Software Engineering
The topics in this course depend primarily on the interests of the instructor. Entrance to the course will be restricted to third and fourth-year students who meet the prerequisites specified for the topic to be offered. Some topics may require laboratory work as well as lectures.

Note: Offered as SENG 480A, 480B, 480C, 480D. May be taken more than once for credit in different topics with the permission of the Chair of the student's Program Department.

SENG 490 Units: 1.5 or 3
Directed Studies
Note: Students must consult their Program Department before registering. May be taken more than once for credit in different topics with permission of the Chair of the student's Program Department.

SENG 499 Units: 1.5 Hours: 0-6
Technical Project
The student is required to pursue an independent project under the supervision of a faculty member, to prepare a written report and present 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

Russian Studies

Department of Germanic and Russian Studies

Faculty of Humanities

SLAV 334 Units: 1.5 or 3 Hours: 3-0
Topics in Cultural Development
Variable topics in cultural development, including cinema, linguistic and ethnographic traits, selected in accordance with student interest and the availability of an instructor.

Notes: - This course is given in English. No knowledge of a Slavic language required. - May be taken twice in different topics to a maximum of 6 units. Open to all students.

SLAV 390 Units: 1.5 or 3
Directed Studies in a Slavic Language
May be offered as a reading or grammar course at any level, from introductory to advanced. The language may be Russian or another Slavic language. May also be offered as an introduction to teaching methodology in the Russian language.

Note: May be taken more than once for credit in a given language to a maximum of 6 units.

Prerequisites: Permission of the Department.
COURSE LISTINGS

SNSC
Social and Natural Sciences

Education
Department of Curriculum and Instruction
Faculty of Education

Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDCI, IA, ME, PE, SNSC, TL.

SNSC 145A Units: 1.5 Hours: 3-0
Formerly: ED-E 145A
Physical Science
Topics from physics as applied in the elementary school science curriculum; focus is on general understanding of principles and concepts.

Note: Credit will be granted for only one of 145A, ED-E 145A.

SNSC 145B Units: 1.5 Hours: 3-0
Formerly: ED-E 145B
Earth Science
Topics from astronomy, geology, meteorology and oceanography as applied in the elementary school science curriculum; focus is on general understanding of principles and concepts.

Note: Credit will be granted for only one of 145B, ED-E 145B.

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 210) has been satisfied.

SOCI 100 Units: 1.5 Hours: 3-0
Introduction to Sociology
Introduces students to the discipline of sociology, beginning with an overview of sociological theory and methods. The main part of the course focuses on key substantive areas of the discipline, and compares current Canadian sociological data with findings from elsewhere. Students learn to see themselves and the world in which they live through various sociological perspectives.

SOCI 103 Units: 1.5 Hours: 3-0
Formerly: half of 200
Canadian Society
The origins, development, and structure of Canadian society analyzed in terms of the new Canadian political economy. Examples of questions which may be addressed are: What kind of society exists in Canada? How did it come to acquire its unique features? What role has immigration played in Canada’s development? What kinds of social inequality exist in Canada and why?

Note: Credit will be granted for only one of 103, 200.

SOCI 202 Units: 1.5 Hours: 3-0
Introduction to Social Problems
The problematic influences of interest groups, mass media and ideological constructions are analyzed as contributors to issues involving: basic needs, intergroup relations, and Canadian relations with low income countries.

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, 209, 375.
- Students with credit in both 374 and 376 or 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 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, 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; religion and the social position of women; religion and political conflict; the process of the decline of religion in contemporary societies.

SOCI 311 Units: 1.5 Hours: 3-0
Religion and Society
A discussion of the concept of ideology in various theoretical perspectives, such as Marxian, 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, the organization and management of work, the conditions of unions and industrial relations in Canada and elsewhere, and the more personal context of work.

SOCI 322 Units: 1.5 Hours: 3-0
Formerly: part of 323 and 325
Sociology of Groups and Organizations
An overview of theories and research on groups and organizations from the discipline of sociology. Includes a survey of the classic studies on small groups and large organizations, as well as discussion of ongoing issues in methodology and theory.

Note: Credit will be granted for only one of 322, 323, 325.
SOCI 326 Units: 1.5 Hours: 3-0
Social Networks
The major models, methods, and findings of network analysis. The following areas may be discussed: friendship, social influence and status, small groups, communication and diffusion of information, corporate and community organization, social and economic mobility, and computer analysis of network data.
Prerequisites: 211

SOCI 328 Units: 1.5 Hours: 3-0
Issues in the Sociology of Equity and Diversity
Studies of theory, research, and policy issues in equity and diversity.

SOCI 331 Units: 1.5 Hours: 3-0
Formerly: half of 330
Political Sociology
Study of the social bases (e.g. region, class, religion, ethnicity, language, culture) of political behaviour.
Note: Credit will be granted for only one of 331, 330.

SOCI 332 Units: 1.5 Hours: 3-0
Formerly: half of 330
Elites and Society
Study of institutional elites (e.g. business, labour, state, media, church, educational, military) and their roles in society.
Note: Credit will be granted for only one of 332, 330.

SOCI 335 Units: 1.5 Hours: 3-0
Racialization and Ethnicity
Using mainly Canadian examples, 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
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 355 Units: 1.5 Hours: 3-0
The Corporation and Society
The corporation as a basic institution in modern Western societies; its development in Canada and elsewhere; its impact on other institutions, including the family, education, the state and social class.

SOCI 365 Units: 1.5 Hours: 3-0
Sociology of Leisure
Conceptual problems in the identification of leisure. The production, consumption and distribution of leisure. The emergence of leisure defined lifestyles. The study of selected leisure activities.

SOCI 371A Units: 1.5 Hours: 3-1
Formerly: 371
Statistical Analysis in Sociology: I
Descriptive statistics, probability distributions, statistical inference, including estimation and significance tests, and an introduction to bivariate statistical analysis. Computer assisted analysis of sociological data.
Note: Credit will be granted for only one of 371A, 371. Course restricted to students in a Sociology program or Leisure Service Administration; if space permits, other students may be permitted to register.
Prerequisites: 211 and MATH 120 or Mathematics 12 (or equivalent) with a minimum grade of C, or comple-
COURSE LISTINGS

SOCI 443 Units: 1.5 Hours: 3-0
Formerly: 340
Population Problems and Policies
A review of contemporary population trends, their effects on human well-being, and social policy responses. Topics include: population growth, sustainable development, and the environment; population aging; marriage, cohabitation and divorce; new reproductive technology; population and gender; immigration; urbanization and human crowding.
Note: Credit will be granted for only one of 443, 340, 342. In the absence of previous coursework in demography, students are strongly advised to complete 343 prior to taking 443.

SOCI 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.

SOCI 465 Units: 1.5 Hours: 3-0
Environmental Sociology
Exploration of how social relationships structure human interaction with the natural environment. May include the following: race, class and gender in environmental analysis; assumptions and interests located in current conceptualizations of environmental issues and solutions; institutional and non-institutional agency in environmental problems and responses.

SOCI 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

SOCI 481 Units: 1.5 Hours: 3-0
Feminist Theory
Introduction to historical and contemporary trends in feminist theory which traces the development of individual theoretical perspectives and explores the ways in which these trends overlap and interact.
Prerequisites: 210 or 308 or WS 301

SOCI 488 Units: 1.5 Hours: 3-0
Sociology of Death and Dying
Sociological approaches to death and dying. Topics may include: demographic patterns of mortality; various definitions of death; dying in institutional and familial contexts; funerals and memorials; grief and mourning; legal, economic, and political aspects of death; euthanasia and suicide; murder; terrorism; war and disasters.
Note: Students are strongly encouraged to take 385 before registering in this course.

SOCI 490 Units: 1.0-3.0
Directed Studies
This course may be submitted for an elective course in Sociology in the Fourth Year of the Honours Program with the permission of the Department.

SOCI 499 Units: 3.0
Honours Seminar and Graduating Essay
Honours students are permitted to audit this seminar in the Third Year and are required to take the seminar for credit in the Fourth Year.

SOCW

Social Work
School of Social Work
Faculty of Human and Social Development

SOCW 200A Units: 1.5 Hours: 3-0
An Introduction to Social Work Practice
This course will introduce students to the practice of social work beginning with a critical examination of the ethics, values and historical development of the profession. Students will become familiar with several critical social theories that inform anti-oppressive social work practice. The relationship between private troubles and public issues as well as the concepts of power, oppression, privilege, identity and social justice will be explored. This course emphasizes self-reflection which will assist students in examining their identities and their interest, motivation and capacity for social work practice.

SOCW 200B Units: 1.5 Hours: 3-0
Introduction to the Critical Analysis of Social Welfare in Canada
A critical introduction to the study of Canadian social welfare policy. The course will explore the assumptions and ideological perspectives with which these trends overlap and interact. 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 I
In the first BSW practicum (315 hours) students: practice social work under supervision in an agency setting; apply the rate and translate theories into practice; and experience the economic, political and policy constraints on practice.
Note: There is a required concurrent Online Integrative Practice Seminar included in this practicum.
Pre- or corequisites: SOCW 300 or 323. Students registered in a concurrent section of 323 may register in a S 304 section only. (The F, Y and K sections are only available to those students who have completed 323.)
Grading: INP, COM, N, or F

SOCW 304A Units: 3.0
Social Work Practicum by Prior Learning Assessment (PLA)
Students with significant work or volunteer experience in social work may complete the first BSW practicum by Prior Learning Assessment. Students will present evidence of their prior learning and practice experience in the form of a portfolio which specifically demonstrates their anti-oppressive practice and their acquisition of the skills and knowledge required in SOCW 304.
Note: Credit will be granted for only one of 304A, 304.
Pre- or corequisites: SOCW 300 or 323.
Students registered in a concurrent section of 323 may register in a S 304A section only. (The F and K and Y sections are only available to those students who have completed 323.)
Grading: COM, N, or F

SOCW 318 Units: 3.0 Hours: 3-0
Research Strategies for Social Work Practice
This course explores critical, First Nations 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.
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 practise in an anti-oppressive way will be strengthened.
Note: Credit will be granted for only one of 323, 300.

SOCW 350A Units: 1.5 Hours: 1.5-1.5
Law and Social Services
This course provides theories and multiple critical perspectives on law, the legal system and the legal processes that impact on professional practice. Students will critically examine and reflect on the various legal frameworks of law and the interplay between marginalization and structural inequalities. Students will be familiar with the ethics, values and historical development of the legal profession. Students will become familiar with several critical legal theories which trace the development of individual theoretical perspectives and explores the ways in which these trends overlap and interact.
Pre- or corequisites: SOCW 300.

SOCW 350B Units: 1.5 Hours: 3-0
Legal Skills for Social Service Professionals
A skill-based course focusing on the development of legal skills in an anti-oppressive framework. Emphasis is given to a critical analysis of the skills necessary to practice in statutory settings such as child welfare, and may include discussion, advocacy, mediation, investigation, evidence-giving and report writing.
Note: Credit will be granted for only one of 350B, 350, CYC 350A. Open to third and fourth year HSD students with instructor’s permission. Enrollment may be limited.

SOCW 350A Units: 1.5 Hours: 3-0
Law and Social Services
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 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 HSD students with instructor’s permission. Enrollment may be limited.

Pre- or corequisites: SOCW 300 or CYC 350A.
SOCW 354  
**An Introduction to First Nations Issues and Human Services**

The course will critically examine the historical process of colonization in Canada, the resulting barriers embedded in policy and practice, and alternative ways of viewing the social-psychological position of First Nations people in Canadian Society. Contemporaneous issues and the movement toward self-determination will be discussed in relation to social work theory and practice.

**Note:** Credit will be granted for only one of 354, 454.

**Pre- or corequisites:** SOCW 300 or 323.

SOCW 390  
**Directed Studies**

Students must consult with the Director prior to registration. The intent is to allow students the opportunity to concentrate in a particular field of social welfare such as corrections, gerontology or mental health.

SOCW 391  
**First Nations Approaches to Healing and Helping**

Through direct interaction with First Nations elders, political leaders and human service workers, students will explore traditional and contemporary approaches used by First Nations peoples to help and heal in their communities. Students will be challenged to integrate these approaches into their own lives and social work practices.

**Note:** Limited to First Nations, Inuit and Métis students or with permission of the Director.

**Pre- or corequisites:** SOCW 300 or 323.

SOCW 402  
**Social Work Practice II**

In the second BSW practicum (420 hours), students have a further opportunity to develop, refine and apply generalist practice knowledge, skills, values and ethics while working under supervision in a child and/or youth and/or family serving agency with those who are affected by child welfare law, policy and practice.

**Notes:** - Credit will be granted for only one of 404A, 404, 402.
- There is a required concurrent Online Integrative Practice Seminar included in this practicum.

**Prerequisites:** SOCW 300 or 323, 304 or 304A, 305A, 305B, 350A, 350B, 350C, 401, 410 or HSD 462 (formerly SOCW 479), SOCW 475, HSD 464 and an approved human development course. For First Nations Child Welfare placements: SOCW 300 or 323, 304 or 304A, 305A, 305B, 350A, 350C, 401, 410, 492, and an approved human development course.

**Pre- or corequisites:** SOCW 301 or 318, 451 and 476. For First Nations Child Welfare placements: SOCW 301 or 318 and 451.

**Grading:** INP, COM, N, or F

SOCW 404A  
**Child Welfare Specialization Child Welfare Practicum**

In this second BSW practicum (420 hours), students have a further opportunity to develop, refine and apply generalist practice knowledge, skills, values and ethics while working under supervision in a child and/or youth and/or family serving agency with those who are affected by child welfare law, policy and practice.

**Pre- or corequisites:** SOCW 300 or 323, 304 or 304A, 305A, 305B, 350A, 350B, 354, 471 (or HSD 462 - formerly SOCW 479), 475, HSD 464 and an approved human development course. For First Nations Child Welfare placements: SOCW 300 or 323, 304 or 304A, 305A, 305B, 354, 391, 491, 492, and an approved human development course.

**Grading:** INP, COM, N, or F


**Pre- or corequisites:** SOCW 300 or 323, 304 or 304A, 305A, 305B, 350A, 350B, 354, 471 (or HSD 462 - formerly SOCW 479), 475, HSD 464 and an approved human development course. For First Nations Child Welfare placements: SOCW 300 or 323, 304 or 304A, 305A, 305B, 354, 391, 491, 492, and an approved human development course.

**Grading:** INP, COM, N, or F

SOCW 451  
**First Nations Policy Issues in Social Work**

This course builds on the structural theories and perspectives of social work practice introduced in SOCW 354. The focus will be on in-depth exploration and critical analysis of past and present policies of Canadian governments that affect the lives of First Nations peoples. Contemporary responses and initiatives of First Nations peoples through their own policies and practices will also be discussed.

**Prerequisites:** SOCW 354

**Pre- or corequisites:** SOCW 300 or 323.

**Grading:** INP, COM, N, or F

SOCW 452  
**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, First Nations, 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.

**Grading:** INP, COM, N, or F

SOCW 453  
**Critical Perspectives in Mental Health Practice**

This social work course examines the concepts of "mental health" and "mental illness" from a critical perspective. The readings give an overview of key areas in knowledge and theory, and provide practical information about how to work with various mental health systems. Throughout this course, attention is given to the historical, socio-cultural, and political connections to mental health and illness with a particular focus on presenting multiple perspectives regarding a range of topic areas.

**Prerequisites:** SOCW 300 or 323

**Grading:** INP, COM, N, or F

SOCW 472  
**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, First Nations 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, 479, CYC 386, HSD 463.

**Prerequisites:** One of CYC 369, HSD 462, SOCW 471 or SOCW 479, or another course by instructor permission.

SOCW 474  
**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 First Nations, child and family) for in-depth study and reflection.

**Prerequisites:** SOCW 300 or 323 or by permission of the instructor.

SOCW 475  
**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 chil-
Spanish

Department of Hispanic and Italian Studies

Faculty of Humanities

Native speakers of Spanish may not obtain credit for 100 or 200 level courses. A native speaker is defined in this context as a person who has spoken Spanish since childhood and/or has received sufficient instruction in the language to be literate in it. The Department will assign students with previous knowledge to the appropriate level.

SPAN 100A Units: 1.5 Hours: 3-1
Formerly: first half of 100
Beginners' Spanish I
Focuses on the acquisition of basic skills of pronunciation, reading, writing and conversation. Includes instruction in essential points of grammar, basic syntax, and vocabulary for daily interaction.

Note: Credit will be granted for only one of 100A, 100B. Not open to students with credit in Spanish 12.

SPAN 100B Units: 1.5 Hours: 3-0
Formerly: second half of 100
Beginners' Spanish II
A continuation of 100A. Emphasis on the acquisition of basic skills. Vocabulary and grammatical concepts will be expanded.

Note: Credit will be granted for only one of 100B, 100A, 149. Not open to students with credit in Spanish 12.

SPAN 249 Units: 3.0 Hours: 6-2
Review of Grammar and Conversation

Intensive Spanish language instruction for intermediate language students. Equivalent to 250A/B.

Note: Credit will not be granted for 149 and 100, 100A, 100B. Not open to students with credit in Spanish 12.

SPAN 250A Units: 1.5 Hours: 3-0-1
Formerly: first half of 250
Review of Grammar and Conversation I

Intensive review of grammatical concepts and structures presented in 100A and 100B and the acquisition of composition and translation skills. Readings may be taken from significant Spanish and Spanish American authors. One hour a week will be devoted to conversation.

Note: Credit will be granted for only one of 250A, 249, 250. Students who intend to do Major or Honours work in Hispanic Studies should take this course in the second year. May also be taken as an elective.

SPAN 305A Units: 1.5 formerly 3 Hours: 3-0
Spanish Immersion

This course, to be taken in conjunction with 350A/B, is part of the Year Abroad Program and combines conversation with an introduction to the culture and literature of Spain and Latin America.

Pre-requisites: 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 monachy, the Civil War, and Spain since 1939. May be given in Spanish or English.

Pre- or corequisites: 350A if 306 given in Spanish; second-year standing if 306 given in English.

SPAN 307 Units: 1.5 Hours: 3-0
Latin American Culture

An overview of the cultures of Spanish America and Brazil. Consideration of the artistic, intellectual, social, and political trends in Latin America from pre-Columbian times to the present. May be given in Spanish or English.

Pre- or corequisites: 350A if 307 given in Spanish; second-year standing if 307 given in English.

SPAN 340 Units: 3.0 Hours: 6-0
Spanish Immersion Literature

This course, to be taken in conjunction with 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.

Pre-requisites: 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 450A, 450.
Prerequisites: 250A and 250B, with a minimum average of B-, or advanced placement by the Department.

SPAN 350B Units: 1.5 Hours: 3-0
Formerly: second half of 350
Advanced Composition, Translation and Stylistics: II
A continuation of 350A, with continued emphasis on the mastery of Spanish grammar and syntax through translation, composition, and readings.
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.
Prerequisites: 250A, 250B, 260 (with a minimum grade of B- in each).
Pre- or corequisites: 350A or permission of the Department.

SPAN 375 Units: 1.5 Hours: 3-0
Survey of Spanish Literature Since 1700
A chronological survey of works of major Spanish authors in the genres of narrative, drama, and poetry from 1700 to the present. Techniques of literary criticism will be reviewed and expanded.
Note: Normally taken in conjunction with 350A.
Prerequisites: 250A, 250B, 260 (with a minimum grade of B- in each).
Pre- or corequisites: 350A or permission of the Department.

SPAN 380 Units: 1.5 Hours: 3-0
Survey of Spanish American Literature from 1492 to 1900
A chronological survey of works of major Spanish American authors in the genres of narrative, drama, and poetry from 1492 to 1900. Techniques of literary criticism will be reviewed and expanded.
Note: Normally taken in conjunction with 350A.
Prerequisites: 250A, 250B, 260 (with a minimum grade of B- in each).
Pre- or corequisites: 350A or permission of the Department.

SPAN 385 Units: 1.5 Hours: 3-0
Survey of Spanish American Literature Since 1900
A chronological survey of works of major Spanish American authors in the genres of narrative, drama, and poetry from 1900 to the present. Techniques of literary criticism will be reviewed and expanded.
Note: Normally taken in conjunction with 350A.
Prerequisites: 250A, 250B, 260 (with a minimum grade of B- in each.)
Pre- or corequisites: 350A or permission of the Department.

SPAN 450A Units: 1.5 Hours: 3-0
Formerly: half of 450
Advanced Composition, Translation and Stylistics: III
Development of the student's mastery of Spanish by enhancing reading, writing, and communication skills. Intensive practice in composition and translation; introduction to style analysis through discussion of selected texts.
Note: Credit will be granted for only one of 450A, 450.
Prerequisites: 350A and 350B.

SPAN 460 Units: 1.5 Hours: 3-0
Hispanic Poetry
A chronological study of the development of poetry in Spain and other Hispanic countries chosen at the discretion of the instructor. Emphasis will be on cultural, political, and social impact of poetry.
Prerequisites: One of 370, 375, 380, or 385

SPAN 468 Units: 1.5 Hours: 3-0
Spanish Historical Fiction
A selection of historical fiction by modern writers from Spain. Emphasis placed on the development of the genre or on specific issues such as national or regional identity, historical period, and genre. Special reference made to the ways authors manipulate historical periods for their own aesthetic, social and/or political goals.
Note: May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385 if 468 given in Spanish, second-year standing if 468 given in English.

SPAN 469 Units: 1.5 Hours: 3-0
Special Topics in Hispanic Literatures
Variable content course which will focus attention on themes, literary and cultural trends, countries or authors.
Note: May be taken more than once for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385 if 469 given in Spanish, second-year standing if 469 given in English.

SPAN 470 Units: 1.5 Hours: 3-0
Medieval Literature
A study of topics in the literature of medieval Spain, ranging from the turbulent formative period of the Reconquest to the time of the voyages of discovery. Themes may include: the epic, anti- and pro-feminism, courtly love, miracle stories and political satire.
Notes: - Credit will not be granted for 470 and 470A, 470B.
- May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385 if 470 given in Spanish, second-year standing if 470 given in English.

SPAN 471A Units: 1.5 Hours: 3-0
Formerly: 471
The Female Voice in Medieval Poetry
A study of the female voice in the medieval Cancionero in the context of the pro- and anti-feminist debate of the period.
Note: Credit will be granted for only two of 471A, 471, 470, 470A, 470B if taken in different topics.
Pre- or corequisites: One of 370, 375, 380, 385

SPAN 471B Units: 1.5 Hours: 3-0
Formerly: 471
Miracle Stories of the Marian Tradition
A study of the miracle stories of King Alfonso X and Gonzalo de Berceo in the social and theological context of the Middle Ages.
Note: Credit will be granted for only two of 471B, 471, 470, 470A, 470B if taken in different topics.
Pre- or corequisites: One of 370, 375, 380, 385

SPAN 471C Units: 1.5 Hours: 3-0
Formerly: 471
Special Topics in Medieval Literature (in English)
Topics in the medieval literature and culture of Spain dealing with such issues as religious tolerance and intolerance, the epic as witness and participant in the making of the nation, the pro- and anti-feminist debate. The topic will change from year to year.
Note: May be taken twice in different topics. Credit will be granted for only two of 471C, 471, 470, 470A, 470B if taken in different topics.
Prerequisites: Second-year standing.

SPAN 472 Units: 1.5 Hours: 3-0
Cervantes' Don Quixote
A study of Don Quixote in the context of Cervantes' life and times. Generally given in Spanish.
Pre- or corequisites: One of 370, 375, 380, or 385 if 472 given in Spanish, second-year standing if 472 given in English.

SPAN 473A Units: 1.5 Hours: 3-0
Formerly: 473
Prose of the Golden Age
Study of representative authors, themes, and genres. Authors may include Montermayor, Vélez de Guevara, Delicado, and Gracián.
Note: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 473B Units: 1.5 Hours: 3-0
Formerly: 473
Poetry of the Golden Age
Study of representative authors, themes, and genres. Authors may include Garcilaso de la Vega, Santa Teresa, Fray Luis de León, San Juan de la Cruz, Góngora, and Quevedo.
Note: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 477C Units: 1.5 Hours: 3-0
Formerly: 473
Drama of the Golden Age
Study of representative authors, themes, and genres. Authors may include Lope de Vega, Tirso de Molina, and Calderón de la Barca.
Notes: - Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.
- Credit will be granted for only one of 473C, 474A, 474B.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 475 Units: 1.5 Hours: 3-0
Landscapes of Desire: Visions of Self and Country
Heroes, love, and death in Renaissance and Golden Age Spain. This study of poetry as the mirror of culture will focus on the major poets. Special reference will be made to poets who also practised another art, profession, or belonged to the Church.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 476A Units: 1.5 Hours: 3-0
Spanish Literature of the 19th Century
The development of the Romantic and Realist movements in Spanish drama, poetry and novel of the last century. Selected works of major authors such as Bécquer, Pardo Bazán, and Galdós will be studied in the context of the social and ideological climate of the period.
Pre- or corequisites: One of 370, 375, 380, or 385

SPAN 476C Units: 1.5 Hours: 3-0
Literature of Renewal: Prose and Poetry of Spanish Fin de Siglo
Selected works of Unamuno, Baroja, “Azorín,” and the poet Antonio Machado will be studied in the context of the social and intellectual crisis precipitated by the events of 1898.
Pre- or corequisites: One of 370, 375, 380, or 385.
SPAN 478A Units: 1.5 Hours: 3-0
The 20th Century Novel After the Civil War
A study of the main currents of the modern novel in Spain, with special emphasis on individual responses to the Civil War of 1936-39 and on the development of the novel as a vehicle for social criticism. Recent trends will be examined in the light of the continuing search for new values.
Pre- or corequisites: One of 370, 375, 380, or 385.

SPAN 479A Units: 1.5 Hours: 3-0
Also: ITAL 479A
Women in the Hispanic and Italian World
A study of major women authors, characters and themes relevant to women’s issues in Hispanic and Italian literature. May be given in English, Spanish or Italian.
Topic: “Contemporary Women’s Writing for Children”
Note: Credit will be granted for both SPAN 479A and ITAL 479A only if taken in different topics. SPAN 479A may be given in English or Spanish.
Pre- or corequisites: One of 370, 375, 380, or 385.

SPAN 479B Units: 1.5 Hours: 3-0
Also: ITAL 479B
The Early Modern Period in Italy and Spain in English
Selected Early Modern literature in Italy and Spain. The first half of the course will study the literature and culture of Italy in the period 1550 to 1650. The second half of the course will examine how and when Early Modern Italian literary, aesthetic and cultural ideals reached Spain and consider their impact in the inception and development of Spanish literature in the Golden Age, especially between 1526 and 1626. Emphasis will be on the works of such figures as Petrarch, Sannazzaro, Bembo, Castiglione, Garcilaso, Herrera, Lope and Cervantes.
Note: Credit will be granted for both SPAN 479B and ITAL 479B only if taken in different topics. SPAN 479B may be given in English or Spanish.
Prerequisites: Second-year standing.

SPAN 480A Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Sor Juana Inés de la Cruz: Context, Theatre and Prose
The theatre and prose of Sor Juana as a reflection of and response to her society and personal circumstances. We begin by studying the cultural diversity of seventeenth century New Spain, its artistic and intellectual movements, the socioeconomic situation of women, and female monastic life. Works by Sor Juana to be studied include religious and secular plays, theological writings, and texts addressed to the ecclesiastical hierarchy.
Note: Credit will be granted for only one of 481A, 480B, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481A given in Spanish, second-year standing if 481A given in English.

SPAN 480B Units: 1.5 Hours: 3-0
Formerly: 480B
Contemporary Theatre of Spanish America
Theatre from South America, Central America and the Caribbean, and Mexico including works written and staged from the 1950s to the present.
Note: Credit will be granted for only one of 482B, 480B.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 480C Units: 1.5 Hours: 3-0
Formerly: 480C
Spanish American Literature of the 19th Century
Representative novels and short stories from the 19th Century. Discussion of each work within its national and/or regional context.
Note: Credit will be granted for only one of 480A, 480C.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 481A Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Sor Juana Inés de la Cruz: Poetry
A study of the poetic compositions - devotional, irreverent, humorous, satirical and philosophical - of the 17th Century Mexican nun. The poetry will be studied in its historical, social, and literary context.
Note: Credit will be granted for only one of 481B, 480, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481B given in Spanish, second-year standing if 481B given in English.

SPAN 481C Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Colonial Letters: Literatures of the Conquest
A comparative study of how soldiers, friars, poets and indigenous historians of the sixteenth and seventeenth century narrated the conquest of the Americas. Topics may include the role of providence, Neoplatonic and early anthropological views of indigenous societies and beliefs, and the epic in the New World. Authors may include Cortés, Díaz del Castillo, Sahún, Mendieta, Ercilla, Villagrán, Alva Ixtlilxochitl, the Inka Garcilaso de la Vega, and Waman Puma.
Note: May be taken twice in different topics. Credit will be granted for only one of 481C, 480, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481C given in Spanish, second-year standing if 481C given in English.

SPAN 481D Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Colonial Letters: The Spanish American Enlightenment
An exploration of the manifestations of the Enlightenment in Spanish America, focusing mainly on Mexico. Topics of discussion may include science and popular religiosity, creole patriotism and the insurgency, depictions of race, class and gender, early novels, and travel narratives. Readings will be drawn from the works of Clavijero, Mier, von Humboldt, Fernández de Lizardi, and others.
Note: May be taken twice in different topics. Credit will be granted for only one of 481D, 480, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481D given in Spanish, second-year standing if 481D given in English.

SPAN 482B Units: 1.5 Hours: 3-0
Formerly: 480B
Spanish American Literature of the 19th Century
Novels and short stories from the 1950s to the present. Discussion of each work within the national and/or regional context.
Note: Credit will be granted for only one of 482B, 480B.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 483A Units: 1.5 Hours: 3-0
Formerly: 480C
Latin American Women’s Writing
A selection of women’s writing in Spanish America and Brazil from the 19th Century to the present. Discussion of the relevance of each writer within her national and/or regional literature. Given in Spanish or English.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 484A Units: 1.5 Hours: 3-0
Contemporary Latin American Literature (in English)
A selection of works by 20th Century writers from Spanish America and Brazil. Discussion of each work within the national and/or regional context.
Notes: - Credit will be granted for only one of 484B, 481, PORT 481 without permission of the Department. - May be taken twice for credit in different topics.
Prerequisites: Second-year standing.

SPAN 484C Units: 1.5 Hours: 3-0
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 viceregal systems, 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: 3-0
Spanish Film
A selection of major accomplishments in Spanish-language film, from the experimental cinema of Buñuel to post-Franco director Almodóvar. May be given in Spanish or English.
Note: May be taken twice for credit in different topics.
Pre- or corequisites: 350A if given in Spanish; second-year standing if 485A given in English.

SPAN 485B Units: 1.5 Hours: 3-0
Latin American Film
A selection of major accomplishments in Spanish-language film in Latin America. Course content will vary to include recent trends in Mexico, Argentina, Cuba and other Latin American countries. May be given in Spanish or English.

SPAN 487B Units: 1.5 Hours: 3-0
Formerly: 480D
Fiction from the “Boom” to the Present
Novels and short stories from the 1950s to the present. Discussion of each work within the national and/or regional context.
Note: Credit will be granted for only one of 483B, 480D.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 489C Units: 1.5 Hours: 3-0
Modern Latin American Literature and the Visual Arts
An exploration of the links between literary works and painting, photography, and cinema in 20th Century Latin America.
Pre- or corequisites: One of 370, 375, 380, 385.
Note: May be taken twice for credit in different topics.
Pre- or corequisites: 350A if given in Spanish; second-year standing if given in English.

SPAN 486 Units: 1.5 Hours: 3-0
Special Topics in Hispanic American Literature
Variable content course which will focus attention on themes, literary and cultural trends, countries or authors.
Note: May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385.

SPAN 490A Units: 1.5 Hours: 3-0
Formerly: 425
History of the Spanish Language
A study of the development of the Spanish language from its origins in Vulgar Latin to its stabilization in Cervantes’ time.
Note: Credit will be granted for only one of 490A, 425.
Pre-requisites: 250B.

SPAN 490B Units: 1.5 Hours: 3-0
Formerly: 426
Translation Theory and Practice
A review of basic linguistic and cultural patterns and the problems of translation; emphasis will be laid on the acquisition of practical experience in translating materials drawn from a large variety of fields.
Note: Credit will be granted for only one of 490B, 426.
Pre-requisites: 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.
Pre-requisites: 350B.

SPAN 495 Units: 1.5 or 3
Formerly: 430
Directed Reading Course
A specified reading project for fourth-year students to be determined by the student, the instructor, and the Chair of the Department; written assignments will be required.
Note: Credit will be granted for only one of 495, 430. May be taken more than once in different topics. For Honours and Major students.

SPAN 499 Units: 1.5
Honours Graduating Essay
Honours students will write a graduating essay of 7,500 - 10,000 words, in Spanish and on an approved topic, under the direction of a member of the Department. The essay must conform to acceptable standards of style and format, and be submitted before the end of Second Term classes.

STAT

Statistics
Department of Mathematics and Statistics
Faculty of Science

STAT 252 Units: 1.5 Hours: 3-0
Statistics For Business
Descriptive statistics; graphics; modeling 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 254 Units: 1.5 Hours: 3-0-1
Probability and Statistics For Engineers
Probability axioms, properties of probability, counting techniques, conditional probability, independence, random variables, discrete and continuous probability distributions, expectation, variance; binomial, hypergeometric, negative binomial, Poisson, uniform, normal, gamma and exponential distributions; discrete and continuous joint distributions; independent random variables, expectation of functions of random vectors, covariance, random samples and sampling distributions, central limit theorem; point and interval estimation; hypothesis testing; linear regression and correlation.
Note: Credit will be granted for only one of 254, 250, 252, 255, 260. See Credit Limit, page 32.
Pre-requisites: Admission to a BEng program.
Corequisites: MATH 200.

STAT 255 Units: 1.5 Hours: 3-0
Statistics For Life Sciences: I
Descriptive statistics; probability; random variables and probability distributions; expectation; binomial, Poisson, and normal distributions; random sampling and sampling distributions; point and interval estimation; classical hypothesis testing and significance testing. Statistical examples and applications from life sciences will be emphasized.
Notes: - Credit will be granted for only one of 255, 250, 252, 254, 260. See Credit Limit, page 32.
- Intended primarily for students in Biochemistry, Microbiology, Biology, Environmental Studies combined with a Science discipline, Kinesiology, and Combined Computer Science and Health Information Science.
Pre-requisites: 1.5 units of mathematics numbered 100 or higher; registration in the Faculty of Science, Faculty of Human and Social Development, Faculty of Education; or permission of the Department.

STAT 256 Units: 1.5 Hours: 3-1-0
Statistics For Life Sciences: II
Estimation and hypothesis testing; analysis of variance and the design of experiments; regression and correlation; analysis of categorical data; distribution-free procedures. Statistical examples and applications from life sciences will be emphasized.
Notes: - Credit will be granted for only one of 256, 251, 261.
- Intended primarily for students in Biochemistry, Microbiology, Biology, and Environmental Studies.
Pre-requisites: 255 or equivalent.

STAT 260 Units: 1.5 Hours: 3-0
Introduction to Probability and Statistics: I
Descriptive statistics; elementary probability theory; random variables, discrete and continuous probability distributions, expectation, joint, marginal and conditional distributions; linear functions of random variables; random sampling and sampling distributions; point and interval estimation; classical hypothesis testing and significance testing. The mathematical foundations of statistical inference will be introduced and illustrated with examples from a variety of disciplines.
Note: Credit will be granted for only one of 260, 250, 252, 254, 255. See Credit Limit page 32.
Pre-requisites: MATH 101 or 103.

STAT 261 Units: 1.5 Hours: 3-1-0
Introduction to Probability and Statistics: II
Estimation and hypothesis testing; normal sampling distribution theory; analysis of variance and the design of experiments; regression and correlation analysis of categorical data; distribution-free procedures. The mathematical foundations of statistical inference will be introduced and illustrated with examples from a variety of disciplines.
Note: Credit will be granted for only one of 261, 251, 256.
Pre-requisites: 280 or equivalent.

STAT 350 Units: 1.5 Hours: 3-0
Mathematical Statistics: I
Discrete and continuous probability models, random variables and their distributions, mathematical expectation, moment generating functions, sums of random variables, limit theory, and sampling distributions. Emphasis on the probability theory needed for 450.
Pre-requisites: 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.
Pre-requisites: One of 261 or 256, and one of MATH 233A or MATH 133, or permission of the instructor.

STAT 354 Units: 1.5 Hours: 3-0
Sampling Techniques
Principal steps in planning and conducting a sample survey. Sampling techniques including stratification, systematic sampling and multistage sampling. Practical survey designs with illustrations. Nonsampling errors.
Pre-requisites: 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.
Pre-requisites: 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.
Pre-requisites: 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.
Pre-requisites: One of 252, 254, 256, 260, ECON 246, GEOG 226, PSYC 300A, SOC 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.
Pre-requisites: 350.
THEA 101 Units: 3.0 Hours: 3-0; 3-0
An Introduction to Theatre
A practical and theoretical introduction to play analysis, to dramatic criticism, to theatrical form, and to the principles of stage production. Attendance at live performances is required.
Note: Credit will be granted for only one of 101, 100, 110, 111, 112.

THEA 102 Units: 1.5 Hours: 3-0
Theatre Appreciation: From Page to Stage
A course designed to enhance understanding and appreciation of today’s theatre. Assignments include watching plays on video and attendance at live theatre performances.
Note: Credit will be granted for only one of 102, 100, 110, 111, 112.

THEA 105 Units: 3.0 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 sound, and theatre organization and practice. Practical assignments will include the preparation and crewing of Department productions. Due to changing production assignments labs may not always meet as timetabled.
Prerequisites: Permission of the Department.
Corequisites: 111, 112 and 120.

THEA 111 Units: 1.5 Hours: 3-0
Introduction to the History and Language of the Theatre: I
A survey of the history of western theatre from its beginnings to the Middle Ages. Early forms, conventions and styles are compared with those of the contemporary theatre.
Note: Credit will be granted for only one of 111, 100, 110.
Prerequisites: Permission of the Department.
Corequisites: 105, 120, Theatre Majors.

THEA 112 Units: 1.5 Hours: 3-0
Introduction to the History and Language of the Theatre: II
A survey of the history of western theatre from the Middle Ages to the closing of the English playhouses in 1642. Early forms, conventions and styles are compared with those of the contemporary theatre.
Note: Credit will be granted for only one of 112, 100, 110.
Prerequisites: 111 and permission of the Department.
Corequisites: 105, 120, Theatre Majors.

THEA 120 Units: 3.0 Hours: 0-3
Introduction to the Art of Acting
An orientation to the art of acting and an introduction to the actor’s creative process.
Prerequisites: Permission of the Department.
Corequisites: 105, 111, 112.

THEA 122 Units: 1.5 Hours: 0-3
The Acting Experience
An examination of the fundamentals of the art of acting through self-exploration, improvisation, character and scene study.

Note: Not open for credit to students registered in or with credit in 120 or 121.

THEA 132 Units: 3.0 Hours: 3-0
Exploring Theatre Through Dramatic Process
A course designed for students interested in the improvisational nature of theatre as it applies to working spontaneously or through text with an emphasis on collective creation. Recommended for students considering careers in alternative theatre practices, theatre for social change, health education, museum education and young audiences, teaching, recreation, counselling, child and youth care.

THEA 150 Units: 1.5 Hours: 1-3
Public Speaking
An overview of the theoretical bases of speech communication; development of the vocal, verbal, and non-verbal skills of organization and presentation essential to effective communication.

THEA 205 Units: 3.0 Hours: 0-4
An Introduction to Production and Management Areas of the Theatre
Students are instructed in the basic principles and procedures of the major productions and management areas of the theatre. Students will be required to successfully complete a practical assignment in a Department or other designated production(s).
Note: Students enrolled in this course must consult the instructor before making evening or lunchtime engagements which might interfere with the schedule of practical assignments. Due to changing production assignments labs may not always meet as timetabled.
Prerequisites: 105 and permission of the Department.

THEA 210 Units: 1.5 Hours: 3-0
Theatre From French Classicism to the End of the 19th Century
A survey of western theatre history from Corneille to the Victorians. Introduction to library research methods in theatre history.
Note: Credit will be granted for only one of 210, 200.
Prerequisites: 112 or permission of the Department.
Corequisites: 205.

THEA 211 Units: 1.5 Hours: 3-0
Modern Theatre
A continuation of Theatre 210 from the late 19th century to the present day.
Note: Credit will be granted for only one of 211, 200.
Prerequisites: 210 or permission of the Department.
Corequisites: 205.

THEA 218 Units: 1.5 Hours: 0-4.5-0
Acting: I (for Theatre Students Who Are Non-Acting Specialists)
Work in characterization and scene study designed for Theatre students who are pursuing programs other than the Acting Specialist Option.
Note: Not open for credit to students with credit in 220 or 221. Enrollment limited.
Prerequisites: 105, 112, 120; audition and/or interview; permission of the Department.
Corequisites: 205 and 210.

THEA 219 Units: 1.5 Hours: 0-4.5-0
Acting: II (for Theatre Students Who Are Non-Acting Specialists)
A continuation of Theatre 218. Work in characterization and scene study designed for Theatre students who are pursuing programs other than the Acting Specialist Option.
Note: Not open for credit to students with credit in 220 or 222. Enrollment limited.
THEA 222 Units: 1.5 Hours: 0-4.5
Formerly: 220
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, 223 or 225.

THEA 223 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 223, 260. Enrollment limited.
Prerequisites: 105, 112, 120; audition and/or interview; permission of the Department.
Corequisites: 205, 210 or 211, 221 or 222.

THEA 229 Units: 1.5 Hours: 0-4.5
Theatre Performance
Supervised performance in Department productions.
Note: Credit will be granted for no more than 6 units of any combination of 229, 329, 429. Of those 6 units, only 1.5 units of 229 will normally be given.
Prerequisites: Permission of the Department.
Grading: COM, N, or F

THEA 250 Units: 1.5 Hours: 1-3
Formerly: 240
Introduction to Design: I
Developing a graphic vocabulary in the free hand idiom for the Theatre Designer.
Note: Credit will be granted for only one of 251, 240.
Prerequisites: Permission of the Department.

THEA 252 Units: 1.5 Hours: 1-3
Formerly: half of 240
Introduction to Design: II
Development of drawing skills in the mechanical idiom. Drafting of ground plans, sections, elevations, orthographics, and isometrics. Mechanical perspective drawing will be explored.
Note: Credit will be granted for only one of 252, 240.
Prerequisites: Permission of the Department.

THEA 261 Units: 1.5 Hours: 2-2
Introduction to Costume Design
An introduction to the design principles, drawing techniques, and materials of costume design for the stage and other media.
Prerequisites: Permission of the Department.

THEA 265 Units: 1.5 Hours: 0-4.5-0
Advanced Production and Management
Students are instructed and given practical experience in one or more of the major production and management areas of the theatre. These may include: costume, stage management, technical direction, sound design, lighting operation, stage carpentry, front of house, publicity.
Note: Enrollment limited. May be taken more than once for credit in different topics.
Prerequisites: 205 and permission of the Department.

THEA 299 Units: 1.5 or 3.0
Theatre Laboratory
Under the supervision of faculty, students will participate in projects that will include their particular areas of interest and other aspects of the theatre.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: Permission of the Department.

THEA 305 Units: 1.5 or 3.0 Hours: 0-6-2
Advanced Production and Management
Students are instructed and given practical experience in one or more of the major production and management areas of the theatre. These may include: costume, stage management, technical direction, sound design, lighting operation, stage carpentry, front of house, publicity.
Note: Enrollment limited. May be taken more than once for credit in different topics.
Prerequisites: 205 and permission of the Department.

THEA 309A Units: 1.5 Hours: 4-0
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 period. Dramatic style and theory will be addressed.
Note: Credit will be granted for only one of 309A, 309LU.
Prerequisites: 211 or MUS 110.

THEA 309B Units: 1.5 Hours: 4-0
Modern Opera
A continuation of THEA 309A, investigating the history of Western opera as a theatrical genre from the late nineteenth century to the present.
Note: Credit will be granted for only one of 309B, 309LU.
Prerequisites: 309A or permission of the Department.

THEA 310 Units: 1.5 Hours: 3-0
Seminar in Theatre History: I
Intensive study of a specific period or genre in the middle ages. May be taken more than once for credit in different topics with permission of the Department.
Prerequisites: 211 or permission of the Department.

THEA 311 Units: 1.5 Hours: 3-0
Seminar in Theatre History: II
Intensive study of a specific period or genre. The topics for consideration will change each year. Students may take this course for credit more than once.
Note: Students in Humanities and Social Sciences may take this course once only.
Prerequisites: 211 or permission of the Department.

THEA 312 Units: 1.5 Hours: 3-0
Also: JAPA 320A
Introduction to the History of Japanese Theatre
A survey of Japanese theatre history from earliest times until the present. Introduction to the major forms, styles and theory of Japanese theatre, both pre-modern and modern. Readings of plays in translation will be supplemented by screenings of films and videos of stage performances.
Note: Credit will be granted for only one of 312, JAPA 320A.
Prerequisites: Second-year standing or permission of the Department.

THEA 313 Units: 1.5 Hours: 3-0
Also: JAPA 320B
Seminar in Japanese Theatre and Drama: From 1500 to the Present Day
In-depth study of No, Bunraku, Kabuki, and 20th-century Japanese theatre.
Notes: - Credit will be granted for only one of 313, JAPA 320B.
- Students should consult the instructor for specific information on course content, which may vary from year to year.
Prerequisites: 312 or JAPA 320A.

THEA 314 Units: 1.5 Hours: 3-0
Formerly: 306
Studies in Theatre of the Ancient World
Theatre in ancient Greece or Rome.
Note: Credit will be granted for only one of 314, 306.
Students should consult the Department for the topic to be considered. May be taken more than once for credit in different topics with permission of the Department.
Prerequisites: 211 or permission of the Department.

THEA 315 Units: 1.5 Hours: 3-0
Formerly: 307
Studies in Medieval Theatre
Theatre of the Middle Ages.
Note: Students should consult the Department for the topic to be considered. May be taken more than once for credit in different topics with permission of the Department.
Prerequisites: 211 or permission of the Department.

THEA 316 Units: 1.5 Hours: 3-0
Studies in Baroque, Rococo and Neoclassical Theatre
Theatre in the 17th and 18th centuries.
Note: Students should consult the Department for the topic to be considered. May be taken more than once for credit in different topics with permission of the Department.
Prerequisites: 211 or permission of the Department.

THEA 317 Units: 1.5 Hours: 3-0
Studies in 19th Century Theatre
Theatre in the 19th century.
Note: Students should consult the Department for the topic to be considered. May be taken more than once for credit in different topics with permission of the Department.
Prerequisites: 211 or permission of the Department.

THEA 318 Units: 1.5 Hours: 3-0
Studies in 20th Century Theatre
Modern theatre.
Note: Students should consult the Department for the topic to be considered. May be taken more than once for credit in different topics with permission of the Department.
Prerequisites: 211 or permission of the Department.
THEA 319 Units: 1.5  Formerly: 308
Studies in Renaissance Theatre
The Renaissance in the theatre of Italy, France, and
England.
Note: Credit will be granted for only one of 319, 308.
Prerequisites: 205, 210, 211, 235, or permission of
the Department.
Corequisites: 322 and 323.
THEA 321 Units: 1.5  Formerly: half of 320
Acting: III
The study of acting as related to specific theatrical
genres, styles or periods.
Note: Credit will be granted for only one of 321, 320.
Prerequisites: 205, 211, 221, 222, 223, 225; audition
and/or interview; permission of the Department.
Corequisites: 323 and 325.
THEA 322 Units: 1.5  Formerly: half of 320
Acting: IV
A continuation of Theatre 321. The study of acting as
related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 322, 320.
Prerequisites: 321; audition and/or interview; permission
of the Department.
Corequisites: 324 and 326.
THEA 323 Units: 1.5  Formerly: half of 350
Speech in the Theatre: I
Work in voice and speech as related to specific thea-
trical 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  Formerly: half of 350
Speech in the Theatre: II
A continuation of Theatre 323. Work in voice and
speech as related to specific theatrical genres, 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  Formerly: half of 360
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  Formerly: half of 360
Stage Movement: II
A continuation of Theatre 325. Intermediate stage
movement.
Note: Credit will be granted for only one of 326, 360.
Prerequisites: 325; audition and/or interview; permis-
sion of the Department.
Corequisites: 322 and 324.
THEA 327 Units: 1.5  Formerly: half of 340
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 Majors.
Prerequisites: Permission of the Department.
THEA 328 Units: 1.5  Formerly: 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  Formerly: half of 340
Theatre Performance
Supervised performance in Department productions.
Note: Credit will only be granted for no more than 6
units of any combination of 329, 328, 429. May be
taken more than once for credit with permission of the
Department.
Prerequisites: Permission of the Department.
Grading: COM, N, or F
THEA 330 Units: 3.0  Hours: 1-2
Introduction to Directing
Fundamental textual analysis; stage composition,
movement and rhythm; methods of rehearsal pro-
dure and basic techniques of working with the actor.
Prerequisites: 205, 210, 211 and permission of the
Department.
THEA 335 Units: 3.0  Formerly: half of 350
Applied Theatre: I
Advanced study of the theory and practice of Applied
Theatre.
Prerequisites: 205, 210, 211 and 235, or permission
of the Department.
Corequisites: 330 and 355 or 356.
THEA 348 Units: 1.5  Formerly: half of 342
Lighting For the Theatre: I
Lighting design; its theory and practice.
Note: Credit will be granted for only one of 348, 342.
Prerequisites: 105 and permission of the Department.
THEA 349 Units: 1.5  Formerly: half of 342
Lighting For the Theatre: II
A continuation of 348. Lighting design; its theory and
practice.
Note: Credit will be granted for only one of 349, 342.
Prerequisites: 348 and permission of the Department.
THEA 351 Units: 1.5  Formerly: half of 340
Introduction to Scenic Design
Fundamentals of three-dimensional design commu-
nication and aesthetics. Model making and other
graphical techniques for planning, analyzing and de-
scribing plastic space for the stage.
Note: Credit will be granted for only one of 351, 340.
Prerequisites: 105, 111, 112, 205, 210, 211, 251, 252
and permission of the Department.
THEA 352 Units: 1.5  Formerly: half of 340
Scenic Design
Paper projects in the design of stage settings.
Note: Credit will be granted for only one of 352, 340.
Prerequisites: 111, 112, 210, 211, 351 and permis-
sion 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 produc-
tion.
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 pro-
duction.
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: 1-2
Design Aesthetics: I
An introduction to the language of creativity and vi-
sual expression. A study of elements of design and
how we apply them in the theatre. The class will con-
sist of theoretical discussion, historical analysis and
practical design assignments.
Note: This course is not intended for students choos-
ing a special option in Design or in Production and
Management.
Prerequisites: Permission of the Department.
THEA 356 Units: 1.5  Hours: 1-2
Design Aesthetics: II
Further explorations in the use, creative interpreta-
tion, and communication of stage design through
tory and practical projects.
Prerequisites: 355 and permission of the Department.
THEA 361 Units: 1.5  Hours: 2-2
Costume Design
The further study and development of the art, craft
and practice needed in the design of costumes.
Prerequisites: 261 and permission of the Department.
THEA 362 Units: 1.5  Hours: 3-0
Costume History: I
A survey of costume and fashion from ancient times
through the 17th century. Historical analysis of gar-
ments with emphasis on cultural, artistic and psycho-
logical aspects.
THEA 363 Units: 1.5  Hours: 3-0
Costume History: II
A survey of costume and fashion in the 18th, 19th
and 20th centuries. Historical analysis and a detailed
study of how clothing/costume signals and defines
culture.
THEA 365 Units: 1.5 or 3.0  Hours: 4-0
Assisting the Costume Designer
Assisting the costume designer of a major produc-
tion.
Note: May be taken more than once for credit to a
maximum of 6 units.
Pre- or corequisites: 361 and permission of the Department.
THEA 379 Units: 1.5 Hours: 0-3
Musical Theatre Workshop: Singing
Singing for the musical stage. Included will be work in vocal technique, presentation, and interpretation. The course will examine both solo and choral work.
Note: Enrollment limited to 25 students per section.
Prerequisites: Permission of the Department.

THEA 390 Units: 1.5 or 3.0
Directed Studies in the Theatre History
Note: May be taken more than once for credit in different topics to a maximum of 3 units. Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.
Prerequisites: 210, 211, and/or permission of the Department.

THEA 391 Units: 1.5 or 3.0
Directed Studies in the History of Drama
Note: May be taken more than once for credit in different topics to a maximum of 3 units. Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.
Prerequisites: 210, 211, and/or permission of the Department.

THEA 392 Units: 1.5 or 3.0
Directed Studies in Theories of Acting
Note: May be taken more than once in different topics to a maximum credit of 3 units. Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.
Prerequisites: 219 or 221, and/or permission of the Department.

THEA 393 Units: 1.5 or 3.0
Directed Studies in Theories of Directing
Note: May be taken more than once in different topics to a maximum credit of 3 units. Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.
Prerequisites: 210, 211, 330, and/or permission of the Department.

THEA 394 Units: 1.5 or 3.0
Directed Studies in Applied Theatre
Supervised research in Applied Theatre culminating in the production of a specific project either written or practical.
Note: May be taken more than once for credit in different topics to a maximum of 3 units. Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.
Prerequisites: Permission of the Department.

THEA 395 Units: 1.5 or 3.0
Directed Studies in Production and/or Management
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 205 and/or permission of the Department.

THEA 396 Units: 1.5 or 3.0
Directed Studies in Scene Design
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 251, 252, 351, 352 and/or permission of the Department.

THEA 397 Units: 1.5 or 3.0
Directed Studies in Costume Design
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 362, 363, 364, and/or permission of the Department.

THEA 398 Units: 1.5 or 3.0
Directed Studies in Lighting Design
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 348, 349, and/or permission of the Department.

THEA 399 Units: 1.5 or 3.0
Theatre Laboratory
Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: Permission of the Department.

THEA 405 Units: 1.5 or 3.0 Hours: 0-6-2
Specialized Studies in Production and Management
Supervised practical experience in one or two specialized areas of production and management in the theatre.
Prerequisites: 305 and permission of the Department.

THEA 410 Units: 1.5 Hours: 3-0
Seminar in Theatre History: III
Intensive study of a specific period or genre. The topics for consideration will change each year. Students may take this course for credit more than once.
Note: Students in Humanities, Social Sciences and Science may take this course once only.
Prerequisites: 210 or permission of the Department.

THEA 411 Units: 1.5 Hours: 3-0
Seminar in Theatre History: IV
Intensive study of a specific period or genre. The topics for consideration will change each year. Students may take this course for credit more than once.
Note: Students in Humanities, Social Sciences and Science may take this course once only.
Prerequisites: 211 or permission of the Department.

THEA 412 Units: 1.5 Formerly: half of 420
Corequisites: 421 and 423.
Acting: I
Advanced work in acting.
Prerequisites: 421, 420.
Corequisites: 423 and 425.

THEA 413 Units: 1.5 Formerly: half of 430
Corequisites: 431 and 430.
Acting: II
Advanced work in acting.
Prerequisites: 421, 420.
Corequisites: 431 and 430.

THEA 414 Units: 1.5, formerly 3 Hours: 3-0
Studies in Canadian Theatre and Drama
The Canadian theatre and drama.
Note: Students should consult the Department for the topic to be considered. May be taken more than once for credit in different topics with permission of the Department.
Prerequisites: 211 or permission of the Department.

THEA 415 Units: 1.5 Hours: 0-4.5-0
Formerly: half of 450
Corequisites: 421 and 423.
Stage Movement: I
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 416 Units: 1.5 Hours: 0-4.5-0
Corequisites: 421 and 423.
Stage Movement: II
A continuation of 425. Advanced technique 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 417 Units: 1.5
Corequisites: 422 and 424.
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 418 Units: 1.5
Corequisites: 422 and 424.
Stage Movement: IV
A continuation of 425. Advanced technique 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 419 Units: 1.5
Corequisites: 422 and 424.
Theatre Performance
Supervised performance in Department productions.
Note: Credit will only be granted for no more than 6 units of any combination of 429, 229, 329. May be taken more than once for credit with permission of the Department.
Prerequisites: Permission of the Department.
Grading: COM, N, or F

THEA 421 Units: 1.5 Formerly: half of 420
Corequisites: 421 and 423.
Acting: V
Advanced work in acting.
Prerequisites: 421, 420.
Corequisites: 423 and 425.

THEA 422 Units: 1.5 Formerly: half of 420
Corequisites: 423 and 425.
Acting: VI
A continuation of 421. Advanced work in special challenges in acting.
Note: Credit will be granted for only one of 422, 420.

THEA 423 Units: 1.5 Formerly: half of 450
Corequisites: 424 and 426.
Speech in the Theatre: I
Advanced work in voice production and speech for the stage.
Note: Credit will be granted for only one of 423, 450.
Prerequisites: 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the Department.
Corequisites: 421 and 425.

THEA 424 Units: 1.5 Formerly: half of 450
Corequisites: 421 and 425.
Speech in the Theatre: II
A continuation of 423. Advanced work in voice production and speech for the stage.
Note: Credit will be granted for only one of 424, 450.
Prerequisites: 423; audition and/or interview; permission of the Department.
Corequisites: 422 and 426.

THEA 425 Units: 1.5 Formerly: half of 460
Corequisites: 423 and 426.
Stage Movement: I
Advanced techniques and improvisation in stage movement.
Note: Credit will be granted for only one of 425, 460.
Prerequisites: 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the Department.
Corequisites: 421 and 423.

THEA 426 Units: 1.5 Formerly: half of 460
Corequisites: 421 and 423.
Stage Movement: II
A continuation of 425. Advanced technique and improvisation in stage movement.
Note: Credit will be granted for only one of 426, 460.
Prerequisites: 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the Department.
Corequisites: 421 and 423.

THEA 427 Units: 1.5
Corequisites: 422 and 424.
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 435 Units: 3.0 Hours: 0-4.5
Applied Theatre: II
Advanced study of the theory and practice of Applied Theatre.
Prerequisites: 330, 335 and 335, or permission of the Department.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 330, 335 and 335, or permission of the Department.

THEA 453 Units: 1.5 or 3.0 Hours: 0-3
Scenic Design For Production
Design for Department productions.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 351, 352 and permission of the Department.

THEA 454 Units: 1.5 or 3.0 Hours: 0-3
Lighting Design For Production
Design for Department productions.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 348, 349 and permission of the Department.

THEA 464 Units: 1.5 Hours: 0-3
Formerly: 441
Special Pursuits in Costume Design
Special topics in costume design including costume accessories and fabric dyeing.
Note: Credit will be granted for only one of 464, 441.
Pre- or corequisites: 261, 361 and permission of the Department.

THEA 465 Units: 1.5 or 3.0 Hours: 0-4
Costume Design For Production
Supervised design and production in the execution of costumes for theatre production. Students will work with directors on design concepts, and carry out research. They will then prepare designs and see them through the construction process and unto the stage.
Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 261, 361, 363, 365 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.

TL
Teacher-Librarianship
Department of Curriculum and Instruction
Faculty of Education
Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDCC, IA, ME, PE, SNSC, TL.

THEA 435 Units: 1.5 Hours: 3-0
Formerly: LE 435
The Teacher-Librarian
The role of the teacher-librarian, administration of the school library resource centre, staffing supervision.

Note: Credit will be granted for only one of 433, LE 433.
Prerequisites: Professional Year.

WRIT 100 Units: 3.0 Hours: 3-0
Formerly: CW 100
Introduction to Writing
This course will present a nonhistorical survey of some of the basic structures in poetry, drama, creative non-fiction, and fiction and will involve the students in the writing and criticism of compositions in all four genres.
Note: Credit will be granted for only one of 100, CW 100.

WRIT 102 Units: 3.0 Hours: 3-0
Formerly: WRIT 103, WRIT 104
Introduction to Professional Non-Fiction
This introductory course prepares students to enter the Department's non-fiction genre courses and the Professional Writing Minor. The course will introduce students to the practical and theoretical basics of journalism, including writing for newspapers and magazines, as well as media history and analysis, and the basics of creative non-fiction.
Notes: - Credit will be granted for only one of 102, 101, 103, CW 101.
- Students are reminded that this is a prerequisite for the PW Minor.

WRIT 200 Units: 3.0 Hours: 3-0
Formerly: CW 200
The Theory and Practice of Literary Creation
A lecture course surveying the nature of the creative process and considering the many theories about it.
Note: Credit will be granted for only one of 200, CW 200.
Prerequisites: Second-year standing.

WRIT 201 Units: 3.0 Hours: 0-3
Formerly: CW 201
Poetry Workshop
A workshop in which the students are instructed in the writing of poetry.
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.
Note: Credit will be granted for only one of 203, CW 203. Class limit 15 students. It is highly recommended that students take this course if they are interested in pursuing film writing and production in WRIT 320.

WRIT 204 Units: 3.0 Hours: 0-3
Creative Non-Fiction Workshop
A workshop in which the students are instructed in the writing of creative non-fiction.
Note: Class limit 15 students.
Prerequisites: A minimum of B in 100.

WRIT 215 Units: 1.5 Hours: 3-0
Journalism
A lecture course in the theory and practice of journalism in Canada with an emphasis on local news beat writing.
Note: Credit will be granted for only one of 215, 205. Preference will be given to Professional Writing students.
Prerequisites: WRIT 102 (formerly WRIT 103 and WRIT 104) with a minimum of B+.

WRIT 216 Units: 1.5 Hours: 3-0
Magazine Writing
An introduction to the theory, craft and business of writing magazine stories for print and electronic publication.
Note: Credit will be granted for only one of 216, 206, 306 or 306 taken in 1995-96 or earlier.
Prerequisites: WRIT 102 (formerly WRIT 103 and WRIT 104) with a minimum of B+.

WRIT 217 Units: 1.5 Hours: 2-1
Formerly: WRIT 317
Design and Publishing
An introductory lecture/seminar for writers to the principles of effective page layout and basic design software for print and online publishing.
Note: Credit will be granted for only one of 217, 317.
Prerequisites: A minimum of B in WRIT 100 or WRIT 102 with a minimum of B+.

WRIT 230 Units: 1.5 Hours: 3-0
Writing a Sense of Place
A lecture course surveying writers who have made place a strong element in one or more works.
Prerequisites: Second-year standing.

WRIT 231 Units: 1.5 Hours: 3-0
A Study of Narrative
A lecture course that studies the elements of narrative and how it can play an essential role not only in fiction and drama, but also in poetry and creative non-fiction.
Prerequisites: Second-year standing.

WRIT 240 Units: 1.5 Hours: 3-0
Elements of Style
A lecture course exploring the effective use of stylistic elements in literary writing of all genres.
Prerequisites: A minimum of B in 100 or minimum of B+ in 102.

WRIT 300 Units: 1.5 Hours: 3-0
Narrative and Mythic Structure in Film Writing
A survey course of global cinema examining archetypal and mythic structure in classical narrative film writing.
Prerequisites: Second-year standing.

WRIT 302 Units: 1.5 Hours: 1-2
Special Study in Craft
A workshop/seminar in which students will focus on particular elements of writing applicable to more than one genre.
Prerequisites: Second-year standing.

Note: Credit will be granted for only one of 303, 302.
Prerequisites: A minimum of B in 100.
COURSE LISTINGS

WRIT 303  Units: 1.5  Hours: 0-3
Formerly: CW 303A/B
Poetry Workshop
Note: May be repeated once. Class limit 15 students.
Prerequisites: 201 or equivalent.

WRIT 304  Units: 1.5  Hours: 0-3
Formerly: CW 304A/B
Fiction Workshop
Note: May be repeated once. Class limit 15 students.
Prerequisites: 202 or equivalent.

WRIT 305  Units: 1.5  Hours: 0-3
Formerly: CW 305A/B
Drama Workshop
A workshop seminar in which the students are instructed and guided in the writing of drama for stage, radio, film and television.
Note: May be repeated once. Class limit 15 students.
Prerequisites: 203 or equivalent.

WRIT 306  Units: 1.5  Hours: 3-0
Formerly: CW 306B, WRIT 306B
Electronic Publishing
This course will deal with the practice and theory of electronic publishing and editing in the new millennium, including: HTML, WWW, databases, font design, networks and on-line training.
Note: Credit will be granted for only one of 306, 306B, CW 306B.
Prerequisites: WRIT 217 (formerly 317).

WRIT 307  Units: 1.5  Hours: 3-0
Formerly: CW 307
Basic Forms and Techniques in Poetry
A lecture course surveying the functions of specific poetic techniques in a representative group of poems. Aspects of poetics discussed will include prosody, sound patterns, diction and figurative language.
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 may 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, scenic structure, role of narrator, metaphor, diction, plot and dialogue.
Note: Credit will be granted for only one of 309, CW 309.
Prerequisites: Second-year standing.

WRIT 310  Units: 1.5  Hours: 3-0
Formerly: CW 310
Basic Forms and Techniques in the Novel
A lecture course surveying the structural composition and the function of techniques in a representative group of novels and novellas. Emphasis will be placed upon form and voice, as well as upon their relationship with such other elements of narrative as plot, character development, scene development and theme.
Note: Credit will be granted for only one of 310, CW 310.
Prerequisites: Second-year standing.

WRIT 311  Units: 1.5  Hours: 3-0
Formerly: CW 311
Structure in Stage Drama
A lecture course surveying the structural characteristics of stage drama.
Note: Credit will be granted for only one of 311, CW 311.
Prerequisites: Second-year standing.

WRIT 312  Units: 1.5  Hours: 3-0
Formerly: CW 312
Structure in Cinema and Television Drama
A lecture course surveying the structural characteristics of screen drama, making use of published film and television scripts, and of actual films.
Note: Credit will be granted for only one of 312, CW 312.
Prerequisites: Second-year standing.

WRIT 313  Units: 1.5  Hours: 3-0
Formerly: CW 313
Recurrent Themes
A lecture course surveying recurrent themes in film and/or English literature and in other literatures in translation.
Note: Credit will be granted for only one of 313, CW 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 in other literatures in translation.
Note: Credit will be granted for only one of 314, CW 314.
Prerequisites: Second-year standing.

WRIT 315  Units: 1.5  Hours: 2-1
Formerly: CW 315A & B
Advanced Journalism
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: 3 units from WRIT 215, WRIT 216, WRIT 217 (formerly 317) with a B+ average.

WRIT 316  Units: 1.5  Hours: 0-3
Formerly: CW 316A & B
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.
Prerequisites: 204; or with permission of the Department.

WRIT 320  Units: 1.5  Hours: 3-0
Formerly: CW 320
Film Writing and Production Workshop
An intermediate workshop in narrative filmmaking and the basic techniques of film production. There will be a focus on teamwork in the development of a dramatic script into a short motion picture using digital cameras and digital editing software.
Note: May be repeated once with permission of the Department.
Prerequisites: Any of the second-year workshops: 201, 202, 203 or 204, although 203 is strongly recommended.

WRIT 321  Units: 1.5  Hours: 2-1
Formerly: CW 317
Applied Issues in Journalism
Students will explore contemporary aspects and issues in journalism, including investigative reporting techniques, on-line editing strategies and ethical reporting.
Note: Credit will be granted for only one of 321, 317 if 317 taken in 1998 or 1999 Winter only. Open only to Professional Writing and Harvey Southam Diploma students.
Prerequisites: 3 units of 200-level Professional Writing courses.

WRIT 329  Units: 1.5
Twentieth-Century Film Writing
A lecture course that studies writing for film in the twentieth century. The focus may shift from Canadian film to American to European.
Prerequisites: Second-year standing.

WRIT 330  Units: 1.5  Hours: 3-0
Media and Culture
A lecture course surveying theories and controversies in mass media and popular culture from a writer’s perspective.
Note: May be repeated once in different content with permission of the Department.
Prerequisites: Second-year standing.

WRIT 331  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 332  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 335  Units: 1.5  Hours: 3-0
Creative Writing
A lecture course surveying theories and techniques in the writing of creative non-fiction.
Prerequisites: Second-year standing.

WRIT 336  Units: 1.5  Hours: 3-0
Directed Studies in Writing
Granted under special circumstances only.
Under the supervision of a full-time faculty member and with the approval of the Chair of the Department for work which can not be completed as part of a regular course.
Note: Credit will be granted for only one of 390, CW 390.
Prerequisites: 4.5 units of workshop credit, third or fourth-year standing, an A average in the area of specialization, and permission of the Department.

WRIT 391  Units: 1.5
Directed Studies in Writing
Granted under special circumstances only.
Under the supervision of a full-time faculty member and with the approval of the Chair of the Department for work which can not be completed as part of a regular course.

2006-07 UVIC CALENDAR

will be a focus on teamwork in the development of a dramatic script into a short motion picture using digital cameras and digital editing software.
Note: May be repeated once with permission of the Department.
Prerequisites: Any of the second-year workshops: 201, 202, 203 or 204, although 203 is strongly recommended.

WRIT 321  Units: 1.5  Hours: 2-1
Formerly: CW 317
Applied Issues in Journalism
Students will explore contemporary aspects and issues in journalism, including investigative reporting techniques, on-line editing strategies and ethical reporting.
Note: Credit will be granted for only one of 321, 317 if 317 taken in 1998 or 1999 Winter only. Open only to Professional Writing and Harvey Southam Diploma students.
Prerequisites: 3 units of 200-level Professional Writing courses.

WRIT 329  Units: 1.5
Twentieth-Century Film Writing
A lecture course that studies writing for film in the twentieth century. The focus may shift from Canadian film to American to European.
Prerequisites: Second-year standing.

WRIT 330  Units: 1.5  Hours: 3-0
Media and Culture
A lecture course surveying theories and controversies in mass media and popular culture from a writer’s perspective.
Note: May be repeated once in different content with permission of the Department.
Prerequisites: Second-year standing.

WRIT 331  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 332  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 335  Units: 1.5  Hours: 3-0
Directed Studies in Writing
Granted under special circumstances only.
Under the supervision of a full-time faculty member and with the approval of the Chair of the Department for work which can not be completed as part of a regular course.
Note: Credit will be granted for only one of 390, CW 390.
Prerequisites: 4.5 units of workshop credit, third or fourth-year standing, an A average in the area of specialization, and permission of the Department.

WRIT 391  Units: 1.5
Directed Studies in Writing
Granted under special circumstances only.
Under the supervision of a full-time faculty member and with the approval of the Chair of the Department for work which can not be completed as part of a regular course.
Note: Credit will be granted for only one of 391, CW 391. 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: 3-0
Formerly: CW 400
Special Genres Workshop/Seminars
A workshop seminar that will focus exclusively on a particular sub-genre, such as the prose poem, docudrama, dystopian fiction, lyric novel, or radio play.

Note: May be repeated once in different content with permission of the Department. Class limit 15 students.

Prerequisites: 3 units of 303, 304, 305, 316 and permission of the instructor.

WRIT 401 Units: 1.5 Hours: 0-3
Formerly: CW 401A/B
Advanced Poetry Workshop
A workshop in which the students are instructed in the writing of poetry.

Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units of 303 or equivalent.

WRIT 402 Units: 1.5 Hours: 0-3
Formerly: CW 402A/B
Advanced Fiction Workshop
A workshop in which the students are instructed in the writing of fiction.

Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units of 304 or equivalent.

WRIT 403 Units: 1.5 Hours: 0-3
Formerly: CW 403A/B
Advanced Drama Workshop
A workshop in which students are instructed in the writing for stage and screen.

Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units of 305 or equivalent.

WRIT 404 Units: 1.5 Hours: 0-3
Formerly: CW 404A
Introduction to Photojournalism
This course introduces basic photography for newspaper publication. Black-and-white photography will be emphasized. Camera handling, exposure, lighting, dark room techniques and digital photography will be covered.

Notes: - Credit will be granted for only one of 404, CW 404A.
- Open only to Professional Writing Co-op and Harvey Southam Diploma students. Class limit 16 students.
- Students will require a 35mm camera with light meter and approximately $45-$60 for materials. Darkroom facilities and digital cameras will be provided by the Department.

Prerequisites: WRIT 102 (formerly WRIT 103 and WRIT 104).

WRIT 405 Units: 1.5 Hours: 0-3
Introduction to the Prose Poem
A seminar and workshop concentrating on the prose poem. Aspects of the form that will be discussed will include rhythm, narrative, voice, figurative language, imagery, and point of view.

Prerequisites: 3 units from any 300-level workshop.

WRIT 406 Units: 1.5 Hours: 0-3
Writing Fiction for Children
This workshop seminar will focus on writing for children. The course is designed to familiarize writers with the different types of children’s books and the requirements for writing books for children in any particular form or subject area. Those elements necessary for writing successful children’s literature will be examined. Students will be expected to write stories for children in selected forms such as the picture book, the chapter book, the Young Adult novel.

Prerequisites: 3 units from any 300-level workshop.

WRIT 408 Units: 1.5 Hours: 0-3
Advanced Photojournalism
The course is intended as a continuation of WRIT 404. Emphasis will be on photographic news, feature and sports events, with the goal of completing a photojournalism portfolio. Advanced techniques and the history of photojournalism will be covered.

Note: Students will require a 35mm camera, at least two lenses and approximately $75-$100 for supplies. Darkroom facilities supplied by the Department.

Prerequisites: WRIT 404 with a minimum of B+ or equivalent. Students must have a good knowledge of camera handling and basic digital techniques.

WRIT 410 Units: 1.5 Hours: 3-0
Special Genres Lecture
A lecture course examining elements of craft in a particular genre, such as nature writing, travel narrative, the prose poem or children’s literature.

Note: May be repeated once in different content with permission of the Department.

Prerequisites: Third-year standing.

WRIT 412 Units: 1.5 Hours: 0-3
Recurrent Themes in Film
A lecture seminar allowing students to develop the craft of writing about film through study of selected directors, film trends, and national cinemas.

Note: May be repeated once in different content with permission of the Department.

Prerequisites: Second-year standing or permission of the Department.

WRIT 416 Units: 1.5 Hours: 0-3
Formerly: CW 416
Advanced Creative Non-Fiction Workshop
A workshop in which the students are instructed in the writing of creative non-fiction

Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units of 316.

WRIT 417 Units: 1.5
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 can not be completed as part of a regular course.

Note: Credit will be granted for only one of 490, CW 490.

Prerequisites: 7.5 units of workshop credit, third or fourth-year standing, an A average in the area of specialization and permission of the Department.

WRIT 491 Units: 1.5
Formerly: CW 491
Directed Studies in Writing
Granted under special circumstances only.

Under the supervision of a full-time faculty member and with the approval of the Chair of the Department for work which can not be completed as part of a regular course.

Note: Credit will be granted for only one of 491, CW 491.

Prerequisites: 7.5 units of workshop credit, third or fourth-year standing, an A average in the area of specialization and permission of the Department.

WRIT 495 Units: 3.0
Senior Thesis Project
The thesis project will be done under the guidance of an individual tutor.

Note: For Diploma students only.

Grading: INF, COM, N, F

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 behaviors associated with the production, distribution, preparation and consumption of food. Topics may include: the symbolism and uses of food in particular cultural settings; connections between women and food in a globalized, North American food system; representations of gendered foodways in literature and film; health, food and disordered eating; the place of commensality in community-building.
Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

WS 206 Units: 1.5 Hours: 3-0
Globalization and Resistance
Inquiry into the implications of the complicated spread of global interdependence in political, economic, and cultural arenas for women's lived experiences. Also explores women's challenges to economic 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.

WS 207 Units: 1.5 Hours: 3-0
Indigenous Women in Canada
Examines the ways in which Indigenous women have experienced and resisted the process of colonization in the past and present.
Note: Credit will be granted for only one of 207, 102.
Prerequisites: One of 103, 104, 110, or permission of the instructor.

WS 310 Units: 1.5 Hours: 3-0
Power, Work and Justice
Analyzes the broad themes of power, work and (in)justice by considering such issues as violence against women and the role of the state, restructuring and globalization, women's work and poverty. Analyzes sexism, racism and class in a global socio-economic and historical framework, and considers the struggles of women's organizations working for change.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210; or permission of the instructor.

WS 311 Units: 1.5 Hours: 3-0
Sex Work, Trafficking and Human Rights
Within the context of the global economy, examines current debates about sex work as well as transnational migration and trafficking of women into various sites, including the sex industry. Two foci are the complex interface of race, class, gender and sexuality in the international division of labour, as well as policy and grassroots responses to these phenomena at the national and international levels.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210; or permission of the instructor.

WS 312 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.

WS 313 Units: 1.5 Hours: 3-0
Multiculturalism, Nationalism and Feminism
Examination of the politics of feminism and multiculturalism as they have been structured through dominant and competing nationalisms in Canada and other nation-states. Explores the contested construction of categories of citizenship and national identities and the implications for political action.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210; or permission of the instructor.

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.
### WS 338 Transnational Feminist Theories
Seminar examines the emerging field of transnational feminist thought by introducing students to feminist approaches to understanding transnationalisms. Uses an interdisciplinary approach to explore: global/local interactions, migration and territorialization; women’s 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:** Third-year standing or permission of the instructor.

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### WS 339 Topics in Feminist Theories and Activism
Variable content course on aspects of feminist theories and activism as they pertain to women’s lives.

**Note:** No limit to number of credits if taken in different topics.

**Prerequisites:** Second-year standing or permission of the instructor.

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### WS 340 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; women’s 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.

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### WS 341 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; or permission of the instructor.

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### WS 342 Body, Language and Spirit
Based on literature and film from a variety of cultural contexts, examines women’s creativity as a means of shaping consciousness, recovering bodily integrity, and challenging oppressive boundaries.

**Prerequisites:** One of 203, 204, 205, 206, 207, 210; or permission of the instructor.

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### WS 343 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.

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### WS 344 Reimagining History in Contemporary Women’s Fiction
Study of contemporary Canadian and American novels that revise or resist the dominant historical narratives central to nation-building. Each of the texts focuses on subaltern characters and forgotten events as a way of exploring the effects of colonialism, forced migration, war, racism, poverty, heteronormativity, religious intolerance, gender violence. Novels will be studied within the context of pertinent historical readings, films or lectures.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210; or permission of the instructor.

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### WS 345 Transnational Feminist Theories
Study and practice of feminist research methods.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210; minimum 4.5 units of upper-level WS courses which must include WS 330A; or permission of the instructor.

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### WS 346 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 153.

**Note:** Open only to Women’s Studies Major or Honours students, and requires permission of the instructor.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210; any three 300-level WS courses.

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### WS 347 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; minimum of 6 units of upper-level WS credit; or permission of the instructor.

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### WS 348 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; minimum of 6 units of upper-level WS credit; or permission of the instructor.

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### WS 349 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.

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### WS 400A Feminist Research Practices
Study and practice of feminist research methods.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210; minimum 4.5 units of upper-level WS courses which must include WS 330A; or permission of the instructor.

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<th>Hours</th>
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<tbody>
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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.

The University of Victoria came into being on July 1, 1963, but it had enjoyed a prior tradition as Victoria College of sixty years distinguished teaching at the university level. This sixty years of history may be viewed conveniently in three distinct stages.

Between the years 1903 and 1915, Victoria College was affiliated with McGill University, offering first- and second-year McGill courses in Arts and Science. Administered locally by the Victoria School Board, the College was an adjunct to Victoria High School and shared its facilities. Both institutions were under the direction of a single Principal: E.B. Paul, 1903-1908; and S.J. Willis, 1908-1915. The opening in 1915 of the University of British Columbia, established by Act of Legislature in 1908, obliged the College to suspend operations in higher education in Victoria.

In 1920, as a result of local demands, Victoria College began the second stage of its development, reborn in affiliation with the University of British Columbia. Though still administered by the Victoria School Board, the College was now completely separated from Victoria High School, moving in 1921 into the magnificent Dunsmuir mansion known as Craigdarroch. Here, under Principals E.B. Paul and P.H. Elliott, Victoria College built a reputation over the next two decades for thorough and scholarly instruction in first- and second-year Arts and Science.

The final stage, between the years 1945 and 1963, saw the transition from two year college to university, under Principals J.M. Ewing and W.H. Hickman. During this period, the College was governed by the Victoria College Council, representative of the parent University of British Columbia, the Greater Victoria School Board, and the provincial Department of Education. Physical changes were many. In 1946 the College was forced by post-war 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 degree.

In granting autonomy to the University of Victoria, the University Act of 1963 vested administrative authority in a Chancellor elected by the Convocation of the University, a Board of Governors, and a President appointed by the Board; academic authority was given to a Senate which was representative both of the Faculties and of the Convocation.

Principal Officers and Governing Bodies

Chancellor
Ronald Lou-Poy, QC, BComm, LLB

President and Vice- Chancellor
David H. Turpin, BSc, PhD, FRSC

Vice-President Academic and Provost
Jamie L. Cassels, BA, LLB, LLM

Vice-President, Research
S. Martin Taylor, BA, MA, PhD

Vice-President, Finance and Operations
Jack Falk, BA, MPA

Vice-President, External Relations
Valerie Kuehne, BScN, MEd, MA, PhD

Board of Governors
Ex Officio Members
Chancellor Ronald Lou-Poy, QC, BComm, LLB
President David H. Turpin, BSc, PhD, FRSC

Members Appointed by the Lieutenant Governor in Council
Trudi Brown, QC, BA, LLB
Eric Donald, BA
Peter Ciceri, BA
Murray Farmer, BA
Gail Flitton, BA
John Evans
Jane Peverett, BCom, CMA, MBA

Members Elected by the Faculty Members
Peter Driessen, BSc, PhD
Peter Liddell, MA, PhD

Members Elected by the Student Association
Chadi Akouri
Penny Beames

Members Elected by the Employees
Sarah Webb

Secretary
Julia Eastman, BA, MA, PhD, University Secretary

Senate
Ex Officio Members
Oscar Casiro, MD, Head, Division of Medical Sciences
Jamie L. Cassels, BA, LLB, LLM, Vice-President Academic and Provost
Ali Dastmalchian, BSc, MSc, PhD, Dean, Faculty of Business
Mary Ellen Purkis, BSN, MSc, PhD, Faculty of Human and Social Development
Aaron Devor, BA, MA, PhD, Dean, Faculty of Graduate Studies
Budd Hall, BA, MA, PhD, Dean, Faculty of Education
Giles W. Hugley, BA, MA, PhD, Dean, Faculty of Fine Arts
Peter Keller, BA, MA, PhD, Dean, Faculty of Social Sciences
Wesley Koczka, BA, BEd, MA, EdD, Dean, Division of Continuing Studies
Ronald Lou-Poy, QC, BComm, LLB, Chancellor
D. Michael Miller, BSc, MSc, PhD, Dean, Faculty of Engineering
Tom Pedersen, BSc, PhD, Dean, Faculty of Science
Andrew Potter, LLB, LLM, Dean, Faculty of Law
Members Elected by the Individual Faculties

Business
Anthony Goerzen, BA, PhD
Ian Stuart, BSc, MBA, PhD

Education
Robert Anthony, BA, MA, PhD
Leslee Francis Pelton, BSc, MA

Engineering
Afzal Suleman, BSc, MSc, PhD
Fayez Gebali, BSc, PhD

Fine Arts
Jan Wood, BFA
TBE

Graduate Studies
John Dower, BSc, PhD
Anne Marshall, BA, MA, PhD

Human and Social Development
Sibylle Artz, BA, MA, PhD
Jeanine Moreau, BSN, MN

Humanities
Annalee Lepp, BA, MA, PhD
TBE

Law
Martha O’Brien, BA, LLB, LLM
Heather Raven, BA, LLB

Science
Adam Monahan, BSc, MSc, PhD
Robert Burke, BSc, PhD

Social Sciences
Kenneth Stewart, BA, MA, MSc, PhD
TBE

Members Elected by the Faculty Members
Ted Darcie, BSc, MASC, PhD
Isobel Dawson, BSc, MSc, MA, PhD
Lynda Gammon, BA, MFA
Amy Verdun, MA, PhD
Reginald Mitchell, BA, MA, PhD
Patricia Kostek, BSc, MMus
Peter Murphy, BA, BEd, MED, PhD
Olaf Niemann, BSc, MSc, PhD
Mary Ellen Purkis, BSN, MSc, PhD
Gordon Fulton, BA, MA, PhD
Evelyn Cobley, BA, MA, PhD
Ismet Ugursal, BSc, MEng, PhD

Members Elected by the Student Association

Full-time Students (Terms expire June 30, 2007)
Cory Bargen
Naomi Devine
Michael Franzmann
Stuart Hill
Gordon Hunter
Jonny Morris
Richard Park
Deborah Schwartz
Roselynn Verwood

Members Elected by the Convocation (Terms expire December 31, 2006)
Cheryl Borris, BMus, MA
Betty Clazie, BEd, MA

Members Elected by the Individual Faculties

Business
Anthony Goerzen, BA, PhD
Ian Stuart, BSc, MBA, PhD

Education
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Cheryl Borris, BMus, MA
Betty Clazie, BEd, MA

Larry Cross, BEd
Andrew MacPherson, BSc, MD

Members Elected by the Professional Librarians
Inbarani Kehoe, BA, MLS

Long Service Sessional
Sunil Kaplash, BA, MA, MBA

Secretary Registrar
Julia Eastman, BA, MA, PhD, University Secretary

Foundation for the University of Victoria

Members of the Board
Michael Marley
Andrew Rachert, BA, MA, LLB (Chair)
Gail Flitton, BA

Officers
President: David H. Turpin, BSc, PhD, FRSC
Treasurer: Kristi Simpson

Secretary
Julia Eastman, BA, MA, PhD

University of Victoria Foundation

Members of the Board
Lana Denoni
Jack Falk, BA, MPA (ex officio)
Jane Heffelfinger, BA
Lisa Hill
A. Wayne Hopkins, BComm, MBA, PhD, FCA
Valerie Kuehne, BScM, MED, MA, PhD
Susan Mehinagic, CA, LLB (Chair)
President David H. Turpin, BSc, PhD, FRSC (ex officio)
John van Cuylenborg, BA, LLB
Shannon von Kaldenberg, (President)
Kristi Simpson (ex officio) (Treasurer)
Anne Wortmann

Secretary
Julia Eastman, BA, MA, PhD

Faculty and Staff Emeritus and Honorary Degree Recipients

Chancellors Emeritus
William Gibson, BA, MSc, MD, DPhil, LLD, FRCP
Ian McTaggart-Cowan, OC, BA, PhD, LLB, DEnvSt, DSc, FRSC
Norma Mickelson, CM, OBC, BEd, MA, PhD
The Honourable Robert Rogers, OC, KStJ, CD, OBC, Hon LLD (S Fraser), Hon DScM (RRMC), Hon LLD (UVic), Hon LLD, (Brit Col)

Presidents Emeritus
Howard E. Petch, BSc, MSc, PhD, DSc, LLB, FRSC
David Strong, BSc, MSc, PhD, FRSC

Faculty, Senior Instructors and Librarians Emeritus 2005-2006
Douglas Beardsley, BA (UVic), MA (York)
Edward Berry, AB (Wesleyan), MA, PhD (Calif, Berkeley)
Isobel Dawson, BSc (McGill), MSc (St Louis), MA, PhD (Tor)
Mary Dayton-Sakari, BSc (Calif-Pomona), MED, PhD (Alta)
Michael Edgell, BA (Birm), Conservation Dip (London), PhD (Birm)
Patrick Grant, BA (Queen's, Belfast), D Phil (Sussex)
Roger Graves, BS, PhD (MIT)
Carol Harris, BA (Acadia), MED (Nfld), PhD (Tor)
Geoffrey Hett, BEd (UVic), MS, PhD (Oregon)
Wolfgang Hoefer, Diplom-Ingenieur (Tech U Aachen), Docteur-Ingenieur (Grenoble)
Bruce Howe, BS, MS, PhD (Oregon)
John McLaren, LLB (St. Andrews), LLM (London), LLM (Michigan)
Eric Manning, BSc, MSc, (Waterloo), PhD (Ill)
Charles Morgan, BS (Memphis), MSc (Alta), MSc, (UVic), MS, PhD
(Johns Hopkins)Antoinette Oberg, BA, MEd (Was), PhD (Alta)
James Provan, BSc (Strathclde Univ), MSc, PhD (Univ of Colorado)
Stephen Scobie, MA (St And), PhD (Brit Col)
John Schofield, BA, (Durham), MBA (Indiana), MA, PhD (Simon Fraser U)
Nelson Smith, AB (Princeton), MAT (Oberlin), PhD (Wash)
Donna Signori, BA, MA (Brit Col), MLS (Tor)
Janet Storch, BScN, MHSA, PhD (Alta)
Rodney Symington, BA (Leeds), PhD (McG)
Derek Turton, BA (Leeds), Cert Ed (Nott), M Phil (Leeds)
Max Uhlemann, BS, MS, PhD (Colorado St)

Honorary Degree Recipients 2005
Mervyn Wilkinson, LLD, November 2005
Dr. Bjarni Tryggvason, DEng, November 2005
Albert Hung Chao, LLD, Special Convocation held in Hong Kong, May 2005
The Honourable Ted Hughes, LLD, May 2005
Karen Hughes, LLD, May 2005
Gary Karr, DMus, May 2005
The Honourable Roméo Dallaire, Senator, LLD, May 2005
Dr. Thomas Brzustowski, DSc, May 2005
Madam Justice Beverley Browne, LLD, Special Convocation held in Iqaluit, Nunavut, June 2005
Lucien Ukaliannuk, LLD, Special Convocation held in Iqaluit, Nunavut, June 2005

University Regalia

Chancellor
Gown purple corded silk, trimmed with purple velvet and gold braid
Headdress Tudor style in purple velvet with gold cord trim

President
Gown royal blue corded silk, trimmed with blue velvet and gold braid
Headdress Tudor style in blue velvet with gold cord trim

Chancellor Emeritus
Gown purple corded silk, with gold velvet panels and trimmed with purple velvet strips edged with gold piping
Headdress Tudor style in purple velvet with gold cord trim

President Emeritus
Gown royal blue corded silk, with gold velvet panels and trimmed with blue velvet strips edged with red piping
Headdress Tudor style in blue velvet with gold cord trim

Board of Governors
Chair Gown traditional (Canadian) bachelor's style in black wool blend with front facings and sleeve linings in gold silk
Headdress Black cloth mortarboard with black silk tassel or Tudor style in black velvet with red cord

Member Headdress and Gown as above, but with front facings in black

Honorary Doctorate of Laws (Hon LLD)
Gown Cambridge (Doctor of Music) pattern, scarlet wool broadcloth, trimmed with blue-purple silk taffeta

Hood Aberdeen pattern, outside shell of scarlet wool broadcloth, lined with blue-purple silk taffeta

Headdress Tudor style in black velvet with red cord trim

Honorary Doctorate
Gown Cambridge (Doctor of Music) pattern, scarlet wool, front facings and sleeve lining of black silk taffeta

Hood Aberdeen pattern, outside shell of black wool, lined with silk taffeta in a solid colour with a one inch band of black velvet on the outside edge
- HonDLitt: white
- HonDMus: pink
- HonDEd: blue
- HonDSc: gold
- HonDEng: orange
- HonDSN: apricot
- HonDFA: green

Headdress Tudor style in black velvet with red cord trim

Bachelors
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
- BSEN: pale yellow
- LLB: blue-purple

Headdress standard black cloth mortarboard with black silk tassel

Masters
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:
- MA: orange MPA: russet

Headdress standard black cloth mortarboard with black silk tassel

Doctors
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</th>
<th>2004/05</th>
<th>2005/06</th>
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<tbody>
<tr>
<td>Faculty of Business</td>
<td></td>
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<tr>
<td>Second Year</td>
<td>7</td>
<td>10</td>
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<tr>
<td>Third Year</td>
<td>175</td>
<td>169</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>202</td>
<td>228</td>
</tr>
<tr>
<td>Unclassified as to year</td>
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<tr>
<td>Total in Faculty</td>
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<td>Faculty of Education</td>
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<tr>
<td>Third Year</td>
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<td>166</td>
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<tr>
<td>Fourth Year</td>
<td>192</td>
<td>185</td>
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<tr>
<td>Fifth Year</td>
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<tr>
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<tr>
<td>Faculty of Engineering</td>
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<td>First Year</td>
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<td>256</td>
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<tr>
<td>Third Year</td>
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<tr>
<td>Faculty of Fine Arts</td>
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<td>227</td>
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<td>Total in Faculty</td>
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<tr>
<td>Faculty of Human and Social Development</td>
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<tr>
<td>First Year</td>
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<tr>
<td>Faculty of Humanities</td>
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<tr>
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<td>Third Year</td>
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<tr>
<td>Fourth Year</td>
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<td>373</td>
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<tr>
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<td>Total in Faculty</td>
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<tr>
<td>Faculty of Law</td>
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<tr>
<td>First Year</td>
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<tr>
<td>Second Year</td>
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<td>Third Year</td>
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<tr>
<td>Total in Faculty</td>
<td>341</td>
<td>336</td>
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<tr>
<td>Faculty of Science</td>
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<tr>
<td>First Year</td>
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<tr>
<td>Second Year</td>
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<tr>
<td>Third Year</td>
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<tr>
<td>Fourth Year</td>
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<tr>
<td>Total in Faculty</td>
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### Division of Medical Sciences

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<tr>
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<tbody>
<tr>
<td>Unclassified</td>
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<tr>
<td>Total in Division</td>
<td>24</td>
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</tr>
<tr>
<td>Total full-time undergraduates</td>
<td>10,431</td>
<td>10,781</td>
</tr>
<tr>
<td>Total part-time undergraduates</td>
<td>5,489</td>
<td>5,726</td>
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<tr>
<td>Total undergraduates</td>
<td>15,920</td>
<td>16,907</td>
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### Faculty of Graduate Studies

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<td>Full-time</td>
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<td>2003</td>
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<tr>
<td>Part-time</td>
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</tr>
<tr>
<td>Total in Faculty</td>
<td>2,400</td>
<td>2,423</td>
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### University Total

<table>
<thead>
<tr>
<th></th>
<th>2004/05</th>
<th>2005/06</th>
</tr>
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<tbody>
<tr>
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<td>5,726</td>
</tr>
<tr>
<td>Total undergraduates</td>
<td>15,920</td>
<td>16,907</td>
</tr>
</tbody>
</table>

### Full-Time Undergraduate and Graduate Students of Non-BC Origin

<table>
<thead>
<tr>
<th>Province</th>
<th>2004/05</th>
<th>2005/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alberta</td>
<td>722</td>
<td>884</td>
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<tr>
<td>Manitoba</td>
<td>78</td>
<td>82</td>
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<tr>
<td>New Brunswick</td>
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<td>Newfoundland</td>
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<td>Northwest Territories</td>
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<tr>
<td>Nova Scotia</td>
<td>75</td>
<td>78</td>
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<tr>
<td>Ontario</td>
<td>788</td>
<td>838</td>
</tr>
<tr>
<td>Prince Edward Island</td>
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<td>7</td>
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<tr>
<td>Quebec</td>
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<tr>
<td>Saskatchewan</td>
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<td>105</td>
</tr>
<tr>
<td>Yukon</td>
<td>2</td>
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<tr>
<td>Other Countries</td>
<td>1,096</td>
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</tr>
<tr>
<td>Total</td>
<td>3,071</td>
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### Degrees Conferred in 2004/2005

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EXECUTIVE AND ADMINISTRATIVE OFFICERS

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<th>Position</th>
<th>Name</th>
<th>Fax</th>
<th>Phone</th>
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<tr>
<td>President</td>
<td>Dr. David H. Turpin</td>
<td>721-8654</td>
<td>721-7002</td>
</tr>
<tr>
<td>Chancellor</td>
<td>Dr. Ronald Lou-Poy</td>
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<tr>
<td>Chair, Board of Governors</td>
<td>Ms. Trudi Brown</td>
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<tr>
<td>University Secretary and Secretary, Board of Governors and Senate</td>
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<td>Vice-President Academic and Provost</td>
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<td>Acting Vice-President External Relations</td>
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<tr>
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<tr>
<td>Office of Equity and Human Rights Director, Equity</td>
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<tr>
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<tr>
<td>Aboriginal Liaison Officer</td>
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<tr>
<td>Dean of Continuing Studies</td>
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<td>721-8221</td>
</tr>
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| Faculty of Business | Dr. Tom Anglin | 721-7066 | 472-4728 |
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| CS: Programs | 721-7748 | 472-5165 |
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Avril Taylor (Co-Director) 721-8747
Health and Learning Knowledge Centre:
Robert Austin 721-7767
721-7833
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