

# College Calendar

SUMMER 2011

**Langara.**

THE COLLEGE OF HIGHER LEARNING.

# College Calendar

**SUMMER 2011**

## **CONTACT INFORMATION**

Main Switchboard	Tel. 604.323.5511	Fax 604.323.5555
Registrar's Office	Tel. 604.323.5241	Fax 604.323.5590
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Continuing Studies	Tel. 604.323.5322	Fax 604.323.5899

Langara College reserves the right to alter or discontinue programs, courses, fees, and policies and procedures regulating admission, registration, and graduation from the College. Regulations affecting the student body may be changed in accordance with College governance policies and are effective as determined by the appropriate College authorities. Revisions apply to prospective students as well as registered students. Please refer to the Langara College website for current information.

# Table of Contents

Contact Information	1	Post-Secondary School Course Prerequisites (Transfer Credit)	14	Emergency Loans	23
<b>Schedule of Important Dates</b>	<b>4</b>	Registration on a Non-Credit Basis (Audit)	14	Langara College Scholarships	23
2010 Fall Semester (201030)		Registration for New Students	14	Langara College Bursaries	23
September - December	4	Registration for Returning Students	15	<b>Student Support Services</b>	<b>24</b>
2011 Spring Semester (201110)		Academic Standing and Re-registration Requirements	15	Athletics and Intramurals	24
January - April	4	<b>College and Student Responsibilities</b>	<b>16</b>	Bookstore	24
2011 Summer Semester (201120)		College and Student Responsibilities	16	Child Development Centre	24
May - August	5	Student and Faculty Responsibilities	16	Counselling Department	24
2011 Fall Semester (201130)		Attendance	16	Disability Services	25
September - December	5	Academic Freedom	16	Aboriginal Students	25
<b>Langara College</b>	<b>7</b>	<b>Fees</b>	<b>17</b>	Health Services	25
Mission	7	Introduction	17	Learning Centre	26
History	7	Registration on a Non-Credit (Audit) Basis - Regular Studies	17	Library and Media Services	26
Facilities	7	Senior Citizen Tuition Fee Exemption	17	The Library	26
Academic Breadth	7	Fee Payment (Regular Studies)	17	Instructional Media Services	26
Affiliation	7	Fee Receipts - T2202A Certificates (Tuition and Education Amounts)	17	Lost and Found	27
Regular Studies	7	Fee Refunds	17	Orientation for New Students	27
Semester System	7	Outstanding Debt and NSF Payments	17	Parking	27
Graduation	7	<b>Grading</b>	<b>18</b>	Registrar's Office	27
Course Load	7	Assignments and Classwork	18	Student Identification Cards	27
Full Time/Part Time Definition	7	Final Examinations	18	<b>Credentials Offered at Langara</b>	<b>28</b>
Program Start Dates	7	Grade Point Average, Semester (Sem GPA)	18	Bachelor's Degrees	28
Day/Evening/Weekend Offerings	7	Grade Point Average, Cumulative (CGPA)	18	Associate Degrees	28
<b>Admission Information</b>	<b>8</b>	Withdrawals	18	Diplomas	28
General Requirements	8	Final Grades	18	Certificates	28
Specific Program Requirements	8	Repeating a Course: Credits, grades, and GPAs	18	Citations	28
Admission Requirements	8	Appeal of Final Grades	18	<b>LANGARA COLLEGE</b>	
Transfer Credit	9	<b>Academic Records &amp; Official Transcripts</b>	<b>19</b>	<b>PROGRAM INFORMATION</b>	<b>29</b>
<b>Application for Admission</b>	<b>10</b>	<b>Graduation</b>	<b>19</b>	<b>Programs at a Glance</b>	<b>30</b>
How To Apply	10	Application for Graduation	19	<b>Programs: Overview</b>	<b>32</b>
Application Dates	10	Confirmation of Graduation	19	Arts and Science (University Transfer) Programs	32
New Students	10	Graduation with Distinction	19	Arts and Science Limited Enrolment Programs	32
Application Requirements	10	Requests for Graduation Adjudication	19	Interdisciplinary Studies Programs	32
Reactivation of Application	10	<b>Grades, Grade Points &amp; Notations</b>	<b>20</b>	External Studies Programs	32
Returning Students	10	<b>Credentials</b>	<b>21</b>	Career Programs	33
<b>Application for Admission</b>	<b>11</b>	Credentials	21	General Education Program	33
How To Apply	11	Multiple Credentials	21	Co-ordinated Programs	33
Application Dates	11	Credentials Offered	21	<b>Co-operative Education</b>	<b>34</b>
Application Requirements	11	<b>Financial Aid</b>	<b>22</b>	Introduction	34
<b>International Students</b>	<b>12</b>	Introduction	22	Graduation	34
Introduction	12	General Information	22		
Admission Requirements for Arts and Science (University-Transfer) Programs	12	StudentAid BC	22		
Admission Requirements for Career and Arts and Science Limited Enrolment Programs	12	Adult Basic Education Student Assistance Program (ABESAP)	22		
How to Apply to all Programs - The Application Process	13	Student Work Assistance Program (SWAP)	22		
Documents Required for Application Evaluation	13	Out-of-Province Student Loan Program	22		
Application Dates	13	Canada Study Grant Program for High Need Part-Time Students (HNPT - CSG)	23		
<b>Registration</b>	<b>14</b>	Canada Grant for Persons with Permanent Disabilities (CSGP-PD)	23		
Access to the Registration System	14				
Personal Identification Number	14				
Prerequisites	14				
Secondary School Course Prerequisites	14				

**LANGARA COLLEGE PROGRAMS 35**

Aboriginal Studies	36
Applied Computer Science and Technology	39
Applied Urban and Rural Planning	40
Arts (General)	43
Arts and Science (General)	44
Asian Studies	44
Biology	45
Business Administration	46
Business Management	50
Canadian Studies	52
Chemistry	52
Chinook Business Program	53
Classical Studies	54
Commerce & Business Studies	55
Commerce	55
Computer Science	56
Creative Writing	59
Criminal Justice	60
Design Formation	61
Dietetics	63
Early Childhood Education	64
Education Assistant	66
Engineering	67
English	68
Environmental Studies	68
Family Studies	70
Field Studies	71
Film Arts (Writing/Acting/Directing)	71
Financial Management	73
Fine Arts	74
General Education	76
Geography	76
Health Sciences	76
Human Kinetics	79
Institute	80
International Business Management	80
Internet/Web Computing and Software Development	80
Journalism	82
Latin American Studies	84
Leisure Studies	85
Library & Information Technology	86
Management Information Systems	88
Marketing Management	90
Nursing	92
Nutrition and Food Service Management	97
Peace and Conflict Studies	100
Physics	101
Professional	
Computer Science and Technology	102
Professional Photo-Imaging	103
Publishing	105
Psychology	106
Recreation Leadership	107
Science (General)	109
Social Service Worker	110
Theatre Arts at Studio 58	111
Web Technology	114
Women's Studies	115

**LANGARA COLLEGE COURSE INFORMATION 117**

<b>Langara Course Information</b>	<b>118</b>
Introduction	118
Course Descriptions	118
Course Numbering	118
Prerequisites	118
Associate Degree Course Attributes	118
Credits	119
Transferability of Courses	119
Hours of Instruction	119
Half-semester Courses	119
Distance Education Courses - Online or Guided Independent Study	119

<b>Langara Course Information</b>	<b>120</b>
Courses and Subject Code Table	120

**LANGARA COLLEGE COURSES 121**

Aboriginal Studies (ABST)	122
Anthropology (ANTH)	123
Applied Planning (APPL)	125
Art History (AHIS)	127
Asian Studies (ASIA)	129
Astronomy (ASTR)	131
Biology (BIOL)	132
Business Computer Applications (BCAP)	135
Business Management (BUSM)	136
Canadian Studies (CNST)	139
Chemistry (CHEM)	139
Chinese (CHIN)	141
Classical Studies (CLST)	144
Co-operative Education (COOP)	144
Communications (CMNS)	145
Computer Science (CPSC)	146
Computing Sc & Information Sys (CSIS)	150
Criminal Justice (CJUS)	151
Criminology (CRIM)	151
Design (DSGN)	153
Early Childhood Education (ECED)	155
Economics (ECON)	158
Education Assistant (EDAS)	159
English (ENGL)	160
Environmental Studies (ENVS)	165
Family Studies (FMST)	165
Field Studies - Canadian (FSCA)	166
Field Studies - International (FSIE)	166
Film Arts (FLMA)	167
Financial Management (FMGT)	169
Fine Arts (FINA)	171
Food Services (FSRV)	174
French (FREN)	175
Geography (GEOG)	176
Geology (GEOL)	178
Greek (GREK)	179
Health Sciences (HSCI)	179
History (HIST)	181
Human Kinetics (HKIN)	184
Institute (INST)	186
International Business (INTB)	186
Japanese (JAPN)	188
Journalism (JOUR)	189
Latin (LATN)	190

Latin American Studies (LAMS)	191
Library (LIBR)	191
Marketing (MARK)	193
Mathematics (MATH)	196
Nursing (NURS)	201
Nutrition (NUTR)	204
Peace & Conflict Studies (PCCN)	205
Philosophy (PHIL)	205
Physical Education (PHED)	207
Physics (PHYS)	208
Political Science (POLI)	209
Professional Photography (PHOT)	211
Psychology (PSYC)	213
Publishing (PUBL)	216
Recreation (RECR)	218
Religious Studies (RELS)	220
Social Service Worker (SSRV)	221
Sociology (SOCI)	222
Spanish (SPAN)	224
Statistics (STAT)	224
Theatre Arts (THEA)	226
Women's Studies (WMST)	227

<b>Index</b>	<b>231</b>
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# Important Dates

## 2010 FALL SEMESTER (201030) SEPTEMBER - DECEMBER

Refer to the Fall Semester 2010 Registration Guide and Course Schedule on the Langara website for updates to this schedule or important information concerning registration and deadline dates for fee payment, refunds, course drops and adds, and withdrawals.

### \*\*Course Withdrawal Periods - Important Notice\*\*

Oct. 1:	Last day to withdraw from Sept. - Oct. half-semester courses.
Oct. 29:	Last day to withdraw from regular semester courses.
Nov. 19:	Last day to withdraw from Oct. - Dec. half-semester courses.
Jun. 22:	Fall Semester 2010 registration begins. See the 201030 Registration Guide for details.
Aug. 18:	Fall Semester 2010 FEE PAYMENT DEADLINE.
Aug. 19 - 20:	Access to registration restricted. See 201030 Registration Guide for details.
Aug. 23:	Students will be dropped from all courses if they have an outstanding balance on their student account.
Aug. 24:	Registration Period 2 begins. See 201030 Registration Guide for details.
Sept. 6:	Labour Day. College closed.
Sept. 7:	First day of classes for regular semester courses and Sept. - Oct. half-semester courses.
Sept. 13:	Last day to add courses without instructor permission.
Sept. 13:	Last day to drop regular semester courses for an 80% tuition refund (less any non-refundable, non-transferable fees).
Oct. 1:	Last day (before 2100 hours) to withdraw from Sept.-Oct. half-semester courses.

Oct. 11:	Thanksgiving Day. College closed.
Oct. 19:	Last day of classes for Sept. - Oct. half-semester courses.
Oct. 21 - 22:	Final examinations for Sept. - Oct. half-semester courses.
Oct. 25:	First day of classes for Oct. - Dec. half-semester courses.
Oct. 29:	For regular semester courses, last day (before 2100 hours) to withdraw.
Nov. 11:	Remembrance Day. College closed.
Nov. 19:	For Oct. - Dec. half-semester courses, last day (before 2100 hours) to withdraw.
Nov. 22:	Spring Registration begins. See Spring Semester 2011 Registration Guide for details.
Dec. 6:	Last day of classes for regular semester courses and Oct. - Dec. half-semester courses.
Dec. 7 - 8:	Study days.
Dec. 9 - 17:	Final examinations for regular semester courses and Oct. - Dec. half-semester courses.
Dec. 18:	Spring Semester 2011- Fee payment deadline.
Dec. 23 - 31:	Langara College closed.
Dec. 31:	Last day of the Fall Semester.

These dates are subject to change. Consult the Fall Semester 2010 Registration Guide and Course Schedule for additional information/ dates and updates to this schedule.

## 2011 SPRING SEMESTER (201110) JANUARY - APRIL

Refer to the Spring Semester 2011 Registration Guide and Course Schedule on the Langara website for updates to this schedule or important information concerning registration and deadline dates for fee payment, refunds, course drops and adds, and withdrawals.

### \*\*Course Withdrawal Periods - Important Notice\*\*

Feb. 4:	Last day to withdraw from Jan. - Feb. half-semester courses.
Mar. 4:	Last day to withdraw from regular semester courses.
Mar. 25:	Last day to withdraw from Mar. - Apr. half-semester courses.
Nov. 22:	Spring Semester 2011 registration begins. See the 201110 Registration Guide for details.
Dec. 18:	Spring Semester 2011 FEE PAYMENT DEADLINE.
Dec. 23 - 31:	College closed.
Jan. 1:	New Year's Day. College closed.
Jan. 3:	College closed in lieu of Jan. 1.
Jan. 4:	Registration resumes.
Jan. 10:	First day of classes for regular semester and Jan. - Feb. half-semester courses.
Jan. 14:	Last day to add courses without instructor permission.
Feb. 4:	For Jan. - Feb. half-semester courses, last day (before 2100 hours) to withdraw.

Feb. 17 - 18:	Spring Break. No scheduled classes. Langara open.
Feb. 22:	Last day of classes for Jan. - Feb. half-semester courses.
Feb. 24 - 25:	Final examinations for Jan. - Feb. half-semester courses.
Feb. 28:	First day of classes for Mar. - Apr. half-semester courses.
Mar. 4:	For regular semester courses, last day to withdraw.
Mar. 25:	For Mar. - Apr. half-semester courses, last day to withdraw.
Apr. 8:	Last day of classes for regular semester courses and Mar. - Apr. half-semester courses.
Apr. 11:	Study Day.
Apr. 12 - 20:	Final examinations for regular semester courses and Mar. - Apr. half-semester courses.
Apr. 22:	Good Friday. College closed.
Apr. 25:	Easter Monday. College closed.
Apr. 30:	Last day of the Spring Semester.

These dates are subject to change. Consult the Spring Semester 2011 Registration Guide and Course Schedule for additional information/ dates and updates to this schedule.

## 2011 SUMMER SEMESTER (201120) MAY - AUGUST

Refer to the Summer Semester 2011 Registration Guide and Course Schedule on the Langara website for updates to this schedule or important information concerning registration and deadline dates for fee payment, refunds, course drops and adds, and withdrawals.

### \*\*Course Withdrawal Periods - Important Notice\*\*

Jun. 3:	Last day to withdraw from May - Jun. half-semester courses.
Jul. 4:	Last day to withdraw from regular semester courses.
Jul. 22:	Last day to withdraw from Jun. - Aug. half-semester courses.
Mar. 28:	Summer Semester 2011 registration begins. See the 201120 Registration Guide for details.
Apr. 21:	Summer Semester 2010 FEE PAYMENT DEADLINE.
Apr. 22:	Good Friday. College closed.
Apr. 25:	Easter Monday. College closed.
May 9:	First day of classes for regular semester courses and May - Jun. half-semester courses.
May 13:	Last day to add courses without instructor permission.
May 23:	Victoria Day. College closed.
Jun. 3:	For May - Jun. half-semester courses, last day to withdraw.
Jun. 8 - 9:	Annual Graduation Ceremonies.
Jun. 20:	Last day of classes for May - Jun. half-semester courses.

Jun. 20:	Fall Semester 2011 Registration begins. Check the Fall 2011 Registration Guide and Course Schedule on the Langara website for registration information.
Jun. 22 - 23:	Final examinations for May - Jun. half-semester courses. EXAMS MUST BE WRITTEN as scheduled.
Jun. 24:	First day of classes for Jun. - Aug. half-semester courses.
Jul. 1:	Canada Day. College closed.
Jul. 4:	For regular semester courses, last day to withdraw.
Jul. 22:	For Jun. - Aug. half-semester courses, last day to withdraw.
Aug. 1:	BC Day. College closed.
Aug. 8:	Last day of classes for regular semester courses and Jun. - Aug. half-semester courses.
Aug. 9 - 10:	Study Days.
Aug. 11 - 19:	Final examinations for regular semester courses and Jun. - Aug. half-semester courses.
Aug. 31:	Last day of the Summer Semester.

These dates are subject to change. Consult the Summer Semester 2011 Registration Guide and Course Schedule for additional information/ dates and updates to this schedule.

## 2011 FALL SEMESTER (201130) SEPTEMBER - DECEMBER

Refer to the Fall Semester 2011 Registration Guide and Course Schedule on the Langara website for updates to this schedule or important information concerning registration and deadline dates for fee payment, refunds, course drops and adds, and withdrawals.

### \*\*Course Withdrawal Periods - Important Notice\*\*

Sept. 30:	Last day to withdraw from Sept. - Oct. half-semester courses.
Oct. 28:	Last day to withdraw from regular semester courses.
Nov. 18:	Last day to withdraw from Oct. - Dec. half-semester courses.
Jun. 20:	Fall Semester 2011 registration begins. See the 201130 Registration Guide for details.
Aug. 18:	Fall Semester 2011 FEE PAYMENT DEADLINE.
Sept. 5:	Labour Day. College closed. Last day to drop course for 100% refund (less any non-refundable non-transferable fees).
Sept. 6:	First day of classes for regular semester courses and Sept. - Oct. half-semester courses.
Sept. 12:	Last day to add courses without instructor permission.
Sept. 12:	Last day to drop regular semester courses for an 80% tuition refund (less any non-refundable, non-transferable fees).
Sept. 30:	Last day (before 2100 hours) to withdraw from Sept.-Oct. half-semester courses.
Oct. 10:	Thanksgiving Day. College closed.

Oct. 18:	Last day of classes for Sept. - Oct. half-semester courses.
Oct. 20 - 21:	Final examinations for Sept. - Oct. half-semester courses.
Oct. 24:	First day of classes for Oct. - Dec. half-semester courses.
Oct. 28:	For regular semester courses, last day (before 2100 hours) to withdraw.
Nov. 11:	Remembrance Day. College closed.
Nov. 18:	For Oct. - Dec. half-semester courses, last day (before 2100 hours) to withdraw.
Nov. 21:	Spring Registration begins. See Spring Semester 2011 Registration Guide for details.
Dec. 2:	Last day of classes for regular semester courses and Oct. - Dec. half-semester courses.
Dec. 5 - 16:	Final examinations for regular semester courses and Oct. - Dec. half-semester courses.
Dec. 23 - 31:	Langara College closed.
Dec. 31:	Last day of the Fall Semester.

These dates are subject to change. Consult the Fall Semester 2010 Registration Guide and Course Schedule for additional information/ dates and updates to this schedule.



# Langara College

## MISSION

Langara College provides accessible education that meets the needs of our diverse community.

The education and services provided are comprehensive, current, and innovative. Our curriculum is based on an integrated and cross-disciplinary approach designed to enhance the learner's ability to apply and transfer knowledge.

We value and are committed to a learning and working environment characterized by encouragement, free enquiry, integrity, mutual respect, professionalism, recognition of achievement, and social responsibility.

## HISTORY

Langara College courses and programs were first offered in 1965 at the King Edward Centre of Vancouver City College. The current site at West 49th Avenue has housed these offerings since 1970. Langara College was established as an independent public college under the Provincial College and Institute Act on April 1, 1994.

## FACILITIES

Langara College is located in the heart of Vancouver, British Columbia, and is situated in an urban, residential setting surrounded by a golf course, greenway, and public park.

## ACADEMIC BREADTH

Langara College offers both credit and non-credit programming. Credit (or Regular) Studies include first- and second-year arts and science university-transfer programs and courses and more than 30 career program options. Completion of these programs may lead to a bachelor's degree, post-graduate certificates, associate degree, diploma, certificate, or citation. Non-credit programming is offered through Continuing Studies, and the 700 courses and 35 certificate programs are focused on personal or professional development or English proficiency.

## AFFILIATION

Langara College is a member of the Association of Canadian Community Colleges.

## REGULAR STUDIES

Regular Studies courses and programs require that students formally apply for admission to the College. These courses and programs include first- and second-year arts and science university-transfer courses and programs, and career and degree programs of one to four years in duration.

## SEMESTER SYSTEM

Each semester is four months in length and the three semesters in the academic year are:

- **Fall Semester** – September to December
- **Spring Semester** – January to April
- **Summer Semester** – May to August

Most courses are scheduled for a full semester; however, some two-month courses may be offered. Two four-month semesters of full-time study (minimum 15 credits each semester) normally constitute a complete academic year of study at Langara College. Some career programs require enrolment in three semesters per year.

## GRADUATION

Although students can complete their requirements for a Langara College credential in any semester, convocation occurs only once per year in June. Students must apply to graduate. Further information is available in the graduation section of this Calendar and on the Langara College website.

## COURSE LOAD

The normal maximum course load per semester is five courses with three or more credits, to a maximum of 18 credits. Some career programs vary from this norm. Students who have carried a full course load and maintained a grade point average of 3.5 or higher may register for additional credit with the approval of the Registrar.

## FULL TIME/PART TIME DEFINITION

Langara College defines a full course load as 15 credits or more. Full-time study is defined as nine credits or more. Part-time study is defined as fewer than nine credits. Please refer to the Financial Aid section of the Langara College Calendar regarding eligibility requirements that may include alternative definitions.

## PROGRAM START DATES

Students may commence arts and science programs at the beginning of any Langara College semester. Start dates for other programs are listed in the program descriptions.

## DAY/EVENING/WEEKEND OFFERINGS

Langara College operates on a twenty-four hour clock. Many academic courses at Langara College have both day and evening sections. Classes at Langara College are scheduled between 0830 hours and 2230 hours Monday through Thursday, and on Friday, from 0830 hours to 1830 hours. A limited number of Saturday courses is offered.

### Continuing Studies

Langara College Continuing Studies offers a rich and diverse range of lifelong learning opportunities. Many augment or are complementary to regular credit courses at Langara College. Whether the objective is to improve business skills, enhance a career path, expand individual creativity, or develop a more holistic approach to personal well-being, Continuing Studies offers over 700 courses and 35 certificate programs designed with the needs of the student in mind. Students can choose to focus on personal, organizational or community development through studies in a wide variety of program areas.

Check the Langara College website, drop by the Continuing Studies Office for a program catalogue or contact 604.323.5322 for information.



# Admission Information

## GENERAL REQUIREMENTS

- Citizenship Status**  
Only Canadian citizens and those who have permanent resident (landed immigrant) status in Canada may enrol at Langara College as domestic students. Langara College may request evidence of citizenship or permanent residence status.
- International Students**  
International students may be accepted at the College on a cost-recovery basis. Please refer to the international student information in this Calendar.
- English Language Proficiency**  
Students must possess a level of English proficiency sufficient to support studies at Langara College.

### LANGUAGE REQUIREMENTS

Langara English Test (LET) OR  
Language Proficiency Index (LPI)

Students planning to enrol in a first-semester English or Communications course or certain Biology, Economics or Philosophy courses must take the Langara English Test (LET) or BC Language Proficiency Index Test (LPI) prior to the semester in which they want to register. Application forms are available at the Langara College Counselling Department. Students who have at least 80% in BC English 12 or BC English Literature 12 (with provincial exam) or equivalent are not required to write the LET or LPI. Please refer to prerequisite information in the course description section of this Calendar.

## SPECIFIC PROGRAM REQUIREMENTS

Many Langara College programs have specific admission requirements in addition to those listed under General Requirements and Admission Requirements. Please refer to the program section of this Calendar for more information.

## ADMISSION REQUIREMENTS

### ACADEMIC REQUIREMENTS

#### Regular Academic Admission

The academic requirements for admission to Langara College are:

- Successful completion of a BC secondary program (Grade 12) or the equivalent, or
- Be at least 19 years of age by the first day of the first semester of attendance, or
- Successful completion of an A.B.E. (Adult Basic Education) or G.E.D. (General Educational Development) program.

#### Optional BC Grade 12 Provincial Exams

BC Grade 12 students who are following the Ministry of Education 2004 Graduation Program are not required to write optional provincial exams for admission or course prerequisite purposes at Langara College. For those students who choose to write an optional exam, Langara College will consider the higher of the school mark or the blended grade (combination of school and provincial exam marks). Langara College will use only the final blended grade for any courses that have required provincial exams (e.g., English 12). Please note that students completing the Adult Graduation Program must write the provincial exam for English 12 if they wish to use the course for admission or prerequisite purposes.

#### Conditional Admission

BC secondary school students who are under 19 years of age who will not graduate from secondary school because they are missing only one course AND are registered in the missing course may apply for conditional admission.

*To be considered for conditional admission, students must submit an Appeal for Admission and Re-admission form and ensure that the following information is received by the Registrar's Office:*

1. Students must have completed the online PSI Selections form and indicated that their transcript be sent electronically to Langara College AND their PEN must be on file at the College. An official Ministry of Education paper transcript must be submitted if grades are not received electronically.
2. Students must submit an interim transcript of the course that they are completing with a grade of at least 60%.

Students who have registered for Langara courses before their final secondary school grades arrive, must complete the Appeal for Admission and Re-Admission form and submit the necessary documentation in order to maintain their course registration. For the September semester, this form and supporting documentation must be received in the Registrar's Office before July 31. Those students who have not graduated and have not been approved for conditional admission will be removed from any courses they have registered for.

#### Secondary/Post-Secondary Concurrent Studies

BC secondary students entering or currently in Grade 12 who have demonstrated academic excellence may apply for limited admission to university-transfer or open career courses while attending secondary school.

Enrolment will be restricted to three credits of study per semester. Admission will be approved on a semester by semester basis until students have met Grade 12 graduation requirements or have reached the age of 19 years.

Students wanting to apply under this category of admission must submit:

1. An application for admission, co-signed by a parent or legal guardian;
2. A letter of support from their secondary school principal or delegate; and
3. An official copy of their final transcript of their Grade 11 year and a copy of any interim transcripts of their Grade 12 year.

Appeals for admission and re-admission are accepted at the Registrar's Office up to one week before the first day of classes.

**Admission Note:**

Langara College is not able to guarantee registration in specific programs or courses even if students have been granted admission. Successful registration is also dependent upon having the required prerequisites for individual programs and/or courses.

**TRANSFER CREDIT**

Transfer guides and course planning sessions, designed to assist students with course selection in university-transfer programs, are available from the Counselling Department. Students transferring between institutions in British Columbia may refer to the BC Transfer Guide at [www.bctransferguide.ca](http://www.bctransferguide.ca).

**Transfer To Langara College**

Upon request, 60% of Langara College diploma, certificate, associate degree and bachelor degree program requirements may be transferred from another recognized post-secondary institution. These credits must have been completed within the first 60% of the program. Transfer credit is not included in the calculation of GPA.

To request transfer credit, students must submit a Transfer Credit Request form (available from the Registrar's Office or on the Langara College website), an official transcript from the transferring institution, course outlines for courses completed outside BC, and the appropriate fees. The deadline for transfer credit required to meet prerequisite requirements is ten weeks before the semester begins; the deadline for transfer credit required to meet graduation requirements is the end of February each year. Students who need the credit only to meet prerequisite requirements may go to the appropriate department for a prerequisite override. Students with an acceptable post-secondary English or Communications course may apply at the Registrar's Office for a Langara English Test (LET) or a Language Proficiency Index (LPI) exemption. Official transcripts are required.

**International Baccalaureate/  
Advanced Placement Courses**

Students who have completed the International Baccalaureate Diploma or have passed an Advanced Placement Examination administered by the College Entrance Examination Board may be eligible for college credit. Please refer to the British Columbia Transfer Guide or contact the Registrar's Office for further information. Students must complete a Transfer Credit Request form and submit an official IB or AP transcript.

Transfer credit is not included in the calculation of the student's Langara College GPA.

**Transfer To Other Institutions**

Students planning to transfer from Langara College to another educational institution should consult the Registrar's Office of that institution to determine the transferability of courses taken at Langara College. The institution to which the student's official transcript is sent may evaluate courses, appraise letter grades, and compute grade point averages in accordance with its own policies and regulations. Students may also refer to the BC Transfer Guide at [www.bctransferguide.ca](http://www.bctransferguide.ca). Students planning to transfer should discuss their plans with a College counsellor.

**Prior Learning, Flexible Assessment  
and Recognition**

Langara College values students and the learning they have acquired through non-formal education, work and life experiences. Prior Learning, Flexible Assessment and Recognition (PLFAR) is a way that such learning may be assessed for college credit. The College has implemented a PLFAR service for Langara College students. Opportunities for PLFAR are dependent upon the resources available to support the process, and therefore, may only be available from time to time. Students are advised to check with the relevant department to confirm whether flexible assessment is available within the department.

**Document Verification**

All documents are routinely verified. Evidence of falsified documents will result in the denial of admission to Langara College. Information on falsified documents is shared with the Association of Universities and Colleges of Canada.

**Retention of Student Records**

Records of academic performance at Langara College are retained indefinitely. Materials supporting admission may be destroyed after the first registration. Before submitting irreplaceable material to support an application, students are advised to check with the Registrar's Office.

All admissions material will be destroyed after one year if the student does not register into courses.

**Freedom of Information and  
Protection of Privacy**

Information received and maintained as part of the student record is collected under the authority of the Colleges and Institutes Act. Signing the application form authorizes Langara College to use the student record information for the purpose of research and College operations. Langara College gathers and maintains information for the purposes of admission, registration and other fundamental activities related to attending a public post-secondary institution in British Columbia and being a member of the Langara College community. This information is protected and used in compliance with the Freedom of Information and Protection of Privacy Act.

For further information please contact the Registrar's Office.

# Application for Admission

## ARTS AND SCIENCE UNIVERSITY-TRANSFER PROGRAMS AND COURSES

Arts and Science Application Dates	
Intake Semester	Applications Open
Fall Semester 2011 (September 2011)	October 1, 2010
Spring Semester 2012 (January 2012)	February 1, 2011
Summer Semester 2012 (May 2012)	June 1, 2011
Fall Semester 2012 (September 2012)	October 1, 2011

### HOW TO APPLY

Students may apply to Langara College via the Langara College website, in person, or by mail.

### APPLICATION DATES

Students should apply early as their registration date is determined by their date of application.

International Students - Please refer to International Education Admissions.

### NEW STUDENTS

To be considered for admission, students must submit an application form, a non-refundable application fee, and all supporting documents (official copies only) to Admissions, Registrar's Office. Students currently in Grade 12 may submit an application before they have received their final secondary school transcript.

Prospective students may make application to Langara College eleven months prior to the semester in which they want to register.

### APPLICATION REQUIREMENTS

1. A non-refundable application fee must be submitted with the application for admission. Students who apply for admission but do not register and who re-apply for admission within three semesters following the first semester for which they applied are not required to submit an additional application fee. For fee information, visit the College website.
2. All transcripts and educational documents must be official (photocopies are not accepted).

### NOTE:

All transcripts and supporting documents submitted with an application for admission become the property of Langara College and are under no circumstances returned to the applicant. Exceptions may be made for irreplaceable documents providing the student informs the Registrar's Office upon submission of the documents that the documents cannot be replaced.

BC Secondary School students currently in Grade 12 may have their records sent electronically to Langara College by the Ministry of Education. Students must request this by completing the online Post-Secondary Institutions Selections form and provide their BC Personal Education Number on their application for admission to Langara College. No further action is necessary. If students do not have their grades forwarded electronically, they must provide an official transcript to the Registrar's Office as soon as it is available.

If students wish to register in a course that has a prerequisite and they have earned the prerequisite at another institution (secondary or post-secondary), they must request that this information be put on their file at least ten weeks in advance of their registration date.

For secondary school prerequisites (if the student is not a current BC secondary school student), students must submit an official secondary school transcript. For post-secondary prerequisites, students must submit an official transcript from the transferring institution, copies of course descriptions, and a Transfer Credit Request form and associated fee. Transfer Credit Request forms can be downloaded from the College website or picked up at the Registrar's Office.

A unique nine-digit Langara College ID number is assigned to each student. This ID number is required for registration and must be noted on all documents and correspondence submitted to Langara College. Once a student has registered for courses, this number must be used in all transactions with the College.

### REACTIVATION OF APPLICATION

If students apply to the Arts and Science Program for a specific semester but do not register into any courses for that semester, they must reactivate their application for the semester that they are interested in attending. Reactivation requests are subject to the same deadline dates as new applications. Students are strongly advised to submit reactivation requests to the Registrar's Office as soon as possible. Students are not required to pay an additional application fee if they are re-activating within three semesters following the first semester for which they applied.

To reactivate, students must complete a Reactivation form. Reactivation forms can be downloaded from the College website or picked up at the Registrar's Office.

### RETURNING STUDENTS

Arts and science students who have previously registered at Langara College and who have a Langara academic record are not required to re-apply for admission to the arts and science program or courses. Students must update their address if it has changed since they last registered. Please refer to the current Registration Guide and Course Schedule for information on registration.

# Application for Admission

## CAREER PROGRAMS AND ARTS AND SCIENCE LIMITED ENROLMENT PROGRAMS

Career program Application Dates	
Intake Semester	Applications Open
Fall Semester 2011 (September 2011)	October 1, 2010
Spring Semester 2012 (January 2012)	February 1, 2011
Summer Semester 2012 (May 2012)	June 1, 2011
Fall Semester 2012 (September 2012)	October 1, 2011

Important Note: Programs may fill quickly. Students are advised to apply early. For admissions updates refer to the Langara website.

### HOW TO APPLY

Students may apply to Langara College via the Langara College website or they may apply in person or by mail. Applications to some of these programs require that students complete an application supplement form that is specific to the program.

For program admission requirements, refer to the descriptions of specific programs on the Langara College website. Submit applications for admission along with all supporting documents (official copies only) to Admissions, Registrar's Office.

Career program and arts and science limited enrolment program students who satisfy the criteria for admission to the program will be admitted on a first-come, first-served basis, except as noted in the program admission requirements. Langara College may deny admission to those students who do not possess the requisite capabilities for success.

A non-refundable application fee must be submitted with the application for admission if the student has not previously been a student in an arts and science, career, or arts and science limited enrolment program at Langara College. For fee information, visit the College website.

### NOTE:

Langara College does not guarantee admission to all qualified students as the number of seats available for programs is limited. Students may apply to the Arts and Science Program at the same time they apply to a career or limited enrolment program, particularly if they wish to register for arts and science courses in the event they are not admitted to a career program.

### APPLICATION DATES

Applications are accepted during the eleven-month period immediately preceding the program intake date. All applications received prior to these dates will be returned. Students applying to the Theatre Arts at Studio 58 and Nursing Programs should refer to the program description.

Students are normally selected four months prior to the program start date. Thereafter, students may be considered if seats are available.

### APPLICATION REQUIREMENTS

1. Secondary school graduation is normally required for admission to career programs. Students who are 19 years of age or older may be considered for some programs without secondary school completion. Some programs have additional academic requirements and/or require additional submissions and procedures such as interviews, testing, auditions, or portfolios. Check program listings for detailed admission requirements.
2. Students currently in BC Grade 12, who satisfy admission requirements, may be considered for conditional acceptance based on mid-term marks. Final acceptance is subject to confirmation of graduation.
3. Students are required to meet appointment times and dates for testing and interviews.

### NOTE:

All transcripts and supporting documents submitted with an application for admission become the property of Langara College and are under no circumstances returned to the applicant. Exceptions may be made for irreplaceable documents, providing the Registrar's Office is informed upon submission of the documents that the documents cannot be replaced.

BC secondary school students currently in Grade 12 may have their records sent electronically to Langara College by the Ministry of Education. Students must request this by completing the online Post-Secondary Institutions Selections Form and provide their BC Personal Education Number on their application for admission to Langara College. No further action is necessary. Students must provide an official transcript to the Registrar's Office as soon as it is available if they have not asked the Ministry to forward the grades electronically.

If students want to register in a course that has a prerequisite that has been earned at another institution (secondary or post-secondary), they must request that this information be put on their file at least ten weeks in advance of their registration date.

For secondary school prerequisites (if the student is not a current BC secondary school student), students must submit an official secondary school transcript. For post-secondary prerequisites, students must submit an official transcript from the transferring institution, copies of course descriptions, and a Transfer Credit Request form and associated fee. Transfer Credit Request forms can be downloaded from the College website or picked up at the Registrar's Office.

A unique nine-digit Langara College ID number is assigned to each student. This ID number is required for registration and must be noted on all documents and correspondence submitted to Langara College. Once the student has registered for courses, this number must be used in all transactions with the College.

# International Students

## INTRODUCTION

International students are welcome at Langara College in arts and science (university-transfer) programs and many career programs.

## ADMISSION REQUIREMENTS FOR ARTS AND SCIENCE (UNIVERSITY-TRANSFER) PROGRAMS

### ACADEMIC REQUIREMENTS

Successful completion of BC Grade 12 or equivalent (12 years of formal education).

### ENGLISH LANGUAGE PROFICIENCY

English is the language of instruction at Langara College. Students are required to demonstrate proficiency in the English language prior to admission to post-secondary programs by providing one of the following:

- TOEFL (paper-based) with a total score of 550 or higher and an essay score of 4.0 or higher, OR
- TOEFL (Internet-based) with a total score of 80 or higher and a minimum of 18 in Listening, 20 in Reading, 18 in Speaking, and 20 in Writing, OR
- IELTS 6.5, OR
- CAEL 60 overall with essay 60, OR
- LPI (Language Proficiency Index) Level 4 with essay 24, OR
- LET (Langara English Test) Level 2, OR
- ELA (English Language Assessment) 145 offered by Vancouver Community College (VCC), OR
- Successful completion of LEAP Level 8 OR
- Successful completion of BC Grade 12 English or Communications or equivalent, OR
- Successful completion of a post-secondary English or Communications course for which Langara College awards transfer credit, OR
- Successful completion of VCC English 099.

### NOTE:

If students do not meet the English language proficiency requirement for admission to the Arts and Science (university-transfer) Program, they may

apply to the Langara English for Academic Purposes (LEAP) program. LEAP is a full-time, integrated, intensive English and academic skills program that prepares students for college and university study. Refer to the International Education web page for more information on the LEAP program and the Skills Training for English Proficiency (STEP) program, which is available for those students who are not eligible for LEAP.

### ORIENTATION AND COURSE PLANNING

International students are required to attend the orientation and course planning sessions offered by the Counselling Department. Counsellors are available to help with educational, career, and personal concerns.

APPLICATIONS THAT ARE COMPLETE BUT ARE RECEIVED AFTER THE PUBLISHED DEADLINE WILL BE PROCESSED ON A SPACE-AVAILABLE BASIS.

## ADMISSION REQUIREMENTS FOR CAREER AND ARTS AND SCIENCE LIMITED ENROLMENT PROGRAMS

A number of career program and arts and science limited enrolment programs are open to international students. The current list is available on the Langara College website.

### ACADEMIC REQUIREMENTS

Successful completion of BC Grade 12 or equivalent (12 years of formal education).

### ENGLISH LANGUAGE PROFICIENCY

English is the language of instruction at Langara College. Students are required to demonstrate proficiency in the English language prior to admission to post-secondary programs. For career programs and arts and science limited enrolment programs, students must obtain ONE of the following:

- LET (Langara English Test)- a minimum Level 3; OR

- Language Proficiency Index (LPI) - with a minimum score of 26 on the Essay and one of the following:
  - 5 in English usage
  - 5 in sentence structure
  - 10 in reading comprehension; OR
- Minimum of 80% in one of BC English 12 OR BC English Literature 12; or
- A minimum 'C-' in a university-level English or Communications course for which Langara awards transfer credit or an 'S' in either of these Langara English courses: ENGL 1107 or 1108.

### NOTE:

There are some exceptions to this requirement. Please see the program descriptions in this Calendar.

### SPECIFIC PROGRAM REQUIREMENTS

Students are required to meet any additional admission requirements specified for the program of their choice in the program section of this Calendar.

### ADMISSION NOTES:

Students applying for a career or arts and science limited enrolment program are advised to submit an additional application for the Arts and Science (university-transfer) Program. As admission to career programs and arts and science limited enrolment programs is not guaranteed, students can pursue a post-secondary education as an arts and science student to complete university-transferable courses or to upgrade their skills in English, mathematics, and science to meet the requirements of their desired career program or arts and science limited enrolment program. Students are not required to pay a second application fee for this additional application.

## HOW TO APPLY TO ALL PROGRAMS – THE APPLICATION PROCESS

1. Apply online at [www.langara.bc.ca](http://www.langara.bc.ca). Remember to send by mail all of the required documents as soon as possible.
2. Students can download (from the College website) and complete an application form for each program to which they are applying. Form(s) and all necessary documents must be submitted to the College with a CAD\$155 non-refundable application fee\*, payable to Langara College by VISA or Mastercard. The application must be submitted to Langara College Registrar's Office, International Admissions, 100 West 49th Avenue, Vancouver, British Columbia CANADA V5Y 2Z6.
3. Students will receive an 'Offer of Admission' if they are admissible to the College.
4. Students can confirm acceptance of the College's Offer of Admission by paying the International Student Deposit\*, which includes CAD \$500 non-refundable, non-transferable Commitment Fee.\* These fees will be applied to your tuition fees.
5. Upon receipt of the International Student Deposit, the College will send the Student a 'Letter of Acceptance' confirming their acceptance into the College.
6. Students then take their 'Letter of Acceptance' or 'Provisional Letter of Acceptance' to the Canadian Embassy or High Commission to apply for a Study Permit and an entry visa to Canada.
7. Students are advised to carefully read all the information sheets enclosed with your Letter of Acceptance.

\* Fees are subject to change. Please see the College website for fee information.

## DOCUMENTS REQUIRED FOR APPLICATION EVALUATION

1. A completed Langara College Application form for each program to which the student is applying indicating the desired start date.
2. Official transcripts/marksheets/academic records that show all the subjects taken and grades obtained for the last two years of secondary school studies. If the date of graduation is not shown on the transcript, proof of graduation such as a graduation certificate or a graduation statement issued by the appropriate educational authorities must be submitted to the Registrar's Office.

Note: Official post-secondary transcripts may be used in lieu of secondary school transcripts. The transcript must indicate successful completion of at least one full academic year or successful completion of a minimum of 24 university-level credits at a recognized North American university or college.

Official English translations of the above documents must also be submitted if the original documents are not written in English

All transcripts submitted are confidential and become the property of the College.

3. Proof of English language proficiency. Official test scores or transcripts must be sent directly to the Registrar's Office from the testing authority or school.
4. When students arrive at the College, they must give the International Education Department a copy of their Study Permit, a copy of the photo page of their passport, and proof of medical insurance.

### NOTE:

Some programs may require further documentation. Please refer to specific program descriptions on the College website.

## APPLICATION DATES

### ARTS AND SCIENCE (UNIVERSITY-TRANSFER) PROGRAMS AND CAREER PROGRAMS

International students should apply at least six months before the start of the semester in which they want to begin their studies. Students may begin to apply 11 months prior to the semester in which they want to enrol.

Arts and science programs have intakes each semester, i.e., January, May, and September. Students interested in a career or arts and science limited enrolment program should check the individual program information for semester start dates.

In many parts of the world, the processing time required to obtain a Study Permit from a Canadian Embassy, High Commission, or Consulate Office is six weeks or more.

International students are encouraged to attend a course planning session on campus, but if they are unable to attend an on-campus session, they are encouraged to do the online course planning session-search the Langara website for "course planning" and "online orientation".

For the latest information on admission to Langara College and application and document deadlines, students may refer to the Langara College International Education website.

# Registration

## ACCESS TO THE REGISTRATION SYSTEM

Students register online by logging into myLangara. The semester schedule of courses, registration times, dates, important deadlines, information regarding preparation for registration including course prerequisite requirements for the semester are published online and in print in the Registration Guide and Course Schedule, available approximately two months prior to the beginning of the Spring and Summer Semesters and the three months prior to the Fall Semester. The course schedule portion of the online version is updated regularly.

International students will be required to pay an International Student Deposit, which includes a CAD\$500 non-refundable, non-transferable commitment fee, for their first semester in regular studies courses. Thereafter, they will be required to pay the commitment fee only. See Fees for information.

## PERSONAL IDENTIFICATION NUMBER

Students are required to enter their nine-digit Langara College Identification Number and their Personal Identification Number (PIN) to access the registration system. The student's first and last initials and birth date in year, month, and day (Initials-YYYYMMDD) order has been set as the PIN. If no birth date is on file, students must contact the Registrar's Office. Students are advised to change their PIN when they access the registration system for the first time. The same PIN is used for all registrations unless students change their PIN on myLangara or at the Registrar's Office.

**IMPORTANT:** Keep your Langara College ID and PIN strictly confidential.

## PREREQUISITES

A prerequisite is a requirement students must fulfill before registering in a course. Unless otherwise noted, a minimum 'C-' or an 'S' grade in the prerequisite course is required. As well as courses, prerequisites may include minimum scores on placement or diagnostic tests, departmental permission, or acceptance into a particular program. Students must ensure that prerequisites not completed at Langara College are entered in their file. Transfer credit is not automatically granted; students must apply for transfer credit.

The registration system verifies prerequisite requirements and does not allow students to register into courses if prerequisites are not met.

## SECONDARY SCHOOL COURSE PREREQUISITES

To have secondary school prerequisites put on their Langara College student file, students must provide the Registrar's Office with an official secondary school transcript. Students currently in BC Grade 12 may request that the Ministry of Education electronically send their transcript to Langara College by completing a Post-Secondary Institutions Choice form by April 30.

## POST-SECONDARY SCHOOL COURSE PREREQUISITES (TRANSFER CREDIT)

Post-secondary school courses are not automatically added to the Langara College student file. Students must request that the Registrar's Office evaluate their previous courses for transfer credit.

To have post-secondary school prerequisites put on their Langara College student file, students must submit the following to the Registrar's Office:

- a completed Transfer Credit Request form;
- an official transcript from the transferring institution;
- course outlines for courses completed outside BC; and
- the appropriate fees.

## NOTE:

A department may exclude a student from a course when that student's skills make the course clearly unnecessary for proceeding into advanced levels in the same subject.

## DEADLINES:

- February 15 for Summer Semester registration
- May 15 for Fall Semester registration
- October 15 for Spring Semester registration.

Transfer credit requests may take six to eight weeks to process.

## REGISTRATION ON A NON-CREDIT BASIS (AUDIT)

Students who have the necessary prerequisites may take courses on a non-credit basis (not including restricted career program courses). The course name and number is noted on a student's record with the symbol (\*) indicating the course was taken on a non-credit, ungraded basis. All registrations for courses taken on a non-credit basis must be done in person at the Registrar's Office after the first day of classes. Fees for non-credit registration are the same as for credit registration.

Langara College will not permit students to change a registration from a non-credit to a credit basis or from a credit to a non-credit basis for any reason after the student's original registration.

## REGISTRATION FOR NEW STUDENTS

New students register at an assigned date and time. Registration times for new arts and science students is determined by the date of application to the College. Registration times for new career and limited enrolment program students is determined by the date and time assigned to their program.

Students can obtain their registration time by logging into myLangara two weeks before registration commences each semester.

## REGISTRATION FOR RETURNING STUDENTS

Returning students register at an assigned registration date and time each semester. Registration times for arts and science students are determined using a combination of the number of credits completed and their Langara College cumulative grade point average. Returning career program students register by program and program term.

Students can obtain their registration time by logging into myLangara two weeks before registration commences each semester.

### NOTE:

- Acceptable grades to meet prerequisite requirements for Langara College courses are 'A+', 'A', 'A-', 'B+', 'B', 'B-', 'C+', 'C', 'C-', or 'S' unless otherwise specified.
- Credit will be granted for a 'D' grade, but advancement is not permitted to the next course level without departmental approval.
- The College reserves the right to restrict or refuse registration into a course in which a grade of 'D', 'F', 'N', 'U' or 'W' has previously been received.
- Students who receive grades of 'D', 'F', 'N', 'U', or 'W' in any of their career program courses must obtain Department Chair/ Co-ordinator permission to proceed in the program.
- Students may not register for the same course more than twice in the following subject areas without receiving departmental permission: Art History, Biology, Chemistry, Chinese, English, French, Geography, Japanese, Mathematics, Physics, Spanish, and Statistics.
- Career programs students may be governed by additional departmental policies and procedures. Students must meet all program requirements to continue in the program.

## ACADEMIC STANDING AND RE-REGISTRATION REQUIREMENTS

### ACADEMIC STANDING REQUIREMENTS

Students registered in courses/programs at Langara College are expected to maintain a minimum academic standard and will be placed on academic probation or academic suspension if they fail to do so.

**Minimum Academic Standard** – Semester grade point average of 1.50 or higher and no more than one letter grade of 'F', 'N', or 'U' for that semester.

**Good Standing** – The status of a student who is not on academic probation, academic suspension, or other suspension.

Refer to the Academic Standing – Academic Probation and Academic Suspension Policy on the College website for additional information.

### ACADEMIC PROBATION

Students will be placed on academic probation if they have failed to achieve the minimum academic standard in their most recent semester.

Students on academic probation are permitted to register in the next semester, but they should consult a Langara College counsellor for academic advice. The College will inform students of, and encourage them to use, services available to support their academic studies and goals.

To return to good standing, students on academic probation must achieve the minimum academic standard in the subsequent semester. Students who do not attend Langara College immediately following the semester in which they were placed on academic probation will remain on academic probation in the next semester in which they register.

Students in career programs may be governed by additional departmental policies and procedures.

See the Langara College Academic Standing – Academic Probation and Academic Suspension Policy for additional information on academic probation.

## ACADEMIC SUSPENSION

Students on academic probation who do not achieve the minimum academic standard in their next semester will be placed on academic suspension.

Students on a first academic suspension will not be permitted to register for the following three semesters. Students returning after a first academic suspension will be restricted to 11 credits and will be on academic probation when they re-register at the College. In career programs and arts and science limited enrolment programs, the program co-ordinator or department chair will decide on the course load limit.

Students on academic suspension may return to their studies before the completion of the normal suspension period after successful completion of academic remediation. Refer to Appendix 1 of the Langara College Academic Standing – Academic Probation and Academic Suspension Policy.

To achieve good standing, students returning after a first academic suspension must achieve the minimum academic standard in their first semester following the academic suspension. Students who do not achieve good standing will be placed on a second academic suspension, which will result in a longer stand-out period and will require an application in writing to the Registrar for re-admission to the College. Re-admission is not automatic and not guaranteed.

See the Langara College Academic Standing – Academic Probation and Academic Suspension Policy for additional information on academic suspensions.



# College and Student Responsibilities

## COLLEGE AND STUDENT RESPONSIBILITIES

Langara College requires all members of the College community to conduct themselves in a manner that promotes a learning and working environment characterized by encouragement, free enquiry, integrity, mutual respect, professionalism, recognition of achievement, and social responsibility. The College community respects diversity, is civil, and provides for individual safety.

Langara College creates policies to address important issues and outline practices and expected behaviours.

Langara College students must be aware of and comply with the College policies and procedures contained in this Calendar, the semester Registration Guide and Course Schedule, and in the Policies for Students section on the Langara College website.

The following list of College policies are on the College website and are relevant to students who are registered:

- Aboriginal Education: Consultation with Aboriginal Peoples
- Aboriginal Students: Access To Education and Student Support
- Academic Conduct
- Academic Standing - Academic Probation and Academic Suspension
- Appeal of Final Grade
- Bursaries
- Citizenship: Eligibility For Enrolment
- Code of Conduct
- Computer and Computing System Use
- Concerns about Instruction
- Conducting Investigations
- Criminal Record Search
- Educational Offerings: Credentials
- First Nations' Employment Equity
- Flexible Assessment
- Human Rights
- Managing Access to Student Computer Records
- Registration Fee Payment and Refund
- Scholarships
- Services for Students with Disabilities
- Withdrawal from Courses

## STUDENT AND FACULTY RESPONSIBILITIES

Students are responsible to be aware of and abide by all policies, procedures, and deadlines published in the Registration Guide and Course Schedule, and on the College website.

Instructors have a responsibility to provide students with frequent evaluation throughout the semester. Students have a responsibility to keep their work up-to-date so that their instructors can inform them of their progress.

Instructors have a responsibility to keep regular office hours including tutorial or seminar hours where applicable. Students have a responsibility to take advantage of these times to discuss problems or questions they may have.

## ATTENDANCE

Students must attend all classes, lectures, laboratories, workshops, practicums, and seminars. Irregular attendance may result in exclusion from classes. Absence for any cause in no way relieves students of their responsibility to complete the course work to the satisfaction of the instructor.

If students are unavoidably absent because of illness or some other acceptable reason, they are still responsible for class work or assignments missed. If repeated absences are due to illness, students may be asked to submit a medical certificate.

## ACADEMIC FREEDOM

The College recognizes academic freedom. For clarification of the term academic freedom, see either a Dean of Instruction or the Dean of Student Services.

# Fees

## INTRODUCTION

All fees are subject to change. For information on Langara College fees, please refer to Fees on the Langara College website.

## REGISTRATION ON A NON-CREDIT (AUDIT) BASIS - REGULAR STUDIES

Fees for non-credit registration are the same as for credit registration.

## SENIOR CITIZEN TUITION FEE EXEMPTION

Exemption from payment of tuition fees (all other fees, e.g., Students' Union, materials, must be paid) is available to residents of BC who are 65 years of age or older. This fee exemption is applicable to courses in which there are seats available after registration has been completed. Senior citizens who wish to ensure registration in a specific course may do so by registering and paying in the same manner as a regular student.

Any senior citizen wishing to register with the tuition fee exemption must write a letter to the Dean of Student Support Services indicating what course(s), section(s) into which they wish to register.

## FEE PAYMENT (REGULAR STUDIES)

Fees are due by the fee payment deadline indicated in each semester's Registration Guide. If fees are not paid by this deadline, students will be dropped from all courses. Payment for registrations completed after the fee payment deadline are due immediately after registration. Any outstanding balances as of the seventh day of classes will be subject to compounding interest and late payment charges. Check the Registration Guide for details.

Please read the Registration Fee Payment and Refund Policy available on the College website.

### FEE PAYMENT OPTIONS:

- Pay by Visa or Mastercard by logging into myLangara.
- Pay at a financial institution by Internet/telephone banking service. The student's nine-digit Langara Identification Number is the account number. Please carefully enter this number or payment will not be posted to the correct account.
- Pay at any branch of the Bank of Montreal using a Langara College Fee Payment Form available from the Registrar's Office or Information Kiosk.
- Pay by cheque using the Financial Services (Room B231) drop box. A Langara College Fee Payment Form must be included.

## FEE RECEIPTS - T2202A CERTIFICATES (TUITION AND EDUCATION AMOUNTS)

T2202A Certificates for the previous calendar year are available for viewing and printing through myLangara on the College website.

## FEE REFUNDS

Check the schedule in the Registration Guide and Course Schedule for refund dates.

Please read the Registration Fee Payment and Refund Policy available on the College website for further details.

## OUTSTANDING DEBT AND NSF PAYMENTS

Late charges are applied to all overdue accounts.

A \$15.00 fee will be charged for NSF cheques. Students remain responsible for any outstanding balances, and if their fees are not paid by the dates indicated in the Registration Guide, interest and late payment fees will be charged. All future financial transactions within the College must be paid by cash, money order, or certified cheque.

Students who have an outstanding debt to the College for any reason (non-payment of fees, library fines, overdue books, unreturned equipment, etc.) will not be permitted to register for courses, be assessed for application to other College programs, or receive any College credential or official transcript.

### Continuing Studies Fees

Visit the Continuing Studies website for the most current Continuing Studies course and fee information.

# Grading

## ASSIGNMENTS AND CLASSWORK

Normally, term essays, projects, and reports assigned during the semester account for 65 to 80 percent of the grade for each course. The final examination provides an additional means of measuring achievement. Considering this, it is vital for success in any course or program at Langara College that students maintain a consistent effort in all assignments and class work. Many instructors have tutorial periods available every week, particularly for students who need extra help.

## FINAL EXAMINATIONS

To receive course credit, students must write the final examination for any course for which a final examination is scheduled. The schedules are displayed on the College website at least one month before the examinations begin. Students are responsible to be aware of the time and date of their final examinations. If possible, final examinations will be rescheduled upon request for any student scheduled to write:

- Two or more examinations at the same time;
- Two or more examinations each exceeding one hour in duration with an intervening break of less than 30 minutes;
- More than three examinations in one day; or
- More than six hours of examinations in one day.

Final examinations will not be rescheduled for reasons other than those noted above. Please refer to Final Exam Policy F1007. Requests for rescheduling of examinations must be made on the appropriate form available from the receptionist in the Administration Office, Room B235, before 1630 hours on the date indicated on the preliminary final examination schedule.

## GRADE POINT AVERAGE, SEMESTER (SEM GPA)

To calculate Sem GPA, multiply the letter grade point equivalent for each course in a given semester by the number of credits granted for that course. Then add up these figures for all courses and divide the total by the total number of credits for all courses attempted in the semester, not including courses resulting in 'S', 'SR', 'U', or any notations - see Grades, Grade Points, & Notations.

## GRADE POINT AVERAGE, CUMULATIVE (CGPA)

To calculate CGPA, multiply the letter grade point equivalents for all Langara College courses completed by the number of credits granted for all courses completed. Then add up these figures for all courses and divide the total by the total number of credits for all courses you have attempted, not including courses resulting in 'S', 'SR', 'U', or any notations - see Grades, Grade Points, & Notations.

## WITHDRAWALS

Students wanting to discontinue taking a course after the course drop/refund period must officially withdraw from the course. Students can withdraw from courses by logging into myLangara.

The final withdrawal dates for regular and accelerated half-semester course sections are noted in each semester's Registration Guide and Course Schedule. After the final withdrawal date, an 'N' grade is assigned to students who do not complete the course.

## NOTE:

An 'N' grade is included in the calculation of the grade point average, and it carries a grade point equivalent of 0.00. The withdrawal notation is not included in the calculation of a student's grade point average and is not included when determining academic standing.

## NOTE:

Once a final assessment or grade for a course has been determined, students cannot change that assessment or grade by withdrawing from the course.

## FINAL GRADES

Students can obtain their grades by logging into myLangara and viewing their academic record (transcript).

## REPEATING A COURSE: CREDITS, GRADES, AND GPAS

Effective Summer Semester 2009, students repeating a course will have all attempts at the course shown on their academic transcript and included in determining the semester and cumulative grade point averages. If credit is awarded for more than one attempt at the course, the total credits earned (Langara credits and transfer credits if applicable) will include the credits from only one of the attempts. The grade for the most recent attempt will be used to meet prerequisite and graduation requirements.

## APPEAL OF FINAL GRADES

Appeal of a final grade must be made within 10 working days from the last day of final examinations in the semester.

For more information on appeals and deadline dates, see the Langara College Appeal of Final Grade Policy.

Students may contact the Registrar's Office for Appeal of Final Grade forms and procedures.

# Academic Records & Official Transcripts

The Registrar's Office maintains a permanent record of students' courses, credits, grades, and notations. An official transcript is a copy of a student's permanent record bearing both the signature of the Registrar or delegate and the seal of Langara College. There is a fee for official transcripts.

Students can log into myLangara to access their academic record or to order an official transcript. Official transcripts may also be obtained through the Registrar's Office, in person, or in writing (by mail with a cheque or credit card number or by fax with a credit card number). Students must meet all obligations relating to fees, library books or fines, and borrowed equipment before the College will release an official transcript.

Students should order a transcript well in advance of the time for which they need it; transcripts may take a week to process. Students who require additional forms from licensing boards, graduate schools, etc., to be completed may receive their transcript within seven working days; however, depending on the complexity of the information requested, additional forms may take up to eight weeks to process. Students who need an official transcript immediately after final examinations should order it before the last day of classes.

Students who need a transcript quickly may request a "rush" transcript from the Registrar's Office. Rush transcripts are processed by the next working day. They cannot be ordered over the Web, and they cannot be ordered for end of semester grades. There is an additional fee for this service.

See Transcripts & Records on the College website for more information.

## Graduation

### APPLICATION FOR GRADUATION

All students, whether in art and science programs or career programs, must apply for graduation. Applications are available from the Registrar's Office, the Counselling Department, and the Langara College website. Students should apply for graduation in the last term of their program. The deadline for receipt of applications is March 15. Students completing their program in April must apply by the March 15 deadline.

### CONFIRMATION OF GRADUATION

Applications for graduation are assessed upon receipt, and if the student has completed all program requirements and is eligible to receive a Langara College credential, the student will be sent a notification confirming that the credential has been granted and a notation indicating that the credential has been granted will appear on the student's transcript. Credential parchments are awarded at the annual ceremonies for graduation held early of June.

### GRADUATION WITH DISTINCTION

Students who achieve an overall grade point average of 3.67 or greater in the final sixty credits of a degree program, the final thirty credits of an associate degree, diploma program, or the final fifteen credits of a post-graduate certificate or certificate program are eligible to graduate with distinction.

### REQUESTS FOR GRADUATION ADJUDICATION

Students who want to request a substitution for a program requirement or who want to request an exception to any credential or graduation requirement must write to the Graduation Adjudication Committee before March 15. Visit the Registrar's Office sections of the College website for details.

# Grades, Grade Points & Notations

Letter Grade	GPA	Description
<b>A+</b>	4.33	Distinguished Achievement For consistently distinguished accomplishment in examinations, reports, and class participation. This definition applies to 'A+', 'A', and 'A-'.
<b>A</b>	4.00	
<b>A-</b>	3.67	
<b>B+</b>	3.33	Above Average Achievement For consistent mastery of the subject matter of this course. This definition applies to 'B+', 'B', and 'B-'.
<b>B</b>	3.00	
<b>B-</b>	2.67	
<b>C+</b>	2.33	Satisfactory Achievement For sufficient comprehension of the subject. This definition applies to 'C+', 'C', and 'C-'.
<b>C</b>	2.00	
<b>C-</b>	1.67	
<b>D</b>	1.00	Marginal Performance For completion of a course but with below average achievement. (College credit will be granted, but students will not normally be permitted to proceed to the next course.)
<b>F</b>	0.00	Unsatisfactory Achievement For completion of a course without demonstrating sufficient knowledge of the content to receive credit.
<b>N</b>	0.00	No Credit This grade is awarded to the student who, having registered in a course: 1. Ceases to attend or to participate in class work after the final withdrawal date each semester. 2. Does not write the final examination.
<b>S</b>	-	Satisfactory Not included in the calculation of the GPA.
<b>SR</b>	-	Satisfactory but Restricted Student is progressing but receives no credit. Not included in the calculation of the GPA.
<b>U</b>	-	Unsatisfactory Not included in the calculation of the GPA.
		The 'S' and 'U' grades are for evaluation of achievement in the fieldwork courses in some career programs, for colloquiums and lecture series, and for some upgrading courses. The courses employing 'S' and 'U' grades are identified in their Calendar descriptions.
<b>Notations and Symbols</b>		Notations and symbols are assigned only by the Registrar's Office.
<b>AEG</b>	-	Aegrotat standing.
<b>DE</b>	-	Grade deferred. Extension granted for course completion.
<b>NG</b>	-	No grade or credit granted. Not included in the calculation of the GPA.
<b>o</b>	-	o (zero) in the credit column indicates no credit in this course.
<b>T</b>	-	Transfer credit awarded. Not included in the calculation of the GPA.
<b>W</b>	-	Withdrawal. Course not included in calculation of grade point average.
<b>X</b>	-	Duplicate course.
<b>*</b>	-	Indicates that the student took the course on a non-credit basis. Not included in the calculation of the GPA.
<b>#</b>	-	Grade not available at time of printing.
<b>@</b>	-	Registration incomplete due to non-payment of fees.
<b>IP</b>	-	Course in progress.
<b>EX</b>	-	Exemption granted for a required course in a specific program.

# Credentials

## CREDENTIALS

Credentials are officially conferred annually at the graduation ceremonies that are held in early June.

To receive bachelor degrees, associate degrees, diplomas, certificates, or citations, all requirements specific to each program as outlined in this Calendar must be completed. In addition, for all programs, you must complete the final 40% of the program at Langara College. Any exceptions to this regulation or to any other specified requirements of the program must receive prior approval from the Graduation Adjudication Committee through the Registrar's Office.

## MULTIPLE CREDENTIALS

A student who has qualified for a credential in one program and wishes to receive a second credential of the same type in a different program may apply credits and courses from the first credential towards the requirements of the second credential where appropriate. All required courses for the second program area must be completed. A minimum of 50% of the course work applied toward the second credential must be from courses that were not used to satisfy the requirements for the first credential. The final 40% of the course work of the second credential must be completed at Langara.

## CREDENTIALS OFFERED

### Bachelor's Degree

A bachelor's degree requires the completion of a specific program of study requiring a minimum of 120 credit hours of university-level study.

### Associate Degree

An associate degree requires the completion of two years (at least 60 credits/20 three or more credit courses) of university-level study in a variety of academic areas. Associate degree requirements are mandated by the BC Ministry of Advanced Education.

### Diploma

A diploma requires the completion of a specific program of study, requiring a minimum 60 credits and a minimum of 20 three or more credit courses.

### Certificate

A certificate requires the completion of a specific program of study, requiring a minimum 30 credits and a minimum of 10 courses.

### Citation

A citation requires the completion of a specific program of study, requiring a minimum 12 credits and a minimum of four courses.

For a full list of credentials offered by Langara College, see the section entitled "Credentials offered at Langara College" on our website.

# Financial Aid

## INTRODUCTION

The Langara College Financial Aid Department responds to the needs of currently enrolled and prospective students by attempting to reduce financial barriers that might impede educational success. Students who find themselves in a financial dilemma or emergency situation are advised to come to the Financial Aid Office, Monday to Friday between 1030 and 1600 hours, and ask to speak to an advisor.

## GENERAL INFORMATION

The Financial Aid Office administers a variety of assistance programs. Staff are available to help students complete various forms relating to financial assistance. Staff can also help with budgeting and advice on general financial planning. Students experiencing financial difficulties should visit the Financial Aid Office. Staff are often able to help students find solutions to financial problems. A brief description of financial support programs available at Langara College follows. For more information and/or for funding applications, please speak to the receptionist in the Financial Aid Office.

For budgeting and financial planning information, please visit [www.canlearn.ca](http://www.canlearn.ca).

## STUDENTAID BC

StudentAid BC provides assistance in the form of Canada Student Loans or a combination of Canada Student Loans, BC Student Loans, and possibly grant funding. The amount and type of assistance awarded is based on need as assessed by the Provincial Authority. It takes approximately six weeks to process a student loan application. Students are therefore advised to apply early. Submitting online applications can speed up the approval process. Students are reminded that this is an assistance program aimed at complementing, not replacing, their own financial resources. To be eligible for StudentAid BC student loan funding, students must be registered in 60% of a full course load (9 credit hours), or 40% (6 credit hours) for students with permanent disabilities. To apply for a Student Loan online or to check the status of a Student Loan, visit [www.aved.gov.bc.ca/studentaidbc/](http://www.aved.gov.bc.ca/studentaidbc/)

First-year students from low-income families who are enrolled in programs of at least two years may be eligible for tuition assistance through the Canada Access Grant for Students from Low-Income Families. Students with permanent disabilities may be eligible for Canada Access Grants for Students with Permanent Disabilities. The grant for students with disabilities can assist with both educational costs (e.g., tuition, books, and supplies) and living costs. Speak with the Langara College Financial Aid Department or visit [www.hrsdc.gc.ca/en/learning/canada\\_student\\_loan/grant1.shtml](http://www.hrsdc.gc.ca/en/learning/canada_student_loan/grant1.shtml) for further information. These programs are administered through StudentAid BC.

## ADULT BASIC EDUCATION STUDENT ASSISTANCE PROGRAM (ABESAP)

ABESAP is a provincially-funded program designed to fund the direct educational costs of students enrolled in programs such as:

- Academic Upgrading (when not repeating courses for better grades)
- Pre-Vocational courses
- English Language Training
- Adult Special Education

ABESAP is intended for students who have left the secondary school system without completion and who wish to pursue upgrading. The amount of the grant awarded to the student is based on a standard needs assessment procedure.

## STUDENT WORK ASSISTANCE PROGRAM (SWAP)

The Student Work Assistance Program (SWAP) provides paid employment for students who demonstrate financial need. Students must be enrolled in a minimum of nine credits. (Students with permanent disabilities who are registered with Langara College Disability Services require a minimum of six credits.) This enrolment must be maintained throughout the semester in order to remain eligible for the SWAP program.

First term students are eligible, but those students who are past their first semester must have a cumulative grade point average of 2.00.

Students should contact departments on campus to check for availability of SWAP positions or search "student employment" on the Langara College website for our Student Employment postings. See the Financial Aid Department for further information.

## OUT-OF-PROVINCE STUDENT LOAN PROGRAM

Some student loan applications and website addresses for other provinces and the Yukon and Northwest Territories are available in the Financial Aid Office.

### **CANADA STUDY GRANT PROGRAM FOR HIGH NEED PART-TIME STUDENTS (HNPT - CSG)**

This program is designed to assist students who are required to study part-time and whose income falls below a prescribed threshold. The program is funded by the Federal Government and is limited to students who are enrolled in 20-59% of a full-time post-secondary course load. Canada Study Grant funding is designed to help with direct educational costs such as tuition and books. The amount of assistance awarded to the student is based on a standard part-time student needs assessment procedure. Students cannot be in default of past Canada Student Loans.

### **CANADA GRANT FOR PERSONS WITH PERMANENT DISABILITIES (CSGP-PD)**

This program is designed to assist students who have permanent functional limitations or impairments. The awards are intended to meet expenses that are not covered by other support programs and agencies. The program is funded by the Federal Government and is available to qualified full- or part-time post-secondary students with permanent disabilities. Student financial need eligibility is established through the standard StudentAid BC needs assessment procedure. To be eligible for the program, students must first apply for assistance through the regular StudentAid BC Student Loan and have assessed need. Any service/equipment costs must not have been covered by another source.

### **EMERGENCY LOANS**

Emergency loans are used to assist students when student loans have been approved but are delayed. In some circumstances, other types of income are used as security for an emergency loan; each situation is considered separately. Students in emergency situations are advised to see the receptionist in the Financial Aid Office to set up an interview with an advisor.

### **LANGARA COLLEGE SCHOLARSHIPS**

Scholarships are awarded for academic merit. In order for the competition for scholarships to be as equitable as possible, an applicant must meet certain eligibility conditions. Please check with the Financial Aid Department for these conditions. As well, scholarship recipients must satisfy any donor requirements and generally must be Canadian citizens, landed immigrants, or convention refugees with proof of status.

### **LANGARA COLLEGE SCHOLARSHIPS INCLUDE THE FOLLOWING:**

- **General Scholarships** that are available to Langara College students currently registered in a minimum of 12 credits and who were registered in a minimum of 12 credits in one of the past two semesters. Applications may be required, and can be obtained from the Financial Aid Department.
- **Departmental Scholarships** that are normally available to Langara College students registered in a minimum of 12 credits and who were registered in a minimum of 12 credits in one of the past two semesters. (Exceptional circumstances may apply.) Students receive the recommendation of program faculty when they meet specific scholarship criteria. Please check with specific departments to see if an application is required.

### **NOTE:**

As criteria change from time-to-time, please contact the Financial Aid Department or visit the College website for the most up-to-date scholarship information.

### **LANGARA COLLEGE BURSARIES**

A bursary is a non-repayable award that is based on financial need and satisfactory academic standing. Bursaries may be open to students in any program or restricted to students in specific programs, courses, or terms of study. Bursary recipients must satisfy donor requirements and must be Canadian citizens, landed immigrants, or convention refugees with proof of status. Bursaries are given out for the semester in which the student makes an application. Generally, applications must be returned to the Financial Aid Office by the middle of the second month of the semester. Please check with the Financial Aid Office for exact dates. All applicants will be notified of the results. Bursary applications are available from the Financial Aid Office. Some bursaries are term-specific. Others may be awarded in any semester.

Langara College has instituted entrance bursaries to assist students from selected secondary schools to study at the College in the September following graduation from Grade 12. Students should contact their secondary school counselling department or the Langara College Financial Aid Department for details. Langara College has a limited number of entrance bursaries for mature students to begin study in any semester. The Gwyn & Aileen Gunn Bursaries offer entry awards for First Nations students, and for students entering the Journalism or Social Service Worker programs. Contact the Financial Aid Department for details and application forms.



# Student Support Services

## **ATHLETICS AND INTRAMURALS**

The Department of Athletics and Intramurals offers a variety of activities for the student population, from intercollegiate athletics to campus recreation.

### **INTERCOLLEGIATE ATHLETICS**

Langara College competes in the BC Colleges Athletic Association (BCCAA), which includes 14 member colleges and university-colleges from across the province. Institutions compete in the following sports for men and women: badminton, basketball, and soccer.

Langara College is also a member in good standing in the Canadian Colleges Athletic Association (CCAA), the national governing body of Intercollegiate Athletics in Canada. Over the past 35 years, the Falcons have won 24 National Championships and 161 Provincial Championships (including 57 individual badminton titles); a feat matched by few colleges across the country. Any student attending Langara College and carrying a minimum course load of 9 credit hours per semester is entitled to try out for any of the collegiate sports offered and is allowed a maximum of five years of athletic eligibility.

### **INTRAMURALS (CAMPUS RECREATION)**

The Intramurals Program offers recreational activities for students, staff, and faculty all year round. In striving to meet their objectives, the Department of Athletics and Intramurals has designed recreational opportunities for fun and total participation in a relaxed environment.

Activities include basketball, badminton, tennis, indoor soccer, and much more. Interested students can call the Director of Athletics and intramurals at 604.323.5682 or visit the Department of Athletics and Intramurals in the gymnasium for further information. Individual lockers, shower facilities, and towel service are available to students.

## **BOOKSTORE**

The Langara College Bookstore stocks texts and supplementary books for College courses as well as other books and periodicals of general interest and necessary stationery supplies. It is also the campus shop for College mugs, T-shirts, pins, cards, gift wrap, and other items of special interest to Langara College students. At the beginning of each semester, the store extends its opening hours into the evening. To encourage students to buy their texts early and avoid the rush, we offer a generous returns policy, and we buy back textbooks each semester.

## **CHILD DEVELOPMENT CENTRE**

The Langara Child Development Centre is a full-time inclusive day-care centre that serves 62 children ages 18 months to five years in three separate programs - one for toddlers and two for 3-5 year old children. We are an inclusive centre with some spaces designated for children with special needs. Priority in placement is given to students and employees of Langara College.

Government subsidy based on financial need is available through the Ministry of Children & Family Development.

## **COUNSELLING DEPARTMENT**

The Langara College Counselling Department responds to the needs of students by encouraging their educational success and personal growth. The counsellors are professionals trained to provide a variety of confidential counselling services.

Appointments are available between 0830 and 1700 hours Monday through Thursday and between 0830 and 1530 hours on Friday. For an appointment, please phone the receptionist at 604.323.5221. Drop-ins are available for emergency situations or short consultations.

For current information and additional resources, please visit the Counselling website.

## **CAREER COUNSELLING**

Counsellors help students identify and develop their career goals through individual and group counselling. This process helps students identify their interests, abilities, values, and needs; explore career information; and make career decisions.

## **EDUCATIONAL COUNSELLING**

Counselling is provided to help students choose courses that will meet their educational goals. Current information about university-transfer courses and Langara College's career programs is maintained and provided by the Counselling Department.

## **PERSONAL COUNSELLING**

Counselling is available to help students resolve personal issues that may affect their academic performance or well-being. Issues may include stress management, adjustment to college, interpersonal relationships, communication skills, assertiveness training, and self-esteem. Referrals are made for students requiring long-term counselling or therapy.

## **CAREER RESOURCE CENTRE**

The Counselling Department assists students considering career options by providing information and reference material on a wide variety of occupations. The Career Resource Centre is located in the Counselling Department. A collection of college and university calendars, career literature, and information on labour market trends is available.

## WORKSHOPS

The Counselling Department offers a variety of workshops to promote student success:

- Assertiveness Training
- Career Planning
- Communication Skills
- Improving your Memory
- Mature Students: Skills for Success
- Stress Management
- Study Skills
- Test Anxiety
- Time Management

Students may sign up for these free workshops in the Counselling Department.

## DESIGNATED SERVICES

The Counselling Department has counsellors available to assist Aboriginal Students, international students, and students with disabilities.

## DISABILITY SERVICES

### General Information

Disability Services is committed to provide students with disabilities the support services and guidance needed to transition to and succeed at Langara College. Our dedicated staff work with students on a case-by-case basis to arrange appropriate services and accommodations.

Students with disabilities requesting accommodations or services must have an intake appointment with Disability Services and provide the appropriate medical documentation at least three (3) months prior to the semester, to allow adequate time to arrange accommodations. Please note that some accommodations, such as sign language interpreters or Typewell services, may take up to six (6) months to arrange. With requests received less than three (3) months prior to the start of the semester, Disability Services will make every reasonable effort to arrange the requested accommodations, but we cannot guarantee their availability.

Please contact reception at 604 323 5509, or in B139, to schedule an appointment.

Please visit our website for more information and important deadlines.

## ABORIGINAL STUDENTS

Aboriginal students have access to the following services provided by the Manager, Services to Aboriginal Students and the Aboriginal Liaison Counsellor:

- Advocacy and liaison with Band/Tribal administrations, sponsoring agencies, community resources, Langara College programs and services
- Assistance with the transition into Langara College and/or transfer to other post-secondary institutions upon completion of studies at Langara College
- College Orientation

The Manager promotes the advancement of initiatives in Aboriginal Education at Langara College. The Counsellor provides confidential educational, personal, and career counselling.

### Manager

Services to Aboriginal Students  
Office: B142  
Phone: 604.323.5645  
Fax: 604.323.5590

### Janet Lalogue-Holme

Aboriginal Liaison Counsellor  
Counselling Department: B111  
Appointments: 604.323.5221

## THE DAVE PEARSON CENTRE

The Dave Pearson Centre is located in the Langara Students' Union (LSU) building and provides an academic and social support system for all Aboriginal students.

An Aboriginal Student Liaison position is also elected to the LSU to represent the Aboriginal student body.

### Dave Pearson Centre

Langara Students' Union  
604.324.3881

## HEALTH SERVICES

Good health is an essential part of a successful educational experience! The Student Health Services staff is committed to providing confidential, friendly and accessible medical care for all Langara students. We offer health education information and resources to assist students in making lower-risk choices and promoting healthy lifestyles during college and in the years beyond. Health Services is staffed by a nurse, physicians, and a medical office assistant. A psychologist and a psychiatrist are available on a part time basis.

Our services include:

- Assessment, diagnosis and treatment of medical conditions
- Referrals to other health professionals/specialists
- Birth control counselling and supplies at low cost
- Emergency contraception ('morning after pill')
- Pregnancy tests
- Screening and treatment for sexually transmitted diseases
- Pap tests
- Immunizations
- First aid
- Counselling and stress management
- Health promotion and education
- BC Medical Services Plan (MSP) information

If Health Services cannot help a student, the student will be directed to other resources.

A limited number of over-the-counter medications are available with an appointment to see either the doctor or the nurse.

Valid medical insurance is expected, but students are not refused service if they are temporarily without health insurance.

- Hours: Open year round except on stat holidays and during the Christmas break. Monday to Friday 0830 to 1600 hours, closed for lunch from 1200 - 1300 hours.
- Phone: 604.323.5256
- Location: 'B' Building, Room B101
- Emergency Number: 4444 (internal campus line only)

## LEARNING CENTRE

The Learning Centre offers courses, workshops, and tutoring to help students develop skills and meet the academic expectations of college courses.

## TUTORING IN THE WRITING CENTRE

Drop-in tutorial help is available in the Writing Centre, located in L208 at the south end of the new library building. Skilled tutors will be on hand for one-on-one sessions in which students will be given advice about how to improve grammar and mechanics, how to generate theses, how to develop expository, argumentative, and research papers, and how to build essential proofreading skills. This free service is available on a drop-in, first-come-first-served basis. Students should be aware that the Writing Centre is not a proof-reading service; staff will not correct assignments. Visit the Writing Centre website for more information.

## BIOLOGY HELP CENTRE

The Biology Help Centre is available to students currently enrolled in Biology. Visit the Biology website for details.

## CHEMISTRY HELP CENTRE

The Chemistry Help Centre provides drop-in tutoring for Langara students registered in Chemistry courses. Check the Chemistry website for the current schedule.

## MATHEMATICS AND STATISTICS

### ACTIVITY CENTRE

Drop-in tutorial help for Mathematics and Statistics courses is available in the Mathematics and Statistics Activity Centre, located in Room L207 at the south end of the new library building. Help from faculty tutors is available for most courses and, at times, for lower-level courses from student peer tutors. The Centre houses resources such as computers, video tapes, reference books, and posters to support classroom activities in all Mathematics and Statistics courses. It also serves as a location for collaborative and individual study, and for the mastery testing component of our Mathematics 1100 and 1101 courses. Visit the Mathematics and Statistics website for more information.

## PHYSICS HELP CENTRE

The Physics Help Centre provides drop-in tutoring for Langara College students registered in Physics courses. Current schedules are posted on the Physics website.

## LIBRARY AND MEDIA SERVICES

### THE LIBRARY

This is your space to read, study, collaborate and relax. The Library is your link to worldwide information resources including books, e-books, journals, magazines, newspapers, databases and media materials.

### LIBRARY HOURS

See the Library website for current hours. Use the Library's online resources 24/7.

### STUDY SPACE

370+ seats for individual study, 7 group study rooms, 2 presentation practice rooms/mini-theatres, wireless internet and 2 computer labs.

### RESEARCH ANYWHERE, ANYTIME

The Library subscribes to a wide range of electronic sources including encyclopedias, e-books, government documents, streaming videos, and articles in newspapers, magazines and journals.

### HELP WITH RESEARCH

Reference librarians provide research help in the Library, and by email, chat or phone. They offer classes and online tutorials on how to do research. The Library website provides many opportunities for self-help.

### COMPUTERS AND WIRELESS

Individual research stations, two open computer labs, and wireless service give access to Library databases, the internet, and course-related software.

### LIBRARY CATALOGUE

The online catalogue lists print, media and online materials in the Library's collection.

### COURSE READINGS

Books, articles, and DVDs set aside by your instructors are available for short-term loan.

## JOURNALS AND MAGAZINES

The library subscribes to many popular magazines and academic journals. Print periodicals may be borrowed and many thousands more are available full text online through the Library's databases.

## MEDIA COLLECTION

Audiovisual materials include videos on 16mm, VHS, DVD, streaming videos and Music on CD. These can all be found through the library catalogue. Subscriptions to streaming collections such as the National Film Board, Alexander Street Press' Ethnographic Video and American History provide a range of content, searchable from the catalogue, and can be viewed on campus or at home.

## BORROWING MATERIALS

To borrow library materials, students must be registered in courses at Langara College. Load periods and fines vary according to the type of item. Students are responsible for all items signed out on their card. Fines are levied on overdue materials. Students who owe fines or have outstanding materials will not be permitted to register in subsequent semesters, obtain credentials, or receive official transcripts until these debts to the College are paid.

## INTER-LIBRARY LOAN SERVICE

This service is a way for students to obtain books, articles, and videos unavailable at Langara College. Students may ask for assistance at the reference desk or may use the online interlibrary loan request form.

## INSTRUCTIONAL MEDIA SERVICES

Instructional Media Services (IMS) assists students with the production of materials for class presentations and assignments. Overhead transparency and lamination services can be purchased. Students are encouraged to consult staff for advice and suggestions on video or audio production for course-related projects. Equipment such as VCRs, slide and film projectors, digital video projectors, and audiocassette players can be scheduled for in-class presentations. IMS is located at Room C265 on the second floor of the south side of the 'C' Building.

### LOST AND FOUND

The Lost and Found, located in the Information Kiosk (604-323-5686), holds articles for one semester. Thereafter, they are sold to raise funds for student bursaries or given to charitable organizations for distribution.

### ORIENTATION FOR NEW STUDENTS

Orientation is an important part of enrolment. Each semester, before classes begin, the College hosts an orientation for new students. Participating in this event is an excellent way to find out more about Langara College and to prepare for college studies.

### PARKING

The parkade and general surface lots are open for visitors and student use. The north-east parking lot is reserved for authorized employees only.

Parking lots and the parkade are closed at 2330 hours Monday to Friday, 1900 hours Saturday and Sunday and all statutory holidays. Vehicles remaining on site after hours will be removed at the owner's expense.

Street parking in the surrounding area is restricted, and regulations are enforced by fines and tow-away penalties.

For details, visit the online parking information website.

### REGISTRAR'S OFFICE

The Registrar's Office provides a variety of services and information to assist students in admissions, registration, graduation, and transfer to other institutions:

- Applications for admission
- Admissions information
- Registration Guide and Course Schedule
- Transfer credit requests
- Enrolment verification letter and forms
- Change of name and address requests
- Official and unofficial transcripts requests
- Applications for graduation
- Replacement of credential requests
- Information about 'holds' on transcripts and registration
- Course outline requests
- Graduation adjudication requests

The Registrar's Office receives appeals relating to final grades, admissions, and re-admission. For more information, visit the Registrar's Office website.

### STUDENT IDENTIFICATION CARDS

Instructional Media Services (IMS) takes photos for the Langara student photo ID cards at times and locations posted throughout the College and on the College website. All new students are entitled to one free card. Lost or stolen cards can be replaced for a fee. Students with cards that have expired can get valid date stickers at the Library, Information Kiosk, and the Registrar's Office. Student cards can be used as a Library card with a bar code issued by the Library, to access other College services, and to receive student discounts, where applicable.

# Credentials Offered at Langara

## BACHELOR'S DEGREES

Bachelor of Business Administration Degree  
Bachelor of Recreation Management  
Bachelor of Science in Nursing Degree

## ASSOCIATE DEGREES

Associate of Arts Degree  
Associate of Arts Degree in Aboriginal Studies  
Associate of Arts Degree in Asian Studies  
Associate of Arts Degree in Canadian Studies  
Associate of Arts Degree in Classical Studies  
Associate of Arts Degree in Commerce and Business Studies  
Associate of Arts Degree in Creative Writing  
Associate of Arts Degree in English  
Associate of Arts Degree in Environmental Studies  
Associate of Arts Degree in Family Studies  
Associate of Arts Degree in Geography  
Associate of Arts Degree in Health Sciences  
Associate of Arts Degree in Latin American Studies  
Associate of Arts Degree in Mathematics  
Associate of Arts Degree in Peace and Conflict Studies  
Associate of Arts Degree in Psychology  
Associate of Arts Degree in Women's Studies  
Associate of Science Degree  
Associate of Science Degree in Chemistry  
Associate of Science Degree in Computer Science  
Associate of Science Degree in Computer Science Co-operative Education  
Associate of Science Degree in Dietetics  
Associate of Science Degree in Ecology  
Associate of Science Degree in Environmental Studies  
Associate of Science Degree in General Biology  
Associate of Science Degree in Health Sciences  
Associate of Science Degree in Mathematics  
Associate of Science Degree in Molecular/Microbiology  
Associate of Science Degree in Physics

## DIPLOMAS

Diploma in Accounting  
Diploma in Accounting Co-operative Education  
Diploma in Applied Urban and Rural Planning  
Diploma in Applied Urban and Rural Planning (Computer Applications)  
Diploma in Applied Urban and Rural Planning (Environmental Planning)  
Diploma in Applied Urban and Rural Planning (Rural Planning)  
Diploma in Applied Urban and Rural Planning (Urban Planning)  
Diploma in Arts and Science  
Diploma in Arts and Science (Aboriginal Studies)  
Diploma in Arts and Science (Applied Computer Science and Technology)  
Diploma in Arts and Science (Applied Computer Science and Technology)  
Co-operative Education  
Diploma in Arts and Science (Asian Studies)  
Diploma in Arts and Science (Biology)  
Diploma in Arts and Science (Canadian Studies)  
Diploma in Arts and Science (Classical Studies)  
Diploma in Arts and Science (Commerce)  
Diploma in Arts and Science (Environmental Studies)  
Diploma in Arts and Science (Family Studies)  
Diploma in Arts and Science (Health Science: Arts)  
Diploma in Arts and Science (Health Science: Science)

Diploma in Arts and Science (Latin American Studies)  
Diploma in Arts and Science (Peace and Conflict Studies)  
Diploma in Arts and Science (Women's Studies)  
Diploma in Business Management  
Diploma in Business Management Co-operative Education  
Diploma in Chinook Business  
Diploma in Computer Studies  
Diploma in Computer Studies Co-operative Education  
Diploma in Criminal Justice  
Diploma in Design Formation  
Diploma in Early Childhood Education  
Diploma in Education Assistant (Co-ordinated)  
Diploma in Financial Management  
Diploma in Financial Management Co-operative Education  
Diploma in Fine Arts  
Diploma in General Education  
Diploma in Human Kinetics  
Diploma in Journalism  
Diploma in Leisure Studies  
Diploma in Library & Information Technology  
Diploma in Management Information Systems  
Diploma in Management Information Systems Co-operative Education  
Diploma in Marketing Management  
Diploma in Marketing Management Co-operative Education  
Diploma in Nutrition and Food Service Management  
Diploma in Professional Photo-Imaging  
Diploma in Publishing  
Diploma in Recreation Leadership  
Diploma in Social Service Worker (Co-ordinated)  
Diploma in Theatre Arts (Acting)  
Diploma in Theatre Arts (Production)

## CERTIFICATES

Post-Degree Certificate in Arts and Science (Aboriginal Studies)  
Certificate in Arts and Science (Engineering)  
Certificate in Computer Studies Foundation  
Certificate in Computer Studies Foundation Co-operative Internship  
Certificate in Education Assistant  
Certificate in Film Arts (Acting)  
Certificate in Film Arts (Directing)  
Certificate in Film Arts (Writing)  
Certificate in Internet/Web Computing & Software Development  
Certificate in Internet/Web Computing & Software Development  
Co-operative Internship  
Certificate in Journalism  
Certificate in Professional Computer Science and Technology  
Certificate in Social Service Worker

## CITATIONS

Citation in Early Childhood Education: Special Education Post-Basic  
Citation in Ecology  
Citation in Environmental Studies

# Langara College Program Information

# Programs at a Glance

Program type			Program name	Credentials offered							
ARTS AND SCIENCE	CAREER	LIMITED ENROLMENT (LE)		BACHELORS DEGREE	ASSOCIATE OF ARTS DEGREE	ASSOCIATE OF SCIENCE DEGREE	DIPLOMA	CO-OPERATIVE OPTION	CO-ORDINATED DIPLOMA	CERTIFICATE	CITATION
▪		▪	Aboriginal Studies		▪		▪			▪	
▪	▪		Accounting				▪	▪			
▪			Applied Computer Science and Technology				▪	▪			
▪		▪	Applied Urban and Rural Planning				▪				
▪			Arts (General)		▪		▪				
▪			Arts and Science				▪				
▪			Asian Studies		▪		▪				
▪			Biology (Ecology)			▪					
▪			Biology (General)			▪					
▪			Biology (Molecular/Microbiology)			▪					
	▪		Business Administration	▪							
	▪		Business Management				▪	▪			
▪			Canadian Studies		▪		▪				
▪			Chemistry			▪					
	▪		Chinook Business Program				▪				
▪			Classical Studies		▪		▪				
▪		▪	Commerce				▪				
▪			Commerce & Business Studies		▪						
▪			Computer Science			▪		▪			
▪		▪	Computer Studies				▪	▪		▪	
▪		▪	Computer Studies Foundation					▪		▪	
▪			Creative Writing		▪						
	▪		Criminal Justice				▪				
	▪		Design Formation				▪				
▪			Dietetics			▪					
	▪		Early Childhood Education				▪				
	▪		Early Childhood Education: Special Education Post Basic								▪
▪			Ecology								▪
	▪		Education Assistant						▪	▪	
▪		▪	Engineering							▪	
▪			English		▪						
▪			Environmental Studies		▪	▪	▪				
▪			Family Studies		▪		▪				

Program type			Program name	Credentials offered							
ARTS AND SCIENCE	CAREER	LIMITED ENROLMENT (LE)		BACHELORS DEGREE	ASSOCIATE OF ARTS DEGREE	ASSOCIATE OF SCIENCE DEGREE	DIPLOMA	CO-OPERATIVE OPTION	CO-ORDINATED DIPLOMA	CERTIFICATE	CITATION
	▪		Film Arts (Acting)							▪	
	▪		Film Arts (Directing)							▪	
	▪		Film Arts (Writing)							▪	
	▪		Financial Management				▪	▪			
	▪		Fine Arts				▪				
			General Education				▪				
▪			Geography		▪						
▪			Health Sciences		▪	▪	▪				
▪			Human Kinetics				▪				
▪		▪	Internet/Web Computing & Software Development					▪		▪	
	▪		Journalism				▪			▪	
▪			Latin American Studies		▪		▪				
▪			Leisure Studies				▪				
	▪		Library & Information Technology (Regular & Flexible Participation)				▪				
▪		▪	Management Information Systems				▪	▪			
	▪		Marketing Management				▪	▪			
▪			Mathematics		▪	▪					
	▪		Nursing	▪							
	▪		Nursing Transition								
	▪		Nutrition and Food Service Management				▪				
▪			Peace and Conflict Studies		▪		▪				
▪			Physics			▪					
▪		▪	Professional Computer Science and Technology							▪	
	▪		Professional Photo-Imaging				▪				
▪			Psychology		▪						
	▪		Publishing				▪				
	▪		Recreation	▪			▪				
▪			Science (General)			▪					
	▪		Social Service Worker						▪	▪	
	▪		Theatre Arts (Acting)				▪				
	▪		Theatre Arts (Production)				▪				
▪			Women's Studies		▪		▪				



# Programs: Overview

## Introduction

A Langara College program consists of a planned selection of courses that together provide purposeful study towards some definite educational or occupational goal.

## ARTS AND SCIENCE (UNIVERSITY TRANSFER) PROGRAMS

A Langara College program consists of a planned selection of courses that together provide purposeful study towards some definite educational or occupational goal.

Langara College offers arts and science courses and programs in a variety of subject areas that can lead to a Langara College credential. Most arts and science courses have transfer credit at universities in British Columbia and will transfer to other universities within Canada. Students may opt to begin with a general arts and science program that will allow them to take a variety of courses without having to identify at the beginning of their studies which program they want to complete. These students can determine the program they want to complete at any time during their studies and will identify their program of study when they apply for graduation.

Students applying to arts and science programs that do not have limited enrolment apply for the general arts and science program. These students will identify the program from which they want to graduate when they apply for graduation.

## ARTS AND SCIENCE LIMITED ENROLMENT PROGRAMS

Students wanting to complete an arts and science program with limited enrolment apply directly to the specific program. These programs are denoted by "LE" in the Arts and Science Program listing. Limited enrolment programs may have additional admission requirements.

### NOTE:

Many courses within arts and science limited enrolment programs are available to students who are not admitted to the program. Students can check the course description for information on these courses and subject areas.

## INTERDISCIPLINARY STUDIES PROGRAMS

The Department of Interdisciplinary Studies (IDS) currently offers two-year Arts and Science Diploma and Associate Degree programs that provide multidisciplinary perspectives on a variety of topics. All IDS programs subscribe to the principle that exploring issues and ideas beyond the boundaries of individual single subject areas is stimulating and informative. Interdisciplinary Studies programs are also committed to offering students unique opportunities to develop their analytical and communication skills, assets that have widespread applications.

Specific program requirements for a diploma or an associate degree vary from program to program, but each program allows students the opportunity to assemble a set of university-transfer courses that meet program core requirements while accommodating individual student interests. This is accomplished through a program structure that encourages students to include a wide range of optional support course selections to meet diploma requirements.

## Areas of Concentration

- Canadian Studies
- Classical Studies
- Environmental Studies
- Family Studies
- Latin American Studies
- Peace and Conflict Studies
- Women's Studies

Upon completion of the first year of post-secondary studies (10 courses, 30 credits), students may make a formal declaration in writing to the Chair of the Department of Interdisciplinary Studies stating their intention to pursue a diploma or an associate degree with a concentration in and IDS program.

The selection of students to participate formally in one of the IDS programs is based upon completion of 10 courses (30 credits) and CGPA (3.0 minimum preferred) and provides priority registration in those courses needed to fulfill the diploma or associate degree requirements. Students not formally selected to participate in a departmental program may still pursue a diploma or an associate degree in their selected area of concentration, but they register for all required courses according to the normal registration schedule for arts and science students.

## EXTERNAL STUDIES PROGRAMS

External Studies Programs are one-semester interdisciplinary and limited enrolment programs, offered from time to time, that include several weeks of travel and study. Students will be introduced to discipline-specific studies relative to the countries in which they are travelling. The exact format will vary with each program.

Some recent examples of field studies program include:

- European Studies (Study in Europe)
- Study in London (Theatre)
- Haida Gwaii Studies
- Study in Italy

For more information, visit the External Studies website.

### **Institutes**

Institutes are one-semester intensive interdisciplinary programs addressing a single theme. A small cohort of students will explore the given theme through three discipline-specific studies. Institutes will be offered from time to time on campus. The exact format will vary with each program.

A recent example of an institute program is the Langara College Environment Institute.

### **CAREER PROGRAMS**

Langara College offers career programs, developed with the co-operation of community-based advisory committees, in fields that lead to careers in the arts, business, industry, and community services.

Langara College offers career programs leading to one-year certificates, two-year diplomas, and four-year bachelor's degrees. Although some of Langara College's career programs require that students complete the program within a specific time period, many of the programs can be completed on a part-time basis.

Students are required to apply directly to a career program, and they may be required to submit supplementary applications, letters of reference, portfolios, and/or evidence of completion of other prerequisites. Refer to program admission descriptions for details.

### **NOTE:**

Many courses offered as part of a career program are available to students who are not admitted to the program. Check the course description portion of this Calendar for information on restrictions and prerequisites.

### **GENERAL EDUCATION PROGRAM**

The Diploma in General Education is appropriate for students who prefer a diverse selection of courses and do not necessarily plan to undertake university study. Students may select the basic requirements of at least 20 courses (minimum 60 credits) from any of the Langara College offerings that are eligible to be used for a Langara College credential. Students must choose a minimum of six credits from the offerings of the English Department.

### **CO-ORDINATED PROGRAMS**

Completion of a Langara College certificate, or an approved certificate at the Native Education College, and the following:

A minimum 30 credits (minimum 10 courses) including a minimum 24 credits (minimum 8 courses) of university-transferable courses that have science, social science, or humanities attributes, and 6 credits (2 courses) of any course eligible to be used towards a Langara College credential. Six credits of the credits required for this diploma must be from the offerings of the English Department.

### **NOTES:**

- A link to course attribute information can be found in the course description.
- A small number of courses cannot be used towards a Langara credential. These courses for example, include ENGL 1107, ENGL 1108, ENGL 1110, and MATH 1100, and MATH 1101. COOP courses may only be used to meet co-operative education requirements. Students can refer to the course descriptions for further information.
- Students who have a Langara College certificate may transfer in the 30 credits (minimum 10 courses) from another institution provided the credits were earned before the completion of the certificate. *To receive a Langara College credential, the last 40% of the program must be completed at Langara College.*
- Some examples of co-ordinated programs include:
  - Social Service Worker Co-ordinated Program
  - Education Assistant Co-ordinated Program

# Co-operative Education

## INTRODUCTION

Langara College Co-operative Education programs enable students to integrate academic studies with related, practical work experience. Co-op students alternate terms of classroom studies with terms of paid, full-time employment with a participating employer. The primary goal of Co-operative Education is to help students develop the hands-on skills and confidence necessary to succeed in today's competitive job market. Co-operative Education can help break down the "no experience — no job" barrier.

Langara College's Co-op instructors develop career-related work placements with suitable local businesses, government, and non-profit organizations. Students are strongly encouraged to start building their professional networks, thereby learning to self-market their skills and abilities. Through a competitive application, interview and selection process, students are matched with employers. Employers make the final hiring decision. Although every effort is made to arrange placements, the College cannot guarantee that a student will be selected for a placement.

## WORK TERM

Each work term is generally four months in duration (minimum 360 hours). During each work term, the Co-op instructor monitors the progress of each student on the job

### NOTE:

Students who are in any program may be eligible for a co-operative education experience. For further information, contact the Co-operative Education Office at 604 323 5434 or visit the office in Room A167.

## ADMISSION REQUIREMENTS

To be admitted and participate in a Co-operative Education option, students must:

- Be enrolled in 3 program courses (minimum 9 credits) or more, not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op instructor; and
- Complete BUSM 2300 with a "C" or higher.

## CO-OPERATIVE WORK TERM CREDIT

To receive full credit for a work term and to qualify for a subsequent work term, each student must:

- Receive a satisfactory evaluation from the employer's designated work place supervisor;
- Have completed a formal work term report; and
- Remain enrolled as a student in subsequent academic terms.

### NOTE:

Credits are earned for each co-op work term. The fee for each credit is the same as for a normal academic credit. Students are responsible for all work-term related expenses such as transportation, accommodation, and meals.

## GRADUATION

Students successfully completing all requirements for each academic term and each co-op work term (two work terms for a diploma; three to four work terms for a bachelor's degree) in a program will be awarded a credential with a Co-operative Education designation.

# Langara College Programs

# Aboriginal Studies

Department: Aboriginal Studies

Division: Social Sciences

Program Type: Arts and Science Limited

Enrolment

## OPTIONS

- Associate of Arts Degree in Aboriginal Studies
- Diploma in Arts and Science (Aboriginal Studies)
- Post-degree Certificate in Aboriginal Studies

## NOTE:

Some changes to this Program may occur. Applicants will be notified of any changes implemented.

## GENERAL INFORMATION

The Aboriginal Studies Program is an integrated university-transferable program that addresses historic and contemporary Aboriginal issues in Canada. The Aboriginal Studies Program is unique and comprehensive. The program welcomes all Aboriginal and non-Aboriginal students.

The Aboriginal Studies Program has been designed to maximize options for graduates. In this respect, the program curriculum adopts a unique outcome approach, providing flexible options for students in terms of employment or further post-secondary education. The Aboriginal Studies Program also strives to overcome many of the systemic barriers that can hinder the success and completion rates for many Aboriginal students. Equal emphasis is placed on developing analytical, critical thinking, and interpersonal communications skills, as well as laying a solid foundation for additional educational pursuits.

The curriculum provides students with a thorough understanding of the historic and current circumstances of Aboriginal life in Canada and internationally, while at the same time looking to the future in terms of Aboriginal self-government and community development.

The three options of study in the Aboriginal Studies Program differ in the number of credits required for each option and in that the Associate of Arts Degree Option requires Math and Science. The option chosen will depend on the needs and future goals of the student. The associate degree and diploma programs can be completed in four semesters. The certificate program can be completed in two semesters. All options can be completed on a part-time basis.

A unique and integral aspect of the Aboriginal Studies Program is the seminar component in which both students and faculty participate. The goals of these seminars are:

- To expose the students to and stimulate discussion on different topics that may or may not be covered in the classroom.
- To promote and foster a sense of community amongst the Aboriginal Studies Program students and faculty.
- To provide for open discussion and feedback from the students to assist in program evaluation and to facilitate change.
- To establish a supportive atmosphere between students and the program faculty to enhance completion/retention rates. Elders often participate in the seminars.

Program intake: September, January, and May

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

Completion of BC Grade 12 or equivalent, or be 19 years of age or older.

One of the following:

LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Note:

Students who do not meet the above English requirements may be admitted to the program; however, students so admitted must complete all program requirements, which includes six credits of first-year university-transferable English, to qualify for graduation. To complete all program requirements, these students will be required to sit the LET in their first semester and attain appropriate test scores. Should the student not attain the appropriate score, the student may be required to take remedial courses. Students admitted with a missing admission requirement will be notified in their acceptance letter of the conditions of their acceptance.

### Program Requirements

A letter of intent that outlines students' reasons for wanting to enrol in this Program, their educational goals, and their career goals.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).
- Letter of intent.

Please refer to the program application dates in the Application for Admission section in this Calendar.

## ASSOCIATE OF ARTS DEGREE IN ABORIGINAL STUDIES

### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following Aboriginal Studies 'core' courses (Total 30 credits):  
ABST 1100, 1102, 1104, 1115, 1116, 1150, 1200, 2120  
AND either ABST 2100 and 2101 or ABST 2230 and 2240
2. Attendance and completion of 3 of the following bi-weekly seminars:  
ABST 1105, 1106, 1107, 1108
3. Students must also complete the general requirements of an Associate of Arts Degree including:
  - 6 credits in first-year English
  - 6 credits in Humanities (other than English)
  - 3 credits in either Mathematics, Statistics or Computer Science
  - 3 credits in Science (ABST 1207 meets this requirement)
  - 3 credits in a Lab Science (ABST 1206 meets this requirement)

Students must maintain a 2.0 or higher grade point average calculated on all courses counting towards the degree.

Elective choices must be made in consultation with the Program Co-ordinator. Please request a complete list of acceptable electives from the Co-ordinator.

## DIPLOMA IN ARTS AND SCIENCE (ABORIGINAL STUDIES)

### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete the following:

1. All of the following Aboriginal Studies 'core' courses (Total 30 credits):  
ABST 1100, 1102, 1104, 1115, 1116, 1150, 1200, 2120  
AND either ABST 2100 and 2101 or ABST 2230 and 2240
  2. Attendance and completion of 3 of the following bi-weekly seminars:  
ABST 1105, 1106, 1107, 1108
  3. General Diploma requirements including:  
ENGL 1127/1128 or 1129/1130.
- Elective choices must be made in consultation with the Program Co-ordinator. Please request a complete list of acceptable electives from the Co-ordinator.

## POST-DEGREE CERTIFICATE IN ABORIGINAL STUDIES

### GENERAL INFORMATION

Students wishing admission to the Post-Degree Certificate Program must have a university degree in an appropriate discipline. The Post-Degree Certificate is composed of 30 credits from the program's core courses. The intent of the certificate is to provide an educational option for university graduates whose work requires knowledge of Aboriginal issues.

### ADMISSION REQUIREMENTS

Please refer to the general requirements for Admission and Application to Langara College programs.

### Academic Requirements

A university degree in an appropriate discipline, e.g., Social Sciences.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- Application and Supporting Documents Deadline

Applications are accepted on an ongoing basis.

### CURRICULUM

For a Post-Degree Certificate, students must complete 30 credits from the following:

- ABST 1100, 1102, 1104, 1115, 1116, 1150, 1200, 2100, 2101, 2120, 2230, 2240
- Course planning must be approved by the Program Co-ordinator.

# Accounting

Department: Langara School of Management  
Division: Business and Community Programs  
Program Type: Career

## OPTIONS

- Diploma in Accounting
- Diploma in Accounting Co-operative Education
- Bachelor of Business Administration Degree, Accounting Concentration

## GENERAL INFORMATION

The objective of this two-year diploma program is to prepare for careers in Accounting. Many of the program courses are eligible for university-transfer credit or exemptions for the courses offered by the Certified General Accountants Association, the Certified Management Accountants Society or the Institute of Chartered Accountants. The curriculum includes a mix of business and academic courses that provide students with both the practical skills required in accounting and proficiency in business decision-making and analysis.

Graduates of this program who meet the minimum academic entrance requirements will be able to ladder into the third year of the Bachelor of Business Administration Program.

Program intake: September, January, and May

## ADMISSION REQUIREMENTS

Students interested in this program must apply to the Bachelor of Business Administration (BBA) Program in the Langara School of Management. An Accounting Diploma is awarded upon completion of appropriate courses within the first two years (60 credits) of the BBA program. Please see the Business Administration (BBA) program information for admission requirements.

## DIPLOMA IN ACCOUNTING

### CURRICULUM

To obtain a Diploma in Accounting, students will be required to attain 60 credits.

All core courses from the following:  
(Total: 60 or 63 credits)

Course No.	Credits
BCAP 1200	3
BUSM 1100	3
BUSM 1285	3
BUSM 1500	3
BUSM 2200	3
BUSM 2300*	3
CMNS 1118	3
ECON 1220 or 1221	3
ENGL 1127 or 1128	3
FMGT 1115	3
FMGT 1215	3
FMGT 1321	3
FMGT 2308	3
FMGT 2294	3
FMGT 2325	3
FMGT 2371	3
FMGT 2421	3
FMGT 2474	3
MARK 1115	3
MATH 1118	3
STAT 1123 or 1124 or 1181	3

\* Compulsory for students wanting to do the co-op option. Optional for all other students in the program.

## DIPLOMA IN ACCOUNTING CO-OPERATIVE EDUCATION

Students who wish to participate in this option must maintain above-average academic standing and demonstrate potential for success in their chosen professional field.

Usually, four-month (minimum of 360 hours) work terms are scheduled for the third and fifth terms of the program. Two work terms need to be completed for a Co-op designated diploma. Employers provide the Co-op instructors with job descriptions to be posted. Students submit their resumes via the Co-op instructor, who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant in self-marketing to source their co-op work placements.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

## ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Education Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op instructor; and
- Complete BUSM 2300 with a 'C' or higher.

Also see Co-operative Education Programs

## DIPLOMA IN ACCOUNTING CO-OPERATIVE EDUCATION

### CURRICULUM

To obtain a Diploma in Accounting Co-operative Education, students will be required to attain 69 credits.

All core courses from the following:  
(Total: 63 credits)

Course No.	Credits
BCAP 1200	3
BUSM 1100	3
BUSM 1285	3
BUSM 1500	3
BUSM 2200	3
BUSM 2300	3
CMNS 1118	3
ECON 1220 or 1221	3
ENGL 1127 or 1128	3
FMGT 1115	3
FMGT 1215	3
FMGT 1321	3
FMGT 2294	3
FMGT 2308	3
FMGT 2325	3
FMGT 2371	3
FMGT 2421	3
FMGT 2474	3
MARK 1115	3
MATH 1118	3
STAT 1123 or 1124 or 1181	3

### WORK TERM 1 (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2301	3

### WORK TERM 2 (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2501	3

### NOTE:

Students are advised to review individual course descriptions for prerequisites. Not all courses will be offered in every semester; students should take care when planning their course schedule.

## Applied Computer Science and Technology

Department: Computing Science and Information Systems  
Division: Mathematics and Sciences  
Program Type: Arts and Science

### APPLIED COMPUTER SCIENCE AND TECHNOLOGY

#### OPTIONS

- Diploma in Arts and Science (Applied Computer Science and Technology)
- Diploma in Arts and Science (Applied Computer Science and Technology) Co-operative Education

#### GENERAL INFORMATION

Langara College's two-year Applied Computer Science and Technology Program (ACST) is a program of study leading to a Diploma in Arts and Science. This university-transfer program prepares students for meeting the challenges of information technology by providing them with life-long opportunities for academic and career advancement through blended (theoretical concepts and hands-on experience) and practical (co-op placement) education.

Program intakes: January, May, and September

#### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs. Students considering this program are advised to review the Computer Studies Diploma and to consult with the Computing Science and Information Systems Co-ordinator of Student Affairs.

## DIPLOMA IN ARTS AND SCIENCE (APPLIED COMPUTER SCIENCE AND TECHNOLOGY)

### CURRICULUM

#### FIRST TERM (TOTAL: 15 OR 18 CREDITS)

Course No.	Credits
CPSC 1160	3
CPSC 1181	3
CPSC 1401	3
ENGL 1127 or 1128 or CMNS 1115 or 1118	3
MATH 1153 or 1171 or 1173/1183 (preferred)	3
BUSM 2300 *	3

\* Compulsory for students wanting to do the co-op option. Optional for all other students in the program.

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
CPSC 1220	3
CPSC 1280	3
CPSC 2150	3
CPSC 2401	3
MATH 1253 or 1271 or 1273/1283	3

#### THIRD TERM (TOTAL: 15 CREDITS)

Course No.	Credits
CPSC 2180	3
CPSC 2190	3
CPSC 2220	3
CPSC 2480	3
ENGL 1129 or 1130 or CMNS 1115 * or 1118 *	3

\* whichever not completed in Term 1

#### FOURTH TERM (TOTAL: 15 CREDITS)

Course No.	Credits
CPSC 2211	3
CPSC 2261	3
CPSC 2280	3
CPSC 2301	3
CPSC 2451	3

### NOTE:

Substitution of courses or exemptions can be made. Consult with the Department.

A student must earn a grade of 'C-' or higher in all program courses to be eligible for the diploma. In addition, a grade of 'C' or higher is required in those Computer Science courses that are prerequisites to other Computer Science courses. Students must have an interview with the Program Co-ordinator.



## DIPLOMA IN ARTS AND SCIENCE (APPLIED COMPUTER SCIENCE AND TECHNOLOGY) CO-OPERATIVE EDUCATION

Students who wish to participate in this option must maintain above average academic standing and demonstrate potential for success in their chosen professional field.

Usually four-month (minimum of 360 hours) work terms are scheduled. Two work terms need to be completed for a Co-operative Education designated diploma. Beginning each January, May, and September, some of these work terms are extended for a total of eight months. Employers provide the Co-op Officers with job descriptions to be posted. Students submit their resumes via the Co-op Officer who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant self-marketing in order to source their co-op work placements.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

Also see Co-operative Education Programs

### ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Education Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op Officer; and
- Complete BUSM 2300 with a 'C' or higher.

## CURRICULUM

### FIRST TERM (TOTAL: 18 CREDITS)

Course No.	Credits
CPSC 1160	3
CPSC 1181	3
CPSC 1401	3
ENGL 1127 or 1128 or CMNS 1115 or 1118	3
MATH 1153 or 1171 or 1173/1183 (preferred)	3
BUSM 2300	3

### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
CPSC 1220	3
CPSC 1280	3
CPSC 2150	3
CPSC 2401	3
MATH 1253 or 1271 or 1273/1283	3

### THIRD TERM (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2301	3

### FOURTH TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1129 or 1130 or CMNS 1115 * or 1118* * whichever not completed in Term 1	3
CPSC 2180	3
CPSC 2190	3
CPSC 2220	3
CPSC 2480	3

### FIFTH TERM (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2501	3

### SIXTH TERM (TOTAL: 15 CREDITS)

Course No.	Credits
CPSC 2211	3
CPSC 2261	3
CPSC 2280	3
CPSC 2301	3
CPSC 2451	3

### NOTE:

Substitution of courses or exemptions can be made. Consult with the Department.

A student must earn a grade of 'C-' or higher in all program courses to be eligible for the diploma. In addition, a grade of 'C' or higher is required in those Computer Science courses that are prerequisites to other Computer Science courses. Students must have an interview with the Program Co-ordinator.

## Applied Urban and Rural Planning

Division: Social Sciences

Department: Applied Urban & Rural Planning

Program Type: Arts and Science Limited

Enrolment

### OPTIONS

- Diploma in Applied Urban And Rural Planning
- Diploma in Applied Urban And Rural Planning (Computer Applications and Graphics)
- Diploma in Applied Urban And Rural Planning (Environmental Planning)
- Diploma in Applied Urban And Rural Planning (Rural Planning)
- Diploma in Applied Urban And Rural Planning (Urban Planning)

### GENERAL INFORMATION

This is an intensive two-year program designed for students from a wide range of educational backgrounds. Some program students have a degree, some considerable workplace experience, and others come directly from secondary school. Our Applied Planning students share an enthusiasm and motivation to contribute to better and more livable communities and a more sustainable environment.

The Applied Urban and Rural Planning Program focuses on applied planning skills for people who wish to work in planning. Courses emphasize team-based learning and introduce students to case studies, practical projects, and a range of practical skills necessary for the practicing planner. Graduates of this diploma program find work with planning organizations, such as planning consultancies, municipalities and regional districts. Other graduates go on to further studies in planning or a related discipline at university.

Students in the program require sixty credits (twenty courses) and four seminar series to graduate with a Diploma in Applied Urban and Rural Planning. They may take the program full-time (two years, four five-course semesters), or part-time. Most Applied Planning courses (APPL) are scheduled in the evening to facilitate part-time study. If students are interested in completing a degree, most program courses are transferable to undergraduate studies at other colleges and universities in BC. Students may also apply to transfer courses from other colleges and universities in BC and Canada into the program.

Entry into the program takes place in September, although students with degrees or previous post-secondary study may also enter in January. (If students are considering a January start, contact the Program Co-ordinator to discuss whether a late start is appropriate for them.) Students in the program are eligible for student membership in the Canadian Association of Certified Planning Technicians.

The program course schedule allows students some flexibility in designing their own schedules. If students are entering the program directly from secondary school, they may prefer a more gradual start. For example, students may want to improve their basic computer skills or select other useful electives in the first term.

Program graduates may be eligible to transfer to the School of Environmental Planning at UNBC to complete a degree in planning. Students must meet UNBC entry requirements. The UNBC program is accredited by the Canadian Institute of Planners.

Program intake: September

#### Areas of Concentration

Students in the Applied Planning Program may select from a number of diploma formats.

In addition to the main program, Diploma in Applied Urban and Rural Planning, students may focus on an area of concentration:

- Computer Applications and Graphics
- Environmental Planning
- Rural Planning.
- Urban Planning

All areas of concentration require students to complete a minimum 60 credits (twenty courses) and four seminar series to graduate with a diploma. Students need to be aware that the courses required to complete the areas of concentration require courses from other Langara departments. Our students do not have preferential entry to these courses. For these reasons, students will need to plan their course schedules very carefully and consult the Program Co-ordinator.

#### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

Completion of BC Grade 12 or equivalent, or be 19 years of age or older.

- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
- One of the following:  
A Mathematics Diagnostic Test score that will provide eligibility for registration in STAT 1124; or 'C' or higher grade in BC Principles of Mathematics 11, within the last three years.

#### Notes:

- To register into the STAT 1124 requirement of the program, the mathematics prerequisite for the course, either Principles of Mathematics 11 or the Mathematics Diagnostic Test (Statistics), cannot be more than three years old. Students should ensure that they register into the STAT 1124 course before their prerequisite for this course expires.
- Prospective students should contact the Math/Stat Department Student Advisor for information and practice problems related to the Mathematics Diagnostic Test (Statistics).
- Applicants who do not meet the mathematics requirement may be admitted to the program conditionally, subject to completing the Mathematics Diagnostic Test (Statistics) successfully. Students admitted to the program conditionally, must complete the Mathematics Diagnostic Test (Statistics) successfully before beginning the second year of the program. Students admitted to the program must fulfill the Mathematics requirement before registering for STAT 1124.

#### Program Requirements

- Good knowledge of the English language, including the ability to speak clearly and to read, understand, and interpret information accurately.
- A two-page letter of intent that outlines students' reasons for wanting to enrol in this program and indicates their education and career goals.

#### Program Preferences

- Cumulative grade point average of 2.00 or higher in post-secondary studies completed.
- 'C+' or higher average in secondary studies completed.

#### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcripts(s).
- LET or LPI scores (if applicable).
- Mathematics Diagnostic Test (if applicable).
- Letter of intent.

Please refer to the program application dates in the Application for Admission section in this Calendar.

#### Program Notes

- Computer skills are important for students in the program. BCAP 1200 is recommended as an early elective if students need to upgrade their skills in word-processing, spreadsheets and presentation and graphics. As an alternative students may take CPSC 1000.
- Field trips are organized for some courses in the program. These are normally arranged for Fridays. Although individual commitments may prevent them from attending all field trips, we recommend they attend these when possible. Students will find the experience and knowledge they gain from a field trip will be an advantage for completing specific projects and courses.
- Students are required to identify their area of concentration during the first semester in the Program but may change their concentration as necessary.
- Students wishing to complete the concentration in Computer Applications and Graphics must obtain the approval of the Program Co-ordinator.

## DIPLOMA IN APPLIED URBAN AND RURAL PLANNING

### CURRICULUM

To be eligible for the Diploma in Applied Urban and Rural Planning, students must complete the following:

1. All of the following courses (Total 51 Credits):  
APPL 1110  
APPL 1130  
APPL 1210  
APPL 2310  
APPL 2320  
APPL 2330  
APPL 2340  
APPL 2410  
APPL 2420  
APPL 2430  
APPL 2440  
ECON 1110 or ECON 1220  
HIST 2215 or GEOG 2230  
POLI 2229  
STAT 1124  
Two courses from the following: CMNS 2228, ENGL 1127, ENGL 1129, ENGL 1140
2. Students must choose three courses from the following. Substitutions of courses that relate directly to planning, such as sociology and geography, may be acceptable with the prior approval of the Program Co-ordinator. (Total 9 Credits):  
APPL 2460  
ABST 1115  
ABST 2120  
ABST 2240  
BCAP 1200 or CPSC 1000 (Refer to BCCAT for transferability)  
ECON 1220  
GEOG 1130  
GEOG 1150  
GEOG 1155  
GEOG 1170  
GEOG 1190  
GEOG 2230  
GEOG 2250  
SOC 1127
3. Students must complete successfully the four Applied Planning Seminar courses: APPL 1105, APPL 1205, APPL 2305, and APPL 2405. These are non-credit courses. Each seminar course includes approximately five one-hour seminars each term. No assignments or readings are required, but students must attend all seminars to complete the course.
4. Students with a bachelor's degree from a recognized Canadian post-secondary institution may use 6 credits of university-transferable English in lieu of the English requirements for this program, or they may use other appropriate credits if they have obtained a LET level 4 or higher.

Students who are currently employed in a planning position may be eligible for prior learning assessment for some or all of the Applied Planning Seminars.

Most courses required for the program are offered only once per academic year. Students should plan their program of courses with this knowledge in mind. For

information on the course schedule, please refer to the Department web page.

## DIPLOMA IN APPLIED URBAN AND RURAL PLANNING (COMPUTER APPLICATIONS AND GRAPHICS)

### CURRICULUM

To be eligible for the Diploma in Applied Urban and Rural Planning Diploma (Computer Applications and Graphics), students must complete the following:

1. All of the following courses (Total 54 Credits):  
APPL 1110  
APPL 1130  
APPL 1210  
APPL 2310  
APPL 2320  
APPL 2330  
APPL 2340  
APPL 2410  
APPL 2420  
APPL 2430  
APPL 2440  
BCAP 1200  
BCAP 3100  
DDSN 1151  
DDSN 1255  
DDSN 2253  
Two courses from the following: CMNS 2228, ENGL 1127, ENGL 1129, ENGL 1140
2. A total of 6 credits from the following courses (Total 6 credits):  
ECON 1110  
GEOG 1130  
HIST 2215  
PUBL 1225 (6 credits) (pending approval of open section for non-publishing students)
3. Students must complete successfully the four Applied Planning Seminar courses: APPL 1105, APPL 1205, APPL 2305, and APPL 2405. These are non-credit courses. Each seminar course includes approximately five one-hour seminars each term. No assignments or readings are required, but students must attend all seminars to complete the course.
4. Students with a bachelor's degree from a recognized Canadian post-secondary institution may use 6 credits of university-transferable English in lieu of the English requirements for this program, or they may use other appropriate credits if they have obtained a LET level 4 or higher.

Students who are currently employed in a planning position may be eligible for prior learning assessment for some or all of the Applied Planning Seminars.

Most courses required for the program are offered only once per academic year. Students should plan their program of courses with this knowledge in mind. For information on the course schedule, please refer to the Department web page.

## DIPLOMA IN APPLIED URBAN AND RURAL PLANNING (ENVIRONMENTAL PLANNING)

### CURRICULUM

To be eligible for the Diploma in Applied Urban and Rural Planning Diploma (Environmental Planning), students must complete the following:

1. All of the following courses (Total 42 Credits):  
APPL 1110  
APPL 1130  
APPL 1210  
APPL 2310  
APPL 2320  
APPL 2330  
APPL 2340  
APPL 2410  
APPL 2420  
APPL 2430  
APPL 2440  
ECON 1110 or 1220  
Two courses from the following: CMNS 2228, ENGL 1127, ENGL 1129, ENGL 1140
2. Four courses from the following (Total 14 Credits):  
BIOL 1115 or 1118  
BIOL 1215 or 1218  
ENVS 2410  
ENVS 2470
3. Two courses from the following (Total 7 or 8 Credits):  
CHEM 1117  
CHEM 1217  
GEOG 1190
4. Students must complete successfully the four Applied Planning Seminar courses: APPL 1105, APPL 1205, APPL 2305, and APPL 2405. These are non-credit courses. Each seminar course includes approximately five one-hour seminars each term. No assignments or readings are required, but students must attend all seminars to complete the course.
5. Students with a bachelor's degree from a recognized Canadian post-secondary institution may use 6 credits of university-transferable English in lieu of the English requirements for this program, or they may use other appropriate credits if they have obtained a LET level 4 or higher.

Students who are currently employed in a planning position may be eligible for prior learning assessment for some or all of the Applied Planning Seminars.

Most courses required for the program are offered only once per academic year. Students should plan their program of courses with this knowledge in mind. For information on the course schedule, please refer to the Department web page.

## DIPLOMA IN APPLIED URBAN AND RURAL PLANNING (RURAL PLANNING)

### CURRICULUM

To be eligible for the Diploma in Applied Urban and Rural Planning Diploma (Rural Planning), students must complete the following:

1. All of the following courses (Total 45 Credits):  
APPL 1110  
APPL 1130  
APPL 1210  
APPL 2310  
APPL 2320  
APPL 2330  
APPL 2340  
APPL 2410  
APPL 2420  
APPL 2430  
APPL 2440  
ECON 1110 or 1220  
STAT 1124  
Two courses from the following: CMNS 2228, ENGL 1127, ENGL 1129, ENGL 1140
2. Five courses from the following (Total 15 or 17 Credits):  
BIOL 1118  
BIOL 1218  
GEOG 1170  
GEOG 1190  
GEOG 2210  
GEOG 2155  
GEOG 2290
3. Two courses from the following (Total 7 or 8 Credits):  
CHEM 1117  
CHEM 1217  
GEOG 1190
4. Students must complete successfully the four Applied Planning Seminar courses: APPL 1105, APPL 1205, APPL 2305, and APPL 2405. These are non-credit courses. Each seminar course includes approximately five one-hour seminars each term. No assignments or readings are required, but students must attend all seminars to complete the course.
5. Students with a bachelor's degree from a recognized Canadian post-secondary institution may use 6 credits of university-transferable English in lieu of the English requirements for this program, or they may use other appropriate credits if they have obtained a LET level 4 or higher.

Students who are currently employed in a planning position may be eligible for prior learning assessment for some or all of the Applied Planning Seminars.

Most courses required for the program are offered only once per academic year. Students should plan their program of courses with this knowledge in mind. For information on the course schedule, please refer to the Department web page.

## DIPLOMA IN APPLIED URBAN AND RURAL PLANNING (URBAN PLANNING)

### CURRICULUM

To be eligible for the Diploma in Applied Urban and Rural Planning Diploma (Urban Planning), students must complete the following:

1. All of the following courses (Total 51 Credits):  
APPL 1110  
APPL 1130  
APPL 1210  
APPL 2310  
APPL 2320  
APPL 2330  
APPL 2340  
APPL 2410  
APPL 2420  
APPL 2430  
APPL 2440  
ECON 1110 or ECON 1220  
HIST 2215 or GEOG 2230  
POLI 2229  
STAT 1124  
Two courses from the following: CMNS 2228, ENGL 1127, ENGL 1129, ENGL 1140
2. Three courses from the following (Total 9 Credits):  
ABST 2240  
APPL 2460  
GEOG 1130  
GEOG 2230  
GEOG 2250  
SOCI 1127
3. Students must complete successfully the four Applied Planning Seminar courses: APPL 1105, APPL 1205, APPL 2305, and APPL 2405. These are non-credit courses. Each seminar course includes approximately five one-hour seminars each term. No assignments or readings are required, but students must attend all seminars to complete the course.
4. Students with a bachelor's degree from a recognized Canadian post-secondary institution may use 6 credits of university-transferable English in lieu of the English requirements for this program, or they may use other appropriate credits if they have obtained a LET level 4 or higher.

Students who are currently employed in a planning position may be eligible for prior learning assessment for some or all of the Applied Planning Seminars.

Most courses required for the program are offered only once per academic year. Students should plan their program of courses with this knowledge in mind. For information on the course schedule, please refer to the Department web page.

## Arts (General)

Program Type: Arts and Science

### OPTIONS

- Associate of Arts Degree
- Diploma in Arts and Science

### ASSOCIATE OF ARTS DEGREE (A.A.)

#### GENERAL REQUIREMENTS

The Associate of Arts Degree requires the successful completion of 20 courses (minimum 60 credits) that have assigned or unassigned credit at Simon Fraser University, the University British Columbia, the University of Victoria, or the University of Northern British Columbia.

Within the 20 courses (at least 60 credits), students must complete:

1. 6 credits in first-year English;
2. 36 credits in Arts (including a minimum of 18 credits in Arts at the second-year level taken in two or more subject areas) which must include:
  - 6 credits in the Social Sciences;
  - 6 credits in Humanities (including the Creative and Performing Arts) other than English;
  - 24 additional credits in Arts;
3. 9 credits in Science which shall include at least:
  - 3 credits in Mathematics or Computing Science or Statistics;
  - 3 credits in a laboratory science;
4. 9 credits of first- or second-year courses (Students may include university-transfer credit from career program and Human Kinetics and Recreation courses);
5. the last 50% of the courses used towards the associate degree at Langara College within the last five years; and
6. all courses used towards the degree with a cumulative GPA of 2.0, including a minimum cumulative GPA of 2.0 in all Langara College courses used towards the degree.

No course may be used to meet more than one of the specific requirements.

In addition to the regular Associate of Arts Degree (Arts - General), Langara College offers Associate of Arts Degrees in the following concentrations:

- Aboriginal Studies - Arts and Science Limited Enrolment Program\*
- Asian Studies
- Canadian Studies
- Classical Studies
- Commerce and Business Studies
- Creative Writing
- English
- Environmental Studies
- Family Studies
- Geography
- Latin American Studies
- Mathematics
- Peace and Conflict Studies
- Philosophy
- Psychology
- Women's Studies

\*Courses within these programs are available to non-limited enrolment program students.

#### ASSOCIATE DEGREE DEFINITIONS

##### First-year and Second-year Courses

A first-year course is defined as a course which has assigned or unassigned transfer credit at the 100-level at UBC, SFU, UVic or UNBC.

- A second-year course is defined as a course which has assigned or unassigned transfer credit at the 200 level or higher at UBC, SFU, UVic or UNBC.
- An arts course is defined to be any first- or second-year course in a subject area for which there is a Baccalaureate of Arts degree at UBC, SFU, UVic or UNBC.
- A science course is defined to be any first or second-year course in a subject area for which there is a Baccalaureate of Science degree or Baccalaureate of Applied Science degree at UBC, SFU, UVic or UNBC. A laboratory science is one in which a substantial component of student instruction involves the study of natural phenomena.

##### NOTE:

For a classification of Langara College courses, i.e., humanities, arts, social science, science and lab-science, see the online course descriptions.

## Arts and Science (General)

### DIPLOMA IN ARTS AND SCIENCE

#### GENERAL INFORMATION

The Diploma in Arts and Science requirements allow for considerable flexibility in the choice of courses that a student may complete. Students can design their curriculum to meet their own needs or interests or to meet the requirements for further study. In addition to the general Arts and Science Diploma, Langara College offers Arts and Science Diplomas with the following concentrations:

- Aboriginal Studies
- Applied Computer Science and Technology
- Asian Studies
- Canadian Studies
- Classical Studies
- Commerce
- Environmental Studies
- Family Studies
- Health Sciences (Arts)
- Health Sciences (Science)
- Latin American Studies
- Peace and Conflict Studies
- Women's Studies

Program intakes: January, May, and September

#### GENERAL REQUIREMENTS

20 courses (minimum 60 credits) including:

1. Six credits (two courses) of first-year, university-transferable English.
2. Thirty-nine credits (minimum 13 courses) of university-transferable courses that have science, social science, or humanities attributes (See note 1).
3. Fifteen credits (minimum five courses) of any courses eligible to be used towards a Langara College credential (See note 2).

#### NOTES:

1. A link to course attribute information can be found in the course description.
2. A small number of courses cannot be used towards a Langara credential. These courses include ENGL 1107, ENGL 1108, ENGL 1110, MATH 1100, MATH 1101. COOP courses may only be used to meet co-operative education requirements. Students can refer to the course descriptions for further information.

## Asian Studies

Department: Asian Studies  
Division: Social Sciences  
Program Type: Arts and Science

#### OPTIONS

- Associate of Arts Degree in Asian Studies
- Diploma in Arts and Science (Asian Studies)

#### GENERAL INFORMATION

When successfully completed, these programs will make the student eligible for acceptance to the second or third year of the Department of Asian Studies at UBC, or the second- or third-year level of the Faculty of Arts in most BC universities, provided all other entry requirements are also fulfilled. With the proper economics and mathematics courses taken at Langara College, the student may qualify for further studies in business at a university. Students are responsible for confirming their selection of transfer courses with the appropriate university faculty.

The challenges and opportunities of an international career are many, especially if students are interested in cultural, linguistic, social and political similarities and differences among people.

Through a continuation of study at university, careers in education, research, business management, government and related areas will be more available to students.

Program intakes: January, May, and September

## ASSOCIATE OF ARTS DEGREE IN ASIAN STUDIES

### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. ENGL 1127 or 1128 and ENGL 1129 or 1130
2. ASIA 1100, 1101, and one of 1130 or 1135
3. Two of the following:  
ASIA 2200, 2208, 2209
4. Three of the following:  
ASIA 1125, 1140, 1170, 1215, 1225, 1230, 1235, 1240, 1270
5. Three of the following:  
AHIS 1115, 1215  
CHIN 1103, 1115, 1117, 1135, 1215, 1217, 1225, 2211, 2213, 2215, 2217, 3331, 3333, 3381, 3383  
GEOG 1160  
HIST 2243, 2255  
JAPN 1115, 1117, 1205, 1215, 1217, 2227, 2237  
RELS 1120, 1210, 1215
6. Seven university-transferable electives

## DIPLOMA IN ARTS AND SCIENCE (ASIAN STUDIES)

### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 60 credits) including:

1. ENGL 1127 or 1128 and ENGL 1129 or 1130
2. ASIA 1100, 1101, and one of 1130 or 1135
3. Two of the following:  
ASIA 2200, 2208, 2209
4. Three of the following:  
ASIA 1125, 1140, 1170, 1215, 1225, 1230, 1235, 1240, 1270
5. Three of the following:  
AHIS 1115, 1215  
CHIN 1103, 1115, 1117, 1135, 1215, 1217, 1225, 2211, 2213, 2215, 2217, 3331, 3333, 3381, 3383  
GEOG 1160  
HIST 2243, 2255  
JAPN 1115, 1117, 1205, 1215, 1217, 2227, 2237  
RELS 1120, 1210, 1215
6. Seven university-transferable electives

## Biology

Department: Biology  
Division: Mathematics and Science  
Program Type: Arts and Science

### OPTIONS

- Associate of Science Degree in General Biology
- Associate of Science Degree in Microbiology/Molecular Biology
- Diploma in Arts and Science (Biology)
- Associate of Science Degree in Ecology
- Citation in Ecology

## ASSOCIATE OF SCIENCE DEGREE IN GENERAL BIOLOGY

### CURRICULUM

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. BIOL 1115 and 1215  
BIOL 2315 and 2415  
CHEM 1120, 1220 and 2250\*  
CHEM 2316 and 2416  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
MATH 1171 or 1173/1183 or 1153/1253 or 1174;  
and  
MATH 1271 or 1273/1283 or 1274  
PHYS 1118 and 1101 (or 1125); or PHYS 1101  
(or 1125) and 1225
  2. Three of the following:  
BIOL 2340  
BIOL 2350  
BIOL 2440  
BIOL 2450
  3. Any second-year Biology course
- \*CHEM 2250 is optional, but it may be required to transfer a full second year to some institutions.

## ASSOCIATE OF SCIENCE DEGREE IN MICROBIOLOGY/MOLECULAR BIOLOGY

### CURRICULUM

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. BIOL 1115 and 1215  
BIOL 2315 and 2415  
BIOL 2370 and 2470  
BIOL 2330 and 2430  
CHEM 1120, 1220 and 2250\*  
CHEM 2316 and 2416  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
MATH 1171 or 1173/1183 or 1153/1253 or 1174;  
and  
MATH 1271 or 1273/1283 or 1274  
PHYS 1118 and 1101 (or 1125); or PHYS 1101  
(or 1125) and 1225
- \*CHEM 2250 is optional, but it may be required to transfer a full second year to some institutions.

## DIPLOMA IN ARTS AND SCIENCE (BIOLOGY)

The Diploma in Arts and Science (Biology) is designed for students who wish to focus their two years Science study at Langara College in Biology. It is intended to give students a solid foundation for further study in Biology and to provide strong laboratory and field skills.

### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 66 credits) including:

1. All of the following:  
BIOL 1115 and 1215  
CHEM 1120 and 1220  
Any 2 first-year university-transferable ENGL courses (minimum 6 credits)  
Any 2 first-year university-transferable MATH courses (minimum 6 credits)  
Any 2 first-year university-transferable PHYS courses (minimum 8 credits)
2. At least four (4) of the following courses:  
BIOL 2315  
BIOL 2415  
BIOL 2330  
BIOL 2430  
BIOL 2340  
BIOL 2440  
BIOL 2350  
BIOL 2450  
BIOL 2370  
BIOL 2470  
BIOL 2380  
BIOL 2480
3. Science Electives:  
An additional two (2) to four (4) university-transferable science courses (may be additional BIOL courses)
4. Arts Electives:  
An additional two (2) to four (4) university-transferable arts courses

## ASSOCIATE OF SCIENCE DEGREE IN ECOLOGY

### CURRICULUM

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following:  
BIOL 1115 and 1215  
BIOL 2315 and 2415  
BIOL 2380 and 2480  
CHEM 1120 and 1220 and 2250 \*  
CHEM 2316 and 2416  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
MATH 1171 or 1173/1183 or 1153/1253 or 1174  
MATH 1271 or 1273/1283 or 1274  
PHYS 1118 and 1101 (or 1215); or PHYS 1101 (or 1125) and 1225
2. Two of the following:  
BIOL 2340  
BIOL 2350  
BIOL 2440  
BIOL 2450

\* CHEM 2250 is optional, but it may be required to transfer a full second year to some institutions.

### CITATION IN ECOLOGY

The Citation in Ecology recognizes students who have completed a number of ecology-related Biology courses while working toward an Associate of Science Degree, a Diploma in Arts and Science, or another university-transfer program.

### CURRICULUM

Students must complete five courses (17 credits) including:

- BIOL 1115
- BIOL 1215
- BIOL 2380
- BIOL 2480
- One of the following: BIOL 2340, 2350, 2440, 2450

## Business Administration

Department: Langara School of Management  
Division: Business and Community Programs  
Program Type: Degree

### CONCENTRATIONS

- Accounting
- Business Management
- International Business Management
- Marketing Management

### GENERAL INFORMATION

The Bachelor of Business Administration (BBA) is a degree program for students interested in careers in the fields of Accounting, Business, International Business or Marketing. It is student-centred, and its primary aim is to give graduates real business skills - the skills that employers are looking for. The program can be completed in four years if taken on a full-time basis (five courses per semester); however, students have the flexibility of attending part-time if they so desire. The BBA is designed to give students maximum flexibility in delivery methods and schedules. Courses, particularly in the third and fourth year, are offered in the evening, on weekends, and online (in whole or in part).

The BBA has concentrations in Accounting, Business Management, International Business Management, and Marketing Management. Each of these concentrations provides graduates with expertise in their subject area as well as a thorough understanding of all aspects of business. As well, students have the opportunity to take a variety of non-business courses so that they graduate with a well-rounded education. The BBA Accounting concentration includes the requirements necessary to maximize exemptions for the professional accounting associations (CGA, CMA, CA).

In the first two years (20 courses) of the degree, students are advised to complete diploma requirements in one of the following programs: Accounting, Business Management, Financial Management, or Marketing Management. Students who plan their courses accordingly may opt to exit after completing diploma requirements. Students who complete diploma and degree requirements will graduate with both credentials.

In keeping with the emphasis of providing students with real business skills, all concentrations of the BBA require that students complete an applied business project in their final semester and that they either participate in the Co-operative Education Option or complete a 300-hour practicum (approved business experience may be used in lieu).

Program intakes: January, May, and September

### COOPERATIVE EDUCATION OPTION

Students who wish to participate in this option must maintain above-average academic standing and demonstrate potential for success in their chosen professional field.

A minimum of three work terms (360 hours each) need to be completed for a Co-op designated degree (two at the diploma level and at least one at the third- or fourth-year level). Employers provide the Co-op instructors with job descriptions to be posted. Students submit their resumes via a Co-op instructor, who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant in self-marketing to source their Co-op work placements.

Employers make hiring decisions and establish working conditions, salary, and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

### **Student Progression and Maintenance of Standing Requirements**

Please note that students are responsible for their maintenance of standing while enrolled in the Bachelor of Business Administration Program. In order to progress to the third year of the BBA, students must:

- Achieve a minimum 'C' grade in all bridging courses for their concentration; and
- Have a minimum CGPA of 2.33.

Program students must maintain this CGPA (minimum 2.33) to continue in the third and the fourth years of the BBA. Students unable to attain this minimum will not be permitted to advance. Furthermore, students must achieve a minimum CGPA of 2.33 and a minimum 'C' grade in all core business-related third- and fourth-year courses (BCAP, BUSM, FMGT, INTB, or MARK courses numbered 3xxx or 4xxx) in order to graduate.

There are two access routes for admission to the Bachelor of Business Administration Degree Program:

- First-year Entry
- Third-year Entry

### **1. BACHELOR OF BUSINESS ADMINISTRATION - FIRST-YEAR ENTRY**

Students may apply for admission to the first year of the degree program with the intention of completing a Bachelor of Business Administration with a concentration in Accounting, Business Management, International Business Management, or Marketing Management AND/OR completing a diploma in Accounting, Business Management, Financial Management, or Marketing Management. Applicants are asked to declare a BBA concentration or diploma option on their application for admission. The Business Management concentration provides the greatest flexibility for students who wish to leave their options open in the first year.

For admission into first year, applicants must meet the following admission requirements.

### **ADMISSION REQUIREMENTS**

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### **Academic Requirements**

- Completion of BC Grade 12 or equivalent, or be 19 years of age.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
- Within the last three years, one of the following: A minimum C grade in Principles of Math 11; a minimum 'C-' grade in one of Principles of Math 12 or a first-year, university-transferable Math course; or a Math Diagnostic Test (MDT) score that will allow registration into Math 1118.

#### **Documents Required for Application Evaluation**

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcripts (if applicable)
- LET or LPI scores (if applicable)

### **2. BACHELOR OF BUSINESS ADMINISTRATION - THIRD-YEAR ENTRY**

Students who have successfully completed a minimum of 60 credits (20 courses) may apply to complete the final two years of the Bachelor of Business Administration Degree in one of the following concentrations: Accounting, Business Management, International Business Management, and Marketing Management.

#### **ADMISSION REQUIREMENTS:**

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### **Academic Requirements:**

Applicants seeking admission directly into the third year of the BBA must meet all first-year entrance requirements as outlined above. As well, they must have completed a minimum of 60 credits (20 courses) of post-secondary studies with a minimum CGPA of 2.33 in one of the following categories:

1. Graduation from one of the following Langara College diploma programs (See note 1 below):
  - Accounting
  - Business Management
  - Financial Management
  - International Business Management (program discontinued in January 2009)
  - Marketing Management; OR
2. Graduation from another institution's diploma program that is similar to one of the above programs or from a non-business diploma at Langara College. These diplomas must consist of a minimum of 60 credits (See note 2 below); OR
3. The completion of at least 20 transferable courses and a minimum 60 credits (See note 2 below). These courses must be at the undergraduate level or eligible to be used towards a Langara College diploma or associate degree and have been taken at either Langara College or at other institutions (or combination thereof).



**NOTE 1:**

- Students who have completed one of the above-mentioned Langara College diploma programs, other than the Diploma in Accounting, and wish to enter the third year of the BBA Accounting Concentration must complete all the bridging courses (see below) if the courses were not completed in their diploma studies. A minimum 'C' grade is required in all bridging courses.

**NOTE 2:**

- Applications from students requesting admission under categories 2 and 3 above will be reviewed by a departmental advisor to determine if some or all of the bridging courses (see below) are required for their desired program concentration. The bridging courses must be completed prior to admission into the third year of the BBA. A minimum 'C' grade is required in all bridging courses.

**Program Preference**

- Preference will be given to applicants who:
- Have completed an Accounting, Business Management, Financial Management, International Business Management, or Marketing Management program at Langara College;
- Apply a minimum of four months prior to the intake date.

**BRIDGING COURSES (FOR THIRD-YEAR ENTRY)****Accounting Concentration**

BCAP 1200  
 CMNS 1118  
 ECON 1220 or 1221  
 ENGL 1127 or 1128  
 FMGT 1115  
 FMGT 1215  
 FMGT 1321  
 FMGT 2294  
 FMGT 2308  
 FMGT 2325  
 FMGT 2371  
 FMGT 2421  
 FMGT 2474  
 MATH 1118, 1171, or 1174  
 STAT 1123, 1124, or 1181

**Business Management, International Business Management, and Marketing Management Concentrations**

BCAP 1200  
 BUSM 1100  
 CMNS 1118  
 ECON 1220 or 1221  
 ENGL 1127 or 1128  
 FMGT 1115, 1116, or 2293  
 MARK 1115  
 MATH 1118, 1119, 1171, or 1174

STAT 1123, 1124, or 1181

NOTE: Students are advised to review individual course descriptions for prerequisites. Not all courses will be offered in every semester; students should take care when planning their course schedule.

**CURRICULUM****REGULAR AND CO-OPERATIVE OPTION**

To obtain a Bachelor of Business Administration Degree, students are required to complete a minimum of 123 credits. Courses may be taken on a full-time or part-time basis. Students who take 15 credits each semester (five courses) can complete the entire BBA degree in four years. Recommended course sequencing is available from the Langara School of Management.

Please note that once admitted to the Langara School of Management, students are expected to complete all their coursework at Langara College. Students who wish to complete courses elsewhere and use them towards their Langara College BBA are required to apply to the Graduation Adjudication Committee (through the Registrar's Office) to request permission to transfer in the course. Application must be made prior to and well in advance of registering into these courses.

**YEARS ONE AND TWO**

To satisfy first- and second-year requirements for the BBA degree, students must complete a minimum of 60 credits in one of the following options:

**OPTION 1**

Successful completion of one of the following Langara College programs (regular or Co-op option):

- Accounting
- Business Management
- Financial Management
- International Business Management (program discontinued in January 2009)
- Marketing Management;

Students who complete the requirements for a diploma and the BBA degree will receive both credentials. Please refer to each diploma listing for specific curriculum requirements. Completion of one of the above diplomas as part of the BBA requirements is highly recommended as it provides graduates the most comprehensive business education.

**OPTION 2**

Successful completion of a minimum 60 credits (not including Co-op courses). These courses must be eligible to be used towards a Langara College diploma or associate degree. COOP courses or BUSM 2300 may not be used as part of this requirement; however, they are required for students completing the Co-operative Education Option. To advance to year three, students must successfully complete a minimum of 60 credits including all of the following core courses with a minimum 'C' grade for their concentration:

**Year One and Two Curriculum - Accounting Concentration Requirements**

BCAP 1200  
 CMNS 1118  
 ECON 1220 or 1221  
 ENGL 1127 or 1128  
 FMGT 1115  
 FMGT 1215  
 FMGT 1321  
 FMGT 2294  
 FMGT 2308  
 FMGT 2325  
 FMGT 2371  
 FMGT 2421  
 FMGT 2474  
 MATH 1118, 1171, or 1174  
 STAT 1123, 1124, or 1181

**Year One and Two Curriculum - Business Management, International Business Management, and Marketing Management Concentration Requirements**

BCAP 1200  
 BUSM 1100  
 CMNS 1118  
 ECON 1220 or 1221  
 ENGL 1127 or 1128  
 FMGT 1115, 1116, or 2293  
 MARK 1115  
 MATH 1118, 1119, 1171, or 1174  
 STAT 1123, 1124, or 1181

**NOTES:**

Students are strongly advised to meet first- and second-year requirements by completing one of the diplomas listed in Option 1 as these diplomas provide the best foundation for further study in the third and fourth year of the BBA.

Students wishing to complete the International Business Management concentration are advised to follow the business management concentration curriculum in the first two years. INTB 2000 is a prerequisite for all upper-level INTB courses.

Students who opt to meet first- and second-year requirements by completing Option 2 are encouraged to include a variety of other business-related (BUSM, FMGT, INTB, and MARK) courses in their studies. The above-listed core courses are the minimum required; additional business-related coursework gives students a better foundation for further study.

Students who wish to switch to a different concentration at any point in their studies must ensure that they meet all the core course requirements prior to advancing to the third year.

### YEARS THREE AND FOUR

In the third and fourth year of the BBA, students must complete a minimum additional 63 credits (for a total of 123 credits). Students in the Co-op Option will require additional credits to graduate with the Co-operative Education Designation; please see below for details. Although some courses in the program are required as prerequisites for other courses, there is considerable flexibility in the order that most courses may be taken. A departmental advisor is available to discuss a course sequence appropriate to the student's personal goals. Students are advised to review individual course descriptions for prerequisites. Not all courses will be offered in every semester; students should take care when planning their course schedule. Please note that there are minimum CGPA requirements for progression into the third year of the BBA. Please see Student Progression and Maintenance of Standing Requirements, for details.

### YEAR THREE AND FOUR CURRICULUM

#### - ALL CONCENTRATIONS

#### Basic Requirements (63 - 69 Credits)

- All of the following (21 Credits):  
BCAP 3100 or 3200  
BUSM 4200  
BUSM 4300  
INTB 3100  
CMNS 2228  
ECON 1220 or 1221 (whichever not taken in first or second year)  
PHIL 3200
- 39 credits from one area of concentration (see concentrations requirements below for specific curriculum):  
Accounting  
Business Management  
International Business Management  
Marketing Management

Note: Please see concentration below for specific curriculum.

#### 3. Work Experience Requirement:

In order to graduate, all students must complete the work experience component in one of the following ways:

- BUSM 3000 (3 credits); or
- Approved Business Experience (Prior Learning Assessment and credit given for BUSM 3000; or
- COOP 2301 (3 credits); or
- Completion of the Co-operative Education Option (9 credits). Please refer to Co-operative Education Option below.

Note: the Co-operative Education Department administers the work experience requirement for the BBA. Students must make contact with the Co-op Department early in their studies to discuss their options for meeting this graduation requirement.

### ACCOUNTING CONCENTRATION REQUIREMENTS

Within the Basic Requirements, students must complete the following:

- Four of the following (12 Credits):  
BUSM 3200  
BUSM 3400  
BUSM 4100  
BUSM 4120  
FMGT 3121  
FMGT 3223  
FMGT 3263  
FMGT 4221  
FMGT 4225  
INTB 4220  
Note: Choose a minimum of two FMGT courses from the above. A maximum of two courses may be chosen from the above BUSM courses. Students are advised to take into account which accounting designation (e.g., CGA, CMA, CA) they are planning to pursue when choosing the above courses.
- Both of the following (6 Credits):  
MARK 2100  
STAT 3223
- Seven General Education Electives (21 credits):  
A general education elective is defined to be any university-transferable course in a subject area other than BCAP, BUSM, COOP, FMGT, INTB, or MARK that has assigned or unassigned transfer credit at UBC, SFU, UVic, or UNBC.

### BUSINESS MANAGEMENT

#### CONCENTRATION REQUIREMENTS

Within the Basic Requirements, students must complete the following:

- All of the following (15 Credits):  
BUSM 3200  
BUSM 3220  
BUSM 4100  
BUSM 4120  
STAT 1224 or 3223
- Three Business Electives numbered 3xxx or 4xxx from the following subject areas (9 Credits):  
BCAP  
BUSM  
FMGT  
INTB  
MARK  
RECR
- Five General Education Electives (15 Credits):  
A general education elective is defined to be any university-transferable course in a subject area other than BCAP, BUSM, COOP, FMGT, INTB, MARK, or RECR that has assigned or unassigned transfer credit at UBC, SFU, UVic, or UNBC.

### INTERNATIONAL BUSINESS MANAGEMENT CONCENTRATION REQUIREMENTS

Within the Basic Requirements, students must complete the following:

- All of the following (15 Credits):  
BUSM 3200  
BUSM 4100  
BUSM 4120  
INTB 2000  
STAT 1224 or 3223
- The student must also complete a total of 24 credits chosen from 2a and 2b:  
2a) A minimum three to maximum five of the following: (9 to 15 credits):  
INTB 3200  
INTB 3400  
INTB 3500  
INTB 4100  
INTB 4200  
INTB 4220  
2b) A minimum three to maximum five General Education Electives (9 to 15 credits):  
The general education electives for this concentration must be chosen from the following disciplines: Asian Studies, Environmental Studies, Field Studies - International, History, Latin America Studies, Political Science, Sociology, or any of the following Modern Languages: Chinese, French, Japanese, Greek, or Spanish. These electives must receive assigned or unassigned transfer credit at UBC, SFU, UVic, or UNBC.

## MARKETING MANAGEMENT

### CONCENTRATION REQUIREMENTS

Within the Basic Requirements, students must complete the following:

1. All of the following (12 Credits):  
BUSM 3200  
BUSM 4100  
BUSM 4120  
STAT 1224 or 3223
2. Four of the following (12 Credits):  
INTB 3200  
MARK 3100  
MARK 3200  
MARK 3210  
MARK 3250  
MARK 3400  
MARK 4100  
MARK 4220  
MARK 4250
3. Five General Education Electives (15 Credits):  
A general education elective is defined to be any university-transferable course in a subject area other than BCAP, BUSM, COOP, FMGT, INTB, or MARK that has assigned or unassigned transfer credit at UBC, SFU, UVic, or UNBC.

### CO-OPERATIVE EDUCATION OPTION:

In addition to the Basic and Concentration Requirements, students in the Co-operative Education Option must complete a minimum of three co-op work terms (9 credits), with at least one work term (3 credits) at the third- and fourth-year level.

To be admitted and participate in the Co-operative Education Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op instructor; and
- Complete BUSM 2300 with a 'C' or higher.

Also see Co-operative Education Programs

### CURRICULUM

#### Course No.

#### Work Term 1 (3 credits)

COOP 2301

#### Work Term 2 (3 credits)

COOP 2501

#### Work Term 3 (3 credits)

COOP 3301

#### Work Term 4 (3 credits)

COOP 4301

## Business Management

Department: Langara School of Management

Division: Business and Community Programs

Program Type: Career

### OPTIONS

- Diploma in Business Management
- Diploma in Business Management Co-operative Education
- Bachelor of Business Administration Degree, Business Management Concentration

### GENERAL INFORMATION

This practical, interdisciplinary, career-oriented two-year diploma program prepares students for a variety of management positions. The Diploma in Business Management program provides students with a solid grounding in a variety of business subjects including Accounting, Marketing, Research Methods in Business, Management Principles, Organizational Behaviour, Entrepreneurship, Entrepreneurial Financial Management, Business Planning, Business Presentation Skills, Law and courses such as Economics, English, Communications, and Mathematics of Business.

Graduates of this program who meet the minimum academic entrance requirements will be able to ladder into the third year of the Bachelor of Business Administration Program.

The Diploma in Business Management is designed so that students can choose to change their focus of studies within or after the first year and transfer into the Marketing Management program.

Applicants are encouraged to apply for the Co-operative Education option during their first term in the program.

Program intakes: September, January, and May.

### ADMISSION REQUIREMENTS

Students interested in this program must apply to the Bachelor of Business Administration (BBA) Program in the Langara School of Management. A Diploma in Business Management is awarded upon completion of appropriate courses within the first two years (60 credits) of the BBA program. Please see the Business Administration (BBA) program information for admission requirements.

## DIPLOMA IN BUSINESS MANAGEMENT

### CURRICULUM

To obtain a Diploma in Business Management, students will be required to attain 60 or 63 credits as described below:

All of the following: (Total: 60 or 63 credits)

Course No.	Credits
BCAP 1200	3
BUSM 1100	3
BUSM 1115	3
BUSM 1285	3
BUSM 1500	3
BUSM 2115	3
BUSM 2200	3
BUSM 2300 *	3
BUSM 2450	3
CMNS 1118	3
ECON 1220 or ECON 1221	3
ENGL 1127 or ENGL 1128	3
FMGT 1116	3
MARK 1115	3
MARK 2100	3
MATH 1118 or MATH 1119	3
STAT 1123	3

Two Business Electives chosen from:

Any BCAP course (except BCAP 0012 and BCAP 1112)

Any BUSM course (except BUSM 2300)

Any INTB course

Any FMGT course

Any MARK course 6

Two General Education Electives

A general education elective is defined to be any course in a subject area other than BCAP, BUSM, COOP, FMGT, INTB or MARK that has assigned or unassigned transfer credit at UBC, SFU, UVic or UNBC. 6

With prior written approval of the Business Management Department, another relevant course other than those listed above may be used as an elective.

\* BUSM 2300 is a compulsory course for students wanting to do the Co-op Option and highly recommended for all other program students.

### NOTE:

- Substitution of courses or exemptions can be made only with Departmental permission.
- Diploma in Business Management Co-operative Education
- Students who wish to participate in this option must maintain above-average academic standing and demonstrate potential for success in their chosen professional field.

Usually, four-month (minimum of 360 hours) work terms are scheduled for the third and fifth terms of the program. Two work terms need to be completed for a Co-op designated diploma. Employers provide the Co-op instructors with job descriptions to be posted. Students submit their resumes via the Co-operative instructor, who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant in self-marketing to source their co-op work placements.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

#### ADMISSION REQUIREMENTS

##### Academic Requirements

To be admitted and participate in the Co-operative Education Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op instructor; and
- Complete BUSM 2300 with a 'C' or higher.

Also see Co-operative Education Programs

#### CURRICULUM

To obtain a Diploma in Business Management Co-operative Education, students will be required to attain 69 credits as described below:

All of the following: (Total: 63 credits)

Course No.	Credits
BCAP 1200	3
BUSM 1100	3
BUSM 1115	3
BUSM 1285	3
BUSM 1500	3
BUSM 2115	3
BUSM 2200	3
BUSM 2300	3
BUSM 2450	3
CMNS 1118	3
ECON 1220 or ECON 1221	3
ENGL 1127 or ENGL 1128	3
FMGT 1116	3
MARK 1115	3
MARK 2100	3
MATH 1118 or MATH 1119	3
STAT 1123	3

Two Business Electives chosen from:

Any BCAP course (except BCAP 0012 and BCAP 1112)

Any BUSM course (except BUSM 2300)

Any INTB course

Any FMGT course

Any MARK course 6

Two General Education Electives:

A general education elective is defined to be any course in a subject area other than BCAP, BUSM, COOP, FMGT, INTB or MARK that has assigned or unassigned transfer credit at UBC, SFU, UVic or UNBC. 6

With prior written approval of the Business Management Department, another relevant course other than those listed above may be used as an elective.

In order to obtain a Business Management Co-operative Education Diploma, students must complete two work terms as follows:

#### WORK TERM 1 (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2301	3

#### WORK TERM 2 (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2501	3

#### NOTE:

Students are advised to review individual course descriptions for prerequisites. Not all courses will be offered in every semester; students should take care and consult with the Department when planning their course schedule.

## Canadian Studies

Department: Interdisciplinary Studies

Division: Humanities

Program Type: Arts and Science

### CANADIAN STUDIES

#### OPTIONS

- Associate of Arts Degree in Canadian Studies
- Diploma in Arts and Science (Canadian Studies)

### ASSOCIATE OF ARTS DEGREE IN CANADIAN STUDIES

#### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. Any 2 core courses of the following:  
CNST 1110  
CNST 1120  
CNST 1130  
CNST 1140  
CNST 1150
2. All of the following:  
HIST 1116 and 1126  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
ENGL 2225
3. Any 5 courses of the following:  
(maximum of 2 courses in any one subject area)  
ANTH 1150, 1180, 2240  
ECON 1221  
FREN (any French course)  
GEOG 1120, 1130, 1150, 1155  
HIST 1161, 2207, 2217, 2269  
HKIN 2261  
PHIL 2226  
POLI 1119, 2209, 2219  
SOC 1121  
WMST 1116, 1216  
or any additional Canadian Studies Courses.
4. Attendance at a three-part series of lectures on Canadian topics CNST 1105 (0 credit - no tuition fee) or satisfactory completion of one Special Project specifically related to Canadian Studies, to be determined and supervised by the Interdisciplinary Studies Department.

## DIPLOMA IN ARTS AND SCIENCE (CANADIAN STUDIES)

#### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 60 credits) including:

1. Any 2 core courses of the following:  
CNST 1110  
CNST 1120  
CNST 1130  
CNST 1140  
CNST 1150
2. All of the following:  
HIST 1116 and 1126  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
ENGL 2225
3. Any 5 courses of the following:  
(maximum of 2 courses in any one subject area)  
ANTH 1150, 1180, 2240  
ECON 1221  
FREN (any French course)  
GEOG 1120, 1130, 1150, 1155  
HIST 1161, 2207, 2217, 2269  
HKIN 2261  
PHIL 2226  
POLI 1119, 2209, 2219  
SOC 1121  
WMST 1116, 1216  
or any additional Canadian Studies Courses.
4. Attendance at a three-part series of lectures on Canadian topics CNST 1105 (0 credit - no tuition fee) or satisfactory completion of one Special Project specifically related to Canadian Studies, to be determined and supervised by the Interdisciplinary Studies Department.

## Chemistry

Department: Chemistry

Division: Mathematics and Sciences

Program Type: Arts and Science

### ASSOCIATE OF SCIENCE DEGREE IN CHEMISTRY

#### CURRICULUM

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following:  
CHEM 1120, 1220, 2222, 2224, 2316, 2416  
ENGL 1127 or 1128, ENGL 1129 or 1130  
One of the following Mathematics streams:  
MATH 1153, 1253, 1271; or MATH 1171, 1271;  
or MATH 1173, 1183, 1273, 1283  
MATH 2371, 2362
2. One of the following Physics streams:  
For students who have not completed BC Physics 12: PHYS 1118 and one of PHYS 1101 or 1125.  
For students who have completed BC Physics 12: One of PHYS 1101 or 1125, and PHYS 1225

# Chinook Business Program

Department: Financial Management  
 Division: Business and Community Programs  
 Program Type: Career

## DIPLOMA IN CHINOOK BUSINESS

### GENERAL INFORMATION

The Chinook Business program is a two-year business diploma program with some pre-Chinook Foundation Skill Building courses. The program will provide students with business fundamentals that will allow students of Aboriginal ancestry to gain the skills required for a career in business. After the pre-Chinook foundation courses are complete, students will study mathematics, economics, communications, accounting, additional business topics, and Aboriginal studies. In addition, an integrative Chinook program course is taken during these years as a visiting student at the University of British Columbia. Students also participate in a paid summer internship between years one and two. Upon completion of the program, students are able to enter the workforce. Qualified students may choose to continue their education and complete a Bachelor of Commerce (Chinook Major) degree program at the University of British Columbia.

Program intake: September

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

1. Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
2. One of the following:  
 LET with a minimum level 3; LPI with a minimum 25 (or 24 on the essay with 5 in English usage); BC English 12 or equivalent with an 80% or higher; BC English Literature 12 with an 'A'; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108 or 1110.
3. 'C' or higher in Mathematics 11 or a Mathematics Diagnostic Test score of 60.

#### Program Requirements

- Must be of Aboriginal ancestry.

#### Documents Required for Application Evaluation

- (Applications will not be considered until all documents have been received.)
- Completed application for admission form.
- Official transcripts(s).
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

## DIPLOMA IN CHINOOK BUSINESS

Pre-Chinook Skill-Building Courses -

Students must successfully complete the following courses:

- MATH - Students must have the prerequisite requirements to allow registration into MATH 1174, Calculus 1 - Economic and Business Applications, in Year 1 of the program. Students who do not have Principles of Mathematics 12 with a minimum B grade or MATH 1170 with a minimum C- grade will have to take the appropriate MATH courses that will help them to meet these prerequisites. These courses may include MATH 1150, 1152, and 1170. Check the prerequisite requirements for the Langara MATH courses. Note: Students must complete MATH 1170 or Principles of Mathematics 12 within three years of attempting to register into MATH 1174.
- BUSM 1100
- BCAP 1200

### CURRICULUM

Students must complete the following courses: (Total: 60 credits)

Course No.	Credits
CSIS 2500	3
BUSM 2200	3
CMNS 1118	3
ECON 1220	3
ECON 1221	3
ENGL 1127	3
FMGT 2293	3
FMGT 2294	3
FMGT 2371	3
MARK 1115	3
MATH 1118	3
MATH 1174	3
STAT 1123	3
Two business electives from	6

the following:

- BUSM 1200
- BUSM 1285
- ECON 2296
- ECON 2298
- FMGT 2474
- STAT 3223

#### NOTE:

Other business courses may be taken with prior approval of the Program Co-ordinator.

Any 2 Aboriginal Studies

courses 6

Two Chinook courses (Distance

Education courses. Taken as a visiting student at UBC) 6

Chinook Summer Intern

Placement (UBC) 3

Sample curriculum for the Diploma in Chinook Business:

**YEAR ONE**

Course No.	Credits
BUSM 2200	3
ECON 1220	3
ENGL 1127	3
MATH 1118	3
FMGT 2293	3
MARK 1115	3
CMNS 1118	3
MATH 1174	3
Any one Aboriginal Studies Elective	3
Chinook 1 (Distance Education Course. Taken as a visiting student at UBC)	3
Summer - Chinook Intern Placement (UBC)	3

**YEAR TWO**

CSIS 2500	3
STAT 1123	3
FMGT 2294	3
ECON 1221	3
FMGT 2371	3
Any Aboriginal Studies course	3
Chinook 2 (Distance Education courses. Taken as a visiting student at UBC)	3

Any two business electives from the following:

BUSM1200	
BUSM1285	
ECON 2296	
ECON 2298	
FMGT 2474	
STAT 3223	6

**NOTE:**

Other business courses may be taken with prior approval of the Program Co-ordinator.

## Classical Studies

Department: Interdisciplinary Studies  
 Division: Humanities  
 Program Type: Arts and Science

**OPTIONS**

Associate of Arts Degree in Classical Studies  
 Diploma in Arts and Science (Classical Studies)

### ASSOCIATE OF ARTS DEGREE IN CLASSICAL STUDIES

The Associate of Arts Degree program with a concentration in Classical Studies gives students an opportunity to study many aspects of the civilizations of Greece and Rome.

**CURRICULUM**

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

- All of the following:  
 CLST 1110 and 1120  
 ENGL 1127 or 1128  
 ENGL 1129 or 1130
- 1 of the following:  
 HIST 2210 and 2211  
 GREK 1115 and 1215  
 LATN 1115 and 1117
- At least 4 of the following:  
 AHIS 1114, 1214  
 ANTH 1170, 1185, 2250  
 CLST 1102, 2230, 2276  
 ENGL 1181, 2237 (designated section)  
 HIST 1113, 1114, 1123, 1190, 2236, 2237  
 LATN 1101, 2225, 2227  
 PHIL 1100, 1101 (with prior approval of Program Co-ordinator)  
 RELS 1230  
 and other such relevant courses that may be offered from time to time.
- Registration and attendance for one semester in CLST 1105 (0 credit), a weekly colloquium on classical topics.

For more detailed information contact the Co-ordinator of Classical Studies.

## DIPLOMA IN ARTS AND SCIENCE (CLASSICAL STUDIES)

The Diploma in Arts and Science (Classical Studies) program gives students an opportunity to study many aspects of the civilizations of Greece and Rome.

**CURRICULUM**

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 60 credits) including:

- All of the following:  
 CLST 1110 and 1120  
 ENGL 1127 or 1128  
 ENGL 1129 or 1130
- 1 of the following:  
 HIST 2210 and 2211  
 GREK 1115 and 1215  
 LATN 1115 and 1117
- At least 4 of the following:  
 AHIS 1114, 1214  
 ANTH 1170, 1185, 2250  
 CLST 1102, 2230, 2276  
 ENGL 1181, 2237 (designated section)  
 HIST 1113, 1114, 1123, 1190, 2236, 2237  
 LATN 1101, 2225, 2227  
 PHIL 1100, 1101 (with prior approval of Program Co-ordinator)  
 RELS 1230  
 and other such relevant courses as may be offered from time to time.
- Registration and attendance for one semester in CLST 1105 (0 credit), a weekly colloquium on classical topics.

For more detailed information contact the Co-ordinator of Classical Studies.

# Commerce & Business Studies

Department: Financial Management  
 Division: Business and Community Programs  
 Program Type: Arts and Science; and Arts and Science Limited Enrolment

## OPTIONS

- Associate of Arts Degree in Commerce and Business Studies
- Diploma in Arts and Science (Commerce) (LE)

## ASSOCIATE OF ARTS DEGREE IN COMMERCE AND BUSINESS STUDIES

### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

- All of the following:  
 ECON 1220, 1221  
 ENGL 1127 or 1128  
 ENGL 1129 or 1130 or 1140  
 FMGT 2293, 2294  
 MATH 1174\*  
 STAT 1181  
 \*(MATH 1173/1183 or 1171 are allowable substitutes for MATH 1174.)

### NOTES:

- Students planning to go to UBC are recommended to take:  
 ECON 2296, 2298  
 BUSM 2200  
 MARK 1115  
 STAT 2225  
 MATH 2310
- UBC transfer students are also suggested to take BCAP 3200 or CSIS 2500.
- Students planning to go to SFU should take BCAP 3200 or CSIS 2500 and BUSM 2200 and STAT 1182.

# Commerce

Department: Financial Management  
 Division: Business and Community Programs  
 Program Type: Arts and Science

## OPTIONS

- Associate of Arts Degree in Commerce and Business Studies
- Diploma in Arts and Science (Commerce)

## DIPLOMA IN ARTS AND SCIENCE (COMMERCE)

The Diploma in Arts and Science (Commerce) Program provides courses needed for equivalency to pre-Commerce and first-year Commerce. The diploma program in place at Langara College is geared more specifically to UBC, but if space is available and with some amendments, this program also facilitates transfer to SFU and UVic. (Please consult with a counsellor regarding requirements.) The diploma program also provides a basis for entry into general business fields and a business-oriented direction for mathematically inclined students. The program leads to a Diploma in Arts and Science (Commerce). It is also possible for students to complete an Associate of Arts Degree in Commerce and Business Studies.

Transfer to UBC, SFU or UVic Faculties of Commerce will depend on those institutions and each application will be considered on its merits. Students with a previous university degree should contact these universities first before applying for the Commerce transfer program.

The need to maintain a minimum cumulative grade point average (CGPA) of 3.0 cannot be overemphasized due to the highly competitive nature of admission into business faculties at all three universities.

Graduates of the Langara Diploma in Arts and Science (Commerce) Program will be eligible for admission into the third year of Royal Roads University's Bachelor of Commerce in Entrepreneurial Management Program, provided all other entrance criteria are met and space is available in the Bachelor of Commerce Program.

Graduates may also be eligible to continue at Langara College in the Bachelor of Business Administration Program upon completion of some bridging courses.

Program intake: September

## ADMISSION REQUIREMENTS

Students apply to the general Arts and Science Program and register in the courses outlined below.

## CURRICULUM

### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1127 or 1128	3
ECON 1220 or 1221	3
MATH 1174 (See note 1)	3
2 Electives (See notes 2, 3, and 4)	6

### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1129 or 1130	3
ECON 1220 or 1221	3
3 Electives (See notes 2, 3, and 4)	9

### THIRD TERM (TOTAL: 18 CREDITS)

Course No.	Credits
FMGT 2293	3
ECON 2296 or Elective (See notes 3, 4, and 5)	3
MARK 1115 or Elective (See notes 3, 4, and 5)	3
MATH 2310 or Elective (See notes 3, 4, and 5)	3
STAT 1181 (See note 4)	3
1 Elective (See note 6)	3

### FOURTH TERM (TOTAL: 15 CREDITS)

Course No.	Credits
FMGT 2294 or Elective	3
BUSM 2200	3
ECON 2298 or Elective (See notes 3, 4, and 5)	3
STAT 2225 (See notes 3, 4, and 5)	3
1 Elective (See notes 3, 4, and 5)	3

Students are advised to contact the university they plan to attend to ensure they are aware of any changes to admission/transfer requirements.



**NOTES:**

1. MATH 1171 or 1173/1183 may be used in lieu of MATH 1174.
2. Students are advised not to enrol in the equivalent of UBC Commerce or UBC Statistics courses as electives. Public Speaking is a required non-credit course for UBC and must be taken there in third-year Commerce.
3. SFU transfer students do not require ECON 2296, 2298, MATH 2310, and MARK 1115 and STAT 2225, but they are required to take BCAP 3200 or CSIS 2500 and STAT 1182.
4. MATH 2310, STAT 1181 and 2225 must be completed to obtain credit for UBC's Commerce 290 and 291. SFU requires only STAT 1181 and 1182.
5. UBC transfer students are also suggested to take BCAP 3200 or CSIS 2500.
6. This elective is not required for the Diploma in Arts and Science (Commerce); however, UBC transfer students should complete this elective (for a total of 63 credits) to fulfil the full two years of the UBC program.

## Computer Science

Department: Computing Science and Information Systems

Division: Mathematics and Sciences

Program Type: Arts and Science, Arts and Science Limited Enrolment, and Career

**OPTIONS**

- Associate of Science Degree in Computer Science
- Associate of Science Degree in Computer Science Co-operative Education
- Diploma in Arts and Science (Applied Computer Science and Technology)
- Diploma in Arts and Science (Applied Computer Science and Technology Co-operative Education)
- Diploma in Computer Studies (LE)
- Diploma in Computer Studies Co-operative Education (LE)
- Certificate in Computer Studies Foundation (LE)
- Certificate in Computer Studies Foundation Co-operative Education Internship (LE)
- Certificate in Internet/Web Computing and Software Development (LE)
- Certificate in Professional Computer Science and Technology (LE)

### ASSOCIATE OF SCIENCE DEGREE IN COMPUTER SCIENCE

**CURRICULUM**

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including the following:

1. CPSC 1150 or 1155  
CPSC 1160, 1181 and 1280  
CPSC 2150, 2190 and 2280  
MATH 1171 or MATH 1173/1183  
MATH 1271 or MATH 1273/1283  
MATH 2362
2. Six credits from the following: CMNS 1118, 2228, ENGL 1127 or 1128, 1129 or 1130, and 1140 (See note 3)
3. Six credits university-transferable arts (excluding English, Communications, and Mathematics)
4. 18 credits of university-transferable electives, at least three of which are in a lab science. (See notes.)

**NOTES:**

1. Students planning to transfer to UBC are recommended to take MATH 2371, PHYS 1125, 1225, STAT 1181, 2281 and a university-transferable Biology.
2. Students planning to transfer to SFU are recommended to take CPSC 1401, 2301, 2401, 2451, STAT 2281, and a university-transferable physical science.
3. Students planning to transfer to UVic are recommended to take MATH 2371, 2475, CPSC 1050, 2180, 2301, CMNS 1118, and ENGL 1140.

### ASSOCIATE OF SCIENCE DEGREE IN COMPUTER SCIENCE CO-OPERATIVE EDUCATION

**CURRICULUM**

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 23 courses (minimum 69 credits) including the following:

1. CPSC 1150 or 1155  
CPSC 1160, 1181 and 1280  
CPSC 2150, 2190 and 2280  
MATH 1171 or MATH 1173/1183  
MATH 1271 or MATH 1273/1283  
MATH 2362
2. Six credits from the following:  
CMNS 1118, 2228, ENGL 1127 or 1128, 1129 or 1130, and 1140 (See note 3)
3. Six credits of university-transferable Arts (excluding English, Communications and Mathematics)
4. 18 credits of university-transferable electives, at least three of which are in a lab science. (See notes.)
5. BUSM 2300, COOP 2301, and 2501.

**NOTES:**

1. Students planning to transfer to UBC are recommended to take MATH 2371, PHYS 1125, 1225, STAT 1181, 2281 and a university-transferable Biology.
2. Students planning to transfer to SFU are recommended to take CPSC 1401, 2301, 2401, 2451, STAT 2281, and a university-transferable physical science.
3. Students planning to transfer to UVic are recommended to take MATH 2371, 2475, CPSC 1050, 2180, 2301, CMNS 1118, and ENGL 1140.

Students who wish to participate in this Co-operative Education option must maintain above-average academic standing and demonstrate potential for success in their chosen professional field.

Two work terms (minimum 360 hours) need to be completed for a Co-op designated associate degree. Work terms may be done back to back. Employers provide the Co-op Officers with job descriptions to be posted. Students submit their resumes via the Co-operative Education Officer who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be active participants in self marketing to source their co-op work placement.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

#### ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Education Option, you must:

- Be enrolled in 3 program courses (minimum 9 credits) or more, not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-operative Education Officer; and
- Complete BUSM 2300 with a 'C' or higher.
- Also see Co-operative Education Programs

For further information, please contact the Students Affairs Coordinator in the Computer Science and Information Systems Department.

## DIPLOMA IN COMPUTER STUDIES

#### SPECIALIZATIONS:

- Computer Engineer
- Network Security Administrator
- Software Engineer and Project Manager
- Web Developer

This two-year program prepares students for direct entry into a career in the information technology field or for university transfer to continue a baccalaureate degree. Flexible options include choosing from a variety of specializations and co-op work placements. Students may select multiple specializations within a single diploma.

Program intakes: January, May, and September

#### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
- Within the last three years, 75 or higher on the Langara College Mathematics Diagnostic Test or 'C' or higher in Mathematics 12.

#### NOTES:

- Students who do not meet the above English or Mathematics requirements may be admitted to the program as determined by the department. Students admitted with a missing admission requirement will be notified in their acceptance letter of the conditions of their acceptance, and they will be required to meet with the department to plan their program of study.
- Students not meeting the English requirement will be required to sit the LET in their first semester in the program to attempt to attain a LET with a minimum level of 3. If students do not attain the required score, they will be required to take English foundation courses. To remain in the program, students who have completed 32 program credits must have successfully completed or be eligible to take one of ENGL 1127, ENGL 1128, CMNS 1115, or CMNS 1118.
- Statistics courses in the program. If students do not attain the required score, they will be required to take mathematics foundation courses.
- Students admitted on a conditional basis must complete all program requirements to be eligible for graduation.
- Students not meeting the Mathematics requirement will be required to attain the appropriate Math Diagnostic Test (MDT) score or obtain permission of the Mathematics/Statistics Department to allow them to register into the required Mathematics/
- Substitution of courses or exemptions may be made. Consult with the Department.

#### Documents Required for Application Evaluation

Applications will not be considered until all documents have been received.

- Completed application for admission form
- Official transcript(s)
- LET or LPI scores (if applicable)

Please refer to the program application dates in the Application for Admission section in this Calendar.

## CURRICULUM

You must complete at least 20 courses (minimum 60 credits) including:

- CPSC 1150 or 1155
- CPSC 1050 or CSIS 1300
- CPSC 1030 or 1401 or CSIS 1410
- CPSC 1160, 1181, 1220, 1280, and 1480
- PHIL 1102 or CPSC 1191 or 2190
- CPSC 2261 and 2301
- 3 credits of an approved business course (i.e., any BUSM, INTB, MARK, or FMGT course excluding BUSM 2300 and COOP courses).
- CPSC 2190 or a university-transferable MATH or STAT course
- 6 credits from the following: CMNS 1115, 1118, 2228, ENGL 1127, 1128, 1129, 1130, and 1140
- 9 credits of university-transferable electives from any department, 3 credits of which must be numbered 2000 or above.
- 6 credits of electives from CSIS or CPSC numbered above 2000.

### NOTE:

Students must complete the following courses as their electives for a named specialization:

1. **Computer Engineer:** CPSC 1401, 2180, and 2401.
2. **Network Security Administrator:** CPSC 2490 and 2810.
3. **Software Engineer and Project Manager:** CPSC 2211 and CSIS 2500.
4. **Web Developer:** CPSC 1030, 2211, and one of CPSC 2030 or 2130.

## DIPLOMA IN COMPUTER STUDIES CO-OPERATIVE EDUCATION

### SPECIALIZATIONS:

- Computer Engineer
- Network Security Administrator
- Software Engineer and Project Manager
- Web Developer

Students who wish to participate in this option must maintain above average academic standing and demonstrate potential for success in their chosen professional field.

Usually four-month (minimum of 360 hours) work terms are scheduled. Two work-terms need to be completed for a Co-operative Education designated diploma. Beginning each January, May or September, some work terms are extended for a total of eight months. Employers provide the Co-op Officers with job descriptions to be posted. Students submit their resumes via the Co-op Officer who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant self-marketing in order to source their co-op work placements.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

Also see Co-operative Education Programs

## CURRICULUM

You must complete at least 23 courses (minimum 69 credits) including:

- CPSC 1150 or 1155.
- CPSC 1050 or CSIS 1300
- CPSC 1030 or 1401 or CSIS 1410
- CPSC 1160, 1181, 1220, 1280, and 1480
- PHIL 1102 or CPSC 1191 or 2190
- CPSC 2261 and 2301
- 3 credits of an approved business course (i.e., any BUSM, INTB, MARK, or FMGT course excluding BUSM 2300 and COOP courses).
- CPSC 2190 or a university-transferable MATH or STAT course
- BUSM 2300, COOP 2301, and 2501
- 6 credits from the following: CMNS 1115, 1118, 2228, ENGL 1127, 1128, 1129, 1130, and 1140
- 9 credits of university-transferable electives from any department, 3 credits of which must be numbered 2000 or above.
- 6 credits of electives from CSIS or CPSC numbered above 2000.
- A selection of courses leading to a named specialization, see note

### NOTE:

Students must complete the following courses as their electives for a named specialization:

1. **Computer Engineer:** CPSC 1401, 2180, and 2401.
2. **Network Security Administrator:** CPSC 2490 and 2810.
3. **Software Engineer and Project Manager:** CPSC 2211 and CSIS 2500.
4. **Web Developer:** CPSC 1030, 2211, and one of CPSC 2030 or 2130.

### ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Education Option, you must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op Officer; and
- Complete BUSM 2300 with 'C' or higher.

Also see Co-operative Education Programs

For further information, please contact the Students Affairs Coordinator in the Computing Science and Information Systems Department

## CERTIFICATE IN COMPUTER STUDIES FOUNDATION

This one-year program provides a varied selection of introductory and intermediate level computing courses and can serve as the first year in the two-year Diploma in Computer Studies program. An optional co-operative education internship program provides for work experience in the Information Technology field.

Program intakes: January, May, and September

Note: Substitution of courses or exemptions may be made. Consult with the Department.

### ADMISSION REQUIREMENTS

Students interested in the Computer Studies Foundation Certificate should apply to the Diploma in Computer Studies program.

### CURRICULUM

You must complete at least 10 courses (minimum 30 credits) including:

CPSC 1050 or CSIS 1300

CPSC 1150 or 1155

CPSC 1160 or 1181

Two of the following: CPSC 1220, 1280, or 1480

Three of the following: PHIL 1102, CSIS or CPSC courses numbered 1030 and above

One of the following: CMNS 1115, 1118; ENGL 1127 or 1128.

One elective (minimum three credits) from any department.

## CERTIFICATE IN COMPUTER STUDIES FOUNDATION CO-OPERATIVE INTERNSHIP

### ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Internship Option, you must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op Officer; and
- Complete BUSM 2300 with 'C' or higher.

Also see Co-operative Education Programs

For further information, please contact the Students Affairs Coordinator in the Computing Science and Information Systems Department

### CURRICULUM

You must complete at least 12 courses (minimum 36 credits) including:

BUSM 2300

COOP 2301

CPSC 1050 or CSIS 1300

CPSC 1150 or 1155

CPSC 1160 or 1181

Two of the following: CPSC 1220, 1280, or 1480

Three of the following: PHIL 1102, CSIS or CPSC courses numbered 1030 and above

One of the following: CMNS 1115, 1118; ENGL 1127 or 1128.

One elective (minimum three credits) from any department.

## Creative Writing

Department: English

Division: Humanities

Program Type: Arts and Science

### ASSOCIATE OF ARTS DEGREE IN CREATIVE WRITING

#### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following:  
ENGL 1126 or 1127 or 1128  
ENGL 1129 or 1130  
ENGL 2223  
ENGL 2224
2. 3 credits from the following:  
ENGL 2225  
ENGL 2227  
ENGL 2230  
ENGL 2231  
ENGL 2233  
ENGL 2234  
ENGL 2235  
ENGL 2237  
ENGL 2238  
ENGL 2239 (ENGL 2239 is recommended for students who wish to take ENGL 2266)  
ENGL 2327  
ENGL 2330  
ENGL 2430
3. 9 credits from the following:  
ENGL 2236  
ENGL 2246  
ENGL 2256  
ENGL 2266  
ENGL 2276

# Criminal Justice

Department: Criminal Justice  
Division: Business and Community Programs  
Program Type: Career

## OPTIONS

- Diploma in Criminal Justice
- Diploma in Criminal Justice (BBA Transfer Option)

## GENERAL INFORMATION

Langara College's two-year (four-term) Diploma in Criminal Justice prepares students for a variety of careers with public and private agencies in the field of law enforcement. It is primarily designed for those seeking an entry-level job in the field. However, individual courses may be available from time to time to non-program students at Langara College and to those who wish to upgrade their knowledge and skills from the field. It is designed to be taken full-time, but may be taken part-time with departmental permission.

Students wanting to pursue further study may choose the Bachelor of Business Administration (BBA) Transfer Option of the Diploma in Criminal Justice. In this option, students will complete most of the bridging courses required for admission to the third year of the BBA (Business Management or Marketing Management concentration).

The Criminal Justice Program blends university-transfer academic arts courses, skills-based courses, and practical experience. Courses are offered during the semesters beginning in January and September of each year; however, students can only enter the full-time program in September.

Program intake: September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

Completion of BC Grade 12 or equivalent, or be 19 years of age or older.

- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Documents Required for Application Evaluation

Applications will not be considered until all documents have been received.

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

## DIPLOMA IN CRIMINAL JUSTICE

### CURRICULUM

#### FIRST TERM TOTAL: (16 CREDITS)

Course No.	Credits
CRIM 1115	3
CRIM 1116	3
ENGL 1127 or 1128	3
PHED 1112	1
POLI 1100	3
PSYC 1115	3

#### SECOND TERM TOTAL: (15 CREDITS)

Course No.	Credits
CRIM 1220	3
CRIM 1215	3
CRIM 1216	3
CJUS 1217	3
PSYC 1215	3

#### THIRD TERM TOTAL: (16 CREDITS)

Course No.	Credits
CMNS 1118	3
CRIM 1125	3
CRIM 2315	3
CRIM 2316	3
PHED 1118	1
PSYC 2317	3

#### FOURTH TERM TOTAL: (18 CREDITS)

Course No.	Credits
BUSM 1500	3
CRIM 2415	3
CRIM 2416	3
CRIM 2417	3
PHIL 1100	3
PSYC 2326	3

Program students must complete all courses in each term with a minimum of 'C' to enroll in the following term. In some cases, prior written approval may be granted by the Department Chair to permit a student to advance to the next term. Students who are given a waiver will be required to repeat the course to obtain the minimum 'C' required for graduation.

Program students will be encouraged to participate in an appropriate volunteer experience with a criminal justice agency while in the program. Students will be encouraged to attend various extracurricular activities, such as field trips and guest speaker lectures, from time to time while in the program.

### NOTE:

Be sure to check the prerequisites for the Arts and Science courses that are part of the program.

Students must complete all courses in the diploma program with a minimum 'C' grade.

Exception: Students may be permitted to meet graduation requirements if they have a 'C-' grade in no more than one of the program support courses, i.e., ENGL, CMNS, POLI, PSYC, PHED, BUSM, or PHIL.

## DIPLOMA IN CRIMINAL JUSTICE (BBA TRANSFER OPTION)

### GENERAL INFORMATION

Students choosing the BBA Transfer Option will complete specific electives that will enable them to transfer directly to third year of Langara's Bachelor of Business Administration program providing they meet the minimum cumulative GPA requirements for admission to third year of the degree. ECON 1220 or ECON 1221, normally a required bridging course for entry to third year of this degree, must be completed during the third year if not previously completed.

### CURRICULUM

#### FIRST TERM TOTAL: (15 CREDITS)

Course No.	Credits
CRIM 1115	3
CRIM 1116	3
ENGL 1127 or 1128	3
POLI 1100	3
Elective (See note 1)	3

#### SECOND TERM TOTAL: (18 CREDITS)

Course No.	Credits
CRIM 1220	3
CRIM 1215	3
CRIM 1216	3
CJUS 1217	3
PSYC 1215	3
Elective (See note 1)	3

#### THIRD TERM TOTAL: (15 CREDITS)

Course No.	Credits
CMNS 1118	3
CRIM 1125	3
CRIM 2315	3
CRIM 2316	3
Elective (See note 1)	3

#### FOURTH TERM TOTAL: (15 CREDITS)

Course No.	Credits
CRIM 2415	3
CRIM 2416	3
CRIM 2417	3
2 Electives (See note 1)	6

Program students must complete all courses in each term with a minimum of 'C' to enroll in the following term. In some cases, prior written approval may be granted by the Department Chair to permit a student to advance to the next term. Students who are given a waiver will be required to repeat the course to obtain the minimum 'C' required for graduation.

Program students will be encouraged to participate in an appropriate volunteer experience with a criminal justice agency while in the program. Students will be encouraged to attend various extracurricular activities, such as field trips and guest speaker lectures, from time to time while in the program.

### NOTES:

1. Electives must be chosen from the following courses: BUSM 1100; FMGT 1115, 1116, or 2293; MARK 1115; MATH 1118, 1119, 1171 or 1174; STAT 1123, 1124, or 1181.
2. Students must complete all courses in the diploma program with a minimum 'C' grade. Exception: Students may be permitted to meet graduation requirements if they have a 'C-' grade in no more than one of the program support courses, i.e., ENGL, CMNS, POLI, PSYC, PHED, BUSM, or PHIL.
3. Students wanting to transfer into the third-year of the BBA (Business Management or Marketing Management concentrations) must complete five of the elective courses listed in Note 1; must meet the minimum CGPA requirement for admission to the third year of the BBA; and must complete ECON 1220 or 1221 while in the third year of the program (unless previously completed).

## Design Formation

Department: Design Formation  
Division: Creative Arts  
Program Type: Career

### OPTIONS

- Diploma in Design Formation

### GENERAL INFORMATION

The Design Formation Program at Langara College merges the design disciplines of spatial formation and communication design. This challenging area of design bridges architecture, industrial design, interior design, and graphic design. Students become familiar with a wide-ranging skill set that can be applied to everything from retail display to exhibit design to environmental graphic design, or as a basis for further study in design. The full time program involves 16 hours of studio work each week, as well as course work in English and elective selections. Students should expect to commit at least 16 hours of research, project development and completion, reading, and client presentations. The design studios are offered during the Fall and Spring semesters, electives and English courses may be available during the Summer semester. Part time study may be possible with Departmental permission.

### OUTCOMES AND OBJECTIVES

The objective of the Design Formation program is to give students a foundation in three areas of design: design knowledge, design skills, and design practice. Knowledge gives context for the designer's practice. This includes history, contemporary trends, research, materials, and technology. In addition, students obtain a basic tool set through learning design skills in areas such as sketching, drafting, model making, computer software, and fabrication. Finally, students will become familiar with ideas of design practice that are essential to becoming a passionate and effective designer. Practice includes ideation, concept development, design development, and execution.

## CAREER OPPORTUNITIES

Students gain foundation skills in design which will lead to opportunities in these areas:

- Design for Presentation Centres
- Exhibit Design
- Environmental Graphic Design
- Museum Design
- Product Presentation
- Props: Design & Build
- Retail Visual Presentation
- Retail Merchandising
- Retail Store Planning
- Set Design for Film & Theatre
- Special Events Design
- Tradeshow Design

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English course for which Langara awards transfer credit, with a minimum 'C'; or an 'S' in one of ENGL 1107, 1108, or 1110.

#### Program Requirements

- Students are strongly advised to attend a scheduled information session - these will be noted on our web site.
- Students may be required to have a portfolio review and interview.

#### Program Intake

- September (Note: Students interested in the program can take electives and English/Communications courses before they start the program, or while in the program, in the summer semester if the elective is offered.)

#### Application Deadlines

Applications are accepted beginning October 1.

### Program Preferences

- Completion of secondary school or equivalent art courses.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

### Program Notes

- Students should expect to commit a minimum of four hours of time per studio per week in addition to class time.
- The 3-dimensional studio requires some physical effort including lifting and the use of power tools.

### Additional Costs

All costs are approximate and are subject to change.

Item	Year One	Year Two
Textbooks:	\$300.00	\$200.00
Personal tools and equipment:	\$1,300.00	\$1,000.00

### NOTES:

1. Except DSGN 1100, DSGN 1200, and DSGN 2100, all studio courses are restricted to students in the Design Formation program, or by permission of the Department.
2. A minimum grade of 'C' in each studio is required to progress through and graduate from the program.
3. Program students must be enrolled in all studios in each term.
  - First Term Studios: DSGN 1151, DSGN 1152, DSGN 1153, DSGN 1154
  - Second Term Studios: DSGN 1250, DSGN 1252, DSGN 1253, DSGN 1255
  - Third Term Studios: DSGN 2151, DSGN 2252, DSGN 2153, DSGN 2154
  - Fourth Term Studios: DSGN 2251, DSGN 2252, DSGN 2253, DSGN 2254 (See note 2)
4. Study beyond that included in the program curriculum is required to enter the specific industry areas of graphic and interior design.

## DIPLOMA IN DESIGN FORMATION

### CURRICULUM

To obtain a Diploma in Design Formation, students will be required to attain 66 credits.

#### FIRST TERM

Course No.	Credits
DSGN 1151	3
DSGN 1152	3
DSGN 1153	3
DSGN 1154	3
CMNS/ENGL (See note 1)	3
Elective I from Electives List	3

#### SECOND TERM

Course No.	Credits
DSGN 1250	3
DSGN 1252	3
DSGN 1253	3
DSGN 1255	3
Elective II from Electives List	3

#### THIRD TERM

Course No.	Credits
DSGN 2151	3
DSGN 2152	3
DSGN 2153	3
DSGN 2154	3
CMNS/ENGL (See note 1)	3
Elective III from Electives List	3

#### FOURTH TERM

Course No.	Credits
DSGN 2251	3
DSGN 2252	3
DSGN 2253	3
DSGN 2254 (See note 2)	3
Elective IV from Electives List	3

#### ELECTIVES LIST: (SEE NOTE 3)

Course No.	Credits
AHIS 1112	3
AHIS 1113	3
AHIS 1114	3
AHIS 1212	3
AHIS 1214	3
BUSM 1115	3
DSGN 1100	3
DSGN 1200	3
DSGN 2100	3
FINA 1120	3
FINA 1220	3
MARK 1115	3
MARK 3100	3
MARK 3400	3
PHOT 1100	3

Or another course with the prior approval of the Department Chair.

**NOTES:**

1. The ENGL/CMNS for the program may be taken in any semester, including the summer semester. The ENGL/CMNS requirement can be met by completing six course credits from the following: university-transfer credit offerings of the English Department, CMNS 1115, and/or CMNS 1118.
2. The prerequisite for DSGN 2254 is a GPA of 3.00 in the Third Term. In the absence of the 3.00 GPA, consideration may be given by faculty and the Department Chair.
3. The electives for the program may be taken in any semester, including the summer semester.

## Dietetics

Department: Nutrition and Food Service Management

Division: Business and Community Programs

Program Type: Arts and Science

**OPTIONS**

- Associate of Science Degree in Dietetics
- Diploma in Arts and Science (Dietetics)
- Associate of Science Degree in Dietetics

The Associate of Science in Dietetics prepares students for application to the Dietetics program at UBC. Once students have completed 54 credits of their Associate Degree requirements and the remainder of the courses are in progress, application can be made to UBC (deadline February 28). Students planning on this program of study are advised to speak with the Department Chair of the Nutrition and Food Service Management Program prior to beginning the program.

**CURRICULUM**

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 24 courses (minimum 69 credits) including:

- BIOL 1115
- BIOL 1215
- BIOL 2315
- BIOL 2370
- BIOL 2415
- CHEM 1120
- CHEM 1220
- CHEM 2316
- CHEM 2416
- ENGL 1127 or 1128 and 3 additional credits of first-year English
- FSRV 3114
- FSRV 3214
- FSRV 4323
- FSRV 4324
- FSRV 4444
- NUTR 2112
- NUTR 2212
- PSYC 1115 and 1215; or SOCI 1120 and 1121
- STAT 1124 and 1224; or 1181 and 2225
- 6 credits (two courses) of university-transferable MATH which shall include at least 3 credits in Calculus

## DIPLOMA IN ARTS AND SCIENCE (DIETETICS)

The Diploma in Arts and Science (Dietetics) prepares students for application to the Dietetics Program at UBC. Once students have completed 54 credits of their diploma requirements and the remainder of the courses are in progress, application can be made to UBC (deadline Feb. 28). Students planning on this program of study are advised to speak with the Department Chair of the Nutrition and Food Service Management Program prior to beginning the program.

**CURRICULUM**

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete 20 courses including:

- BIOL 1115
- BIOL 1215
- BIOL 2315
- BIOL 2370
- BIOL 2415
- CHEM 1120
- CHEM 1220
- CHEM 2316
- CHEM 2416
- ENGL 1127 or 1128
- ENGL 1129 or 1130
- NUTR 2112
- NUTR 2212
- FSRV 3114
- FSRV 3214
- FSRV 4323, 4324, or 4444
- PSYC 1115 and 1215; or SOCI 1120 and 1121
- STAT 1124 and 1224; or 1181 and 2225



# Early Childhood Education

Department: Early Childhood Education

Division: Social Sciences

Program Type: Career

## OPTIONS

- Diploma in Early Childhood Education
- Citation in Early Childhood Education: Special Education Post Basic

## GENERAL INFORMATION

In recent years there has been an increasing demand for qualified personnel to work with young children in Early Childhood programs. Employment opportunities exist in profit and non-profit childcare centres, parent participation preschools, private nursery schools and kindergartens, inclusive childcare and preschools, family day cares and other child minding services. Employment opportunities in the field of Early Childhood increase with further education and work experience.

Langara College offers a one-year, (three semesters) full-time day program that is designed to prepare students to meet the requirements of the provincial Early Childhood Education Registry. For information regarding regulatory requirements for registration as an Early Childhood Educator in British Columbia please see the Early Childhood Education Information Web page at [www.mcf.gov.bc.ca/childcare/ece](http://www.mcf.gov.bc.ca/childcare/ece). The Early Childhood Education Registry can also be reached by contacting the office at 1.888.338.6622.

Practical experience in a variety of Early Childhood centres is an essential part of the program.

Program intakes: January and September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent or be 19 years of age or older. If students do not have BC Grade 12 or equivalent and they are at least 19 years of age, they may be accepted provided they have a minimum of 3 credits of university-transferable courses with a grade point average of 2.00 or higher.
- One of the following:
  - LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Program Requirements

- Completed Early Childhood Education application supplement form.
- A successful interview conducted by the Early Childhood Education Department.
- Demonstrated emotional maturity, independence and an affinity for working with people.
- At least two letters of reference, one of which indicates successful recent experience in the care of children under six years, particularly with groups of preschool-aged children. The second letter may be a personal reference. Baby-sitting experience alone is not adequate. Experience means a minimum of 40 hours of volunteer work in the Province of British Columbia in a licensed child care centre with children six years and under.
- A demonstrated proficiency in the English language including the ability to speak, read, and write clearly and correctly. English proficiency is most important as young children are in the process of acquiring language.

- A confidential medical history, and TB test must be completed once acceptance has been offered. The medical history information that is provided relates only to a student's ability to fully participate in the program curriculum and practicums that include lifting and carrying young children and physical work in a child care centre. It is a legal requirement that students working with young children in licensed childcare centres attain a negative TB test result.
- Current first aid certification. Once an acceptance has been offered, a first aid certificate from an approved first aid training program must be submitted to the Diploma in Early Childhood Education program. Approved first aid training programs for Early Childhood Educators are listed in Schedule C of the Community Care and Assisted Living Act under Child Care Licensing Regulations.
- All students in Early Childhood Education programs in British Columbia must complete a Criminal Record Review prior to initial registration. Practicum agencies require evidence of a satisfactory Criminal Record Review. If students have a criminal conviction, they are directed to contact the Criminal Records Review Program with the Ministry of Public Safety and Solicitor General Security Programs Division with regard to specific questions involving criminal convictions and the ability to register as an Early Childhood Educator in British Columbia.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission and application supplement forms.
- Official transcript(s).
- Letters of reference.
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

Late applications will be accepted if space is available.

## DIPLOMA IN EARLY CHILDHOOD EDUCATION

### CURRICULUM

#### FIRST TERM (TOTAL: 21 CREDITS)

Course No.	Credits
ECED 1101	1
ECED 1104	1
ECED 1108	2
ECED 1115	3
ECED 1116	3
ECED 1118	3
ECED 1119	2
ENGL 1127 or 1128	3
PSYC 2324	3

#### SECOND TERM (TOTAL: 22 CREDITS)

Course No.	Credits
CMNS 1115	3
ECED 1201	1
ECED 1204	1
ECED 1208	2
ECED 1214	3
ECED 1217	3
ECED 1218	3
ECED 1219	3
PSYC 2328	3

#### THIRD TERM (TOTAL: 20 OR 23 CREDITS)

Course No.	Credits
ECED 1301	1
ECED 1308	3
ECED 1315	3
ECED 1318	3
ECED 1319	4
ECED 1325	3
PSYC 2318	3
ECED 1329 * (optional)	3

\* Practicum course for those students who have successfully completed all Basic Early Childhood Education courses and who wish to qualify for an Infant-Toddler Licence from the Early Childhood Education Registry.

Entrance to Term II depends on completion of all courses in Term I with a minimum 'C-' grade. Similarly, entrance to Term III depends on completion of all Term II courses with a minimum 'C-' grade unless Department approval is given.

Completion of all courses in the program with a minimum 'C-' grade is required to meet graduation requirements.

Term I serves as an introduction and overview of the field and an orientation to preschool and child care programs. Term II focuses on program planning with an emphasis on activities and learning experiences in various curriculum areas. In Term III, students are encouraged to put all the elements together, to organize

and evaluate learning experiences, and to integrate the curriculum across all areas of programming.

Practical experience in the field in each term supports the particular learning objectives for that period, and the amount of time spent in the field increases with each term.

### CITATION IN EARLY CHILDHOOD EDUCATION: SPECIAL EDUCATION POST BASIC

This program meets the criteria for the Early Childhood Education Registry. Early Childhood Educator: Special Education Credential. This program is offered on a part-time basis in the evenings in order to be easily accessible to employed early childhood educators.

### CURRICULUM

#### FIRST TERM (TOTAL: 6 OR 7 CREDITS)

Course No.	Credits
ECED 2410 (optional)	1
ECED 2415	3
PSYC 2318	3

#### SECOND TERM (TOTAL: 9 CREDITS)

Course No.	Credits
ECED 2417	3
ECED 2418	3
ECED 2419	3

Students must obtain a minimum 'C-' in all courses to advance to the second term and have a minimum 'C-' in all courses in the program to receive a credential.

#### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

You must hold an Early Childhood Education Certificate or Diploma from an approved institution or a valid Early Childhood Education Registry Early Childhood Educator Licence. (See Langara College Early Childhood Education Diploma Program)

#### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript indicating completion of an Early Childhood Education Certificate or Diploma or an official copy of your Early Childhood Education Registry Early Childhood Educator Licence.

#### Application and Supporting Documents Deadline

- April 15 for the September intake.
- September 30 for the January intake.
- Late applications will be accepted if space is available.

#### Program Notes

- For information regarding regulatory requirements for registration as an Early Childhood Educator in BC, please see the Early Childhood Information webpage at [www.mcf.gov.bc.ca/childcare/ece](http://www.mcf.gov.bc.ca/childcare/ece) or call 1.888.338.6622.

# Education Assistant

Department: Education Assistant

Division: Social Sciences

Program Type: Career

## OPTIONS

- Certificate in Education Assistant
- Diploma in Education Assistant (Co-ordinated)

## GENERAL INFORMATION

In the public school system, a movement away from segregated classrooms toward inclusive classrooms has resulted in dramatic changes in the ways students with disabilities are educated. In this framework, there is a need to provide Education Assistants with the theoretical and practical knowledge and experience that meets the individual needs of all children. An important goal of the Education Assistant Program is to provide Langara College students with opportunities to become competent and employable educators.

### The Role of the Education Assistant

Successful Education Assistants have an aptitude for working with adults and with children, are patient, interested in education and in learning, consider schools to be interesting and exciting places, and enjoy working in a world of rapidly changing ideas. The Education Assistant performs a variety of paraprofessional duties in the public school system:

- Works under the direction of teachers, administrators, or other professionals;
- Assists in the development and implementation of individualized or group communication skills, behavioural support, learning support, life-skills development, and work experience;
- Assists in the modification and adaptation of curriculum to meet the individual learning needs of students;
- Attends to and provides personal assistance to students who require assistance with toileting, positioning, diapering, mobility, feeding, grooming, and dressing;
- Transfers and assists students moving to/from wheelchairs, desks, and work areas;
- Supervises students in a variety of community-based activities;
- Attends and participates in school-based team meetings (and other meetings) as required by the support teachers or school administrators;
- Participates in parent-teacher meetings where required; and
- Performs other related work as required.

Program intake: September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent. If students do not have BC Grade 12 or equivalent and they are at least 19 years of age, students may be accepted providing they have a minimum of three credits of university-transferable courses with a minimum grade point average of 2.0.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Program Requirements

- Recent volunteer or work experience in the school system with students with disabilities. Preference will be given to applicants who have 100 hours of recent volunteer experience with children with disabilities in school or related settings.
- A minimum of two recent letters certifying that volunteer experiences were successful are required. Note: Letters from relatives or friends are not acceptable.
- Good knowledge of the English language and the ability to speak and write clearly and correctly.
- Criminal Records Review. All students in the Education Assistant Program must complete a Criminal Records Review prior to the first practicum. Practicum placement facilities require evidence of a satisfactory Criminal Records Review in order for program students to work with children/adolescents in the school system.

## Program Preferences

- Post-secondary studies with a minimum grade point average of 2.0.
- Documents Required for Application Evaluation
  - (Applications will not be considered until all documents have been received.)
- Completed application for admission form.
- Official secondary school (Grade 12) transcript.
- Post-secondary school transcript (if applicable).
- Two letters of reference.
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

## CERTIFICATE IN EDUCATION ASSISTANT

The Langara College Education Assistant Program is a nine-month (two-term) program which blends the study of theoretical principals with practical experience in the areas of learning, development, communication, curriculum, behavior, personal care, and teamwork. Opportunities to apply theoretical material occur during two three-week, full-time practicum experiences in Terms One and Two, and in May during a four-week, full-time practicum. This field work is invaluable in exposing students to the realities of the job and to potential employers.

## CURRICULUM

### FIRST TERM (TOTAL: 18 CREDITS)

Course No.	Credits
EDAS 1100	3
EDAS 1110	3
EDAS 1120	3
EDAS 1220	3
EDAS 1140	3
EDAS 1111	3

### SECOND TERM (TOTAL: 22 CREDITS)

Course No.	Credits
ENGL 1127 or 1128	3
EDAS 1200	3
EDAS 1210	3
EDAS 1230	3
EDAS 1130	3
EDAS 1211	3
EDAS 1311	4

## NOTES:

- Students must successfully complete all Term One courses with a minimum 'C-' ('S' for the practicum course) in the Fall Semester before they can proceed to Term Two courses in the Spring Semester. In extenuating circumstances, students who do not meet these minimum grade requirements may request department permission to proceed with some or all of Term Two courses.
- Each course in the program can only be taken twice.
- Students must obtain a minimum 'C-' ('S' for practicums) in all program courses for certificate completion.
- Be sure to check the prerequisites for the Arts and Science courses that are part of the Program.

## DIPLOMA IN EDUCATION ASSISTANT (CO-ORDINATED)

To receive the Diploma in Education Assistant (Co-ordinated), students must successfully complete the Certificate in Education Assistant and a minimum 30 credits (minimum 10 courses) including a minimum 24 credits (minimum 8 courses) of university-transferable courses that have science, social science, or humanities attributes, and 6 credits (2 courses) of any course eligible to be used towards a Langara College credential. Six credits of the credits required for this diploma must be from the offerings of the English Department. A link to course attribute information can be found in the course description.

Unless students transfer in courses earned before they began the Education Assistant program, they must complete the 10 courses at Langara. Refer to Co-ordinated Programs information for details.

## Engineering

Department: Physics

Division: Mathematics & Sciences

Program Type: Arts and Science Limited Enrolment

The Certificate in Arts and Science (Engineering) Program provides courses equivalent to the first year of study at the University of British Columbia Applied Science Program. Most of the courses will be useful for students planning further studies in physical sciences at any college or university; however, two of the courses, PHYS 1219 and CPSC 1090, are particular to UBC's Applied Science program. The Certificate in Arts and Science (Engineering) can serve as the first year towards a Diploma in Arts and Science or an Associate of Science Degree.

Transfer to UBC second-year Applied Science or to other faculties or institutions will depend on those institutions and each application will be considered on its merits. The need to maintain a high grade-point average and to demonstrate the ability to handle a heavy course load cannot be overemphasized.

Subsequent application to UBC will require a minimum GPA of 2.5 in the 42 to 44 credits of the program, which ordinarily must be earned in the three semesters indicated. The Langara College certificate will require a minimum GPA of 2.5 in the 42 to 44 credits, which must be earned in a period of no longer than five consecutive semesters.

Program intake: September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:
  - LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
  - Within the last 3 years, 'B' or higher in Chemistry 12 or equivalent, 'B+' or higher in CHEM 1118, or results\*\* on the Chemistry Diagnostic Test that will qualify students to register into CHEM 1120.
  - Within the last 3 years, 'B' or higher in Principles of Mathematics 12 or equivalent, or 'C+' or higher in Principles of Mathematics 12 and 'C-' or higher in Calculus 12, or 'C+' or higher in MATH 1170, or 90 or higher on the Mathematics Diagnostic Test.
  - Within the past 3 years, 'B' or higher in Principles of Physics 12 or equivalent, or 'B+' or higher in PHYS 1118.
  - \*\*Admission by diagnostic test scores is permitted only with departmental approval. Diagnostic test information is available on the College website.

Please refer to the program application dates in the Application for Admission section in this Calendar.

### Program Preference

Program preference will be given to applicants who have demonstrated that they can handle a heavy course load.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).

## CERTIFICATE IN ARTS AND SCIENCE (ENGINEERING)

### CURRICULUM

FIRST TERM (Total: 17 or 18 credits) (Fall)

Course No.	Credits
CHEM 1120	4
CPSC 1150 or 1155	3
ENGL 1127 or 1128	3
MATH 1171 or 1173 and 1183	3 or 4
PHYS 1125	4

SECOND TERM (Total: 22 or 23 credits) (Spring)

Course No.	Credits
CHEM 1220	4
ENGL 1129 or 1 university transferable English elective	3
MATH 1271 or 1273 and 1283	3 or 4
MATH 2362 and 2382	4
PHYS 1219	4
PHYS 1225	4

THIRD TERM (Total: 3 credits) (Summer)

Course No.	Credits
CPSC 1090	3

## English

Department: English

Division: Humanities

Program Type: Arts and Science

### ASSOCIATE OF ARTS DEGREE IN ENGLISH

#### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following:
    - ENGL 1126 or 1127 or 1128
    - ENGL 1129 or 1130
    - ENGL 2223
    - ENGL 2224
  2. 12 credits from the following:
    - ENGL 2225
    - ENGL 2227
    - ENGL 2230
    - ENGL 2231
    - ENGL 2233
    - ENGL 2234
    - ENGL 2235
    - ENGL 2237
    - ENGL 2238
    - ENGL 2239
    - ENGL 2327
    - ENGL 2330
    - ENGL 2430
- One of ENGL 1125, 1135, 1181, 1191, 1195, 1295, 2236, 2246, 2256, 2266, 2276.

## Environmental Studies

Department: Interdisciplinary Studies

Division: Humanities

Program Type: Arts and Science

#### OPTIONS

- Associate of Arts Degree in Environmental Studies
- Associate of Science Degree in Environmental Studies
- Diploma in Arts and Science (Environmental Studies)
- Citation in Environmental Studies

#### GENERAL INFORMATION

Environmental Studies is an interdisciplinary program offering students the opportunity to obtain a solid grasp of the physical principles governing the form and function of the earth and the social aspects affecting the nature of human impact on the environment. Program participants will also gain critical thinking skills, analytical ability, a deeper understanding of environmental issues, and a sense of local and global awareness, preparing them to address complex environmental issues.

All courses have university-transfer credit providing students with the option of further study should they wish to obtain a university degree in Environmental Studies or other arts and science disciplines. Block transfer agreements with BC universities allow entry into the third year of certain programs.

## ASSOCIATE OF ARTS DEGREE IN ENVIRONMENTAL STUDIES

### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following:  
GEOG 1155  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
ENVS 1105 (non-credit, non-fee course)  
ENVS 2390 or 2100  
ENVS 2410  
ENVS 2470
2. 9 courses from the following:  
ABST 1206, 1207, 2230, 2240  
ANTH 1120, 1132, 1180, 2240  
APPL 2310 (See note 4)  
CMNS 1115, 1118, 2228  
ECON 1110, 1220, 1221  
GEOG 2155, 2230, 2250  
HIST 2215, 2217, 2260  
PHIL 1100, 1104, 1120, 2202, 2210  
POLI 1119, 1140, 1250, 2229, 2240, 2245  
SOC 1126, 2240

Note: When choosing courses, students must consult the Associate of Arts general requirements to ensure they choose a selection of courses that meet these requirements.

3. 4 courses from the following:  
BIOL 1115 or 1118  
BIOL 1215 or 1218  
CHEM 1117 or 1120  
CHEM 1217 or 1220  
GEOG 1190 or GEOL 1110 (See note 6)  
GEOG 1180
4. 1 course (minimum 3 credits) in Mathematics or Computer Science or Statistics.

## ASSOCIATE OF SCIENCE DEGREE IN ENVIRONMENTAL STUDIES

### CURRICULUM

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 62 credits) including:

1. All of the following:  
BIOL 1115 and 1215  
CHEM 1120 and 1220  
GEOG 1155  
GEOG 1180  
GEOG 1190 or GEOL1110 (See note 6)  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
ENVS 1105 (non-credit, non-fee course)  
ENVS 2100 or 2390  
ENVS 2410  
ENVS 2470
2. 5 courses from the following:  
BIOL 2285, 2286, 2315, 2340, 2370, 2380, 2415, 2440, 2450, 2470, 2480, 2580  
CHEM 2222, 2224, 2227, 2250, 2316, 2416  
GEOG 2290, 2210  
GEOL 2205, 2207

Note: When choosing courses, students must consult the Associate of Science general requirements to ensure they choose a selection of courses that meet these requirements.

3. 2 courses (minimum 6 credits) in Mathematics which shall include at least 3 credits in Calculus.

## DIPLOMA IN ARTS AND SCIENCE (ENVIRONMENTAL STUDIES)

### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete 21 courses minimum (60 credits) including:

1. All of the following:  
BIOL 1115 or 1118  
BIOL 1215 or 1218  
CHEM 1117 or 1120  
CHEM 1217 or 1220  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
ENVS 1105 (non-credit, non-fee course)  
ENVS 2100 or 2390  
ENVS 2410  
ENVS 2470  
GEOG 1155  
GEOG1180  
GEOG 1190 or GEOL1110 (See note 6)
2. Eight courses (24 credits) from the following:  
ABST 1206, 1207, 2230, 2240  
ANTH 1120, 1132, 1180, 2240  
APPL 2310 (See note 4)  
BIOL 1115, 1215, 1118, 1218, 1185, 2285, 2286, 2315, 2340, 2370, 2380, 2415, 2440, 2450, 2470, 2480, 2580  
CHEM 1117, 1120, 1217, 1220, 2222, 2224, 2227, 2250, 2316, 2416  
CMNS 1115, 1118, 2228  
ECON 1110, 1220, 1221  
ENGL 2237 (See note 5)  
GEOG 1120, 1130, 1150, 2155, 2210, 2230, 2250, 2290  
GEOL 2205, 2207  
HIST 2215, 2217, 2260  
PHIL 1100, 1104, 1120, 2202, 2210  
POLI 1119, 1140, 1250, 2229, 2240, 2245  
SOC 1126, 2240  
STAT 1124
3. Any 2 first-year, university-transfer Mathematics courses (minimum 6 credits)
4. Any 2 first-year, university-transfer Physics courses (minimum 6 credits)

**NOTES:**

1. When choosing courses, students should consult the Arts and Science Diploma general requirements to ensure they choose a selection of courses that meet these requirements.
2. Two electives may be chosen from other Langara College course offerings with approval of the Program Co-ordinator.
3. Students who have taken STAT 1123, 1127, 1128, POLI 2219 or PHIL 1105 prior to the Fall Semester 2007 may use these courses as electives.
4. Students should consult with the Langara College Calendar and the Applied Planning Co-ordinator about the prerequisites for APPL 2310.
5. The content of ENGL 2237 varies with the instructor and the semester. Only sections with significant Environmental Studies content may be counted towards the diploma.
6. At some institutions, GEOG 1190 and GEOL1110 are considered identical courses. Students who take both GEOG 1190 and GEOL1110 may not receive transfer credit for both courses. Please consult the BCCAT transfer guide or Langara Geography Department.
7. Selection of courses is critical to those students planning to proceed beyond the two-year program. Consultation with the Environmental Studies Co-ordinator is highly advised. (For example: CHEM 1117 and 1217, BIOL 1118 and 1218 transfer as science credit for non-science majors. Those considering a science degree should register in CHEM 1120 and 1220, BIOL 1115 and 1215).
8. Students should consult the Langara College Calendar for the list of Environmental Studies Scholarships.

**CITATION IN ENVIRONMENTAL STUDIES****GENERAL INFORMATION**

The Citation in Environmental Studies is designed for students who have completed a number of courses relating to environmental issues while pursuing a diploma, associate degree, or bachelor's degree in another subject area.

**CURRICULUM**

Students must complete at least five of the following courses, with a maximum of two courses in any one subject area.

ABST 1206, 1207, 2230

APPL 2310

BIOL 1115, 1118, 1185, 1215, 1218, 2285, 2286, 2315, 2340, 2370, 2380, 2415, 2440, 2450, 2470, 2480, 2580

CHEM 1117, 1120, 1217, 1220, 2222, 2224, 2227, 2250, 2316, 2416

ECON 1110, 2260

ENGL 2237 (See note 2)

ENV5 2100, 2390, 2410, 2470

GEOG 1120, 1130, 1150, 1155, 1180, 1190 (See note 3), 2155, 2230, 2290

GEOL 2207

HIST 2215, 2217, 2260

PHIL 1120, 2210

POLI 2240

SOCI 1126, 2240

**NOTES:**

1. Students may choose one course from other Langara College course offerings with approval of the Program Co-ordinator.
2. The content of ENGL 2237 varies with the instructor and the semester. Only sections with significant Environmental Studies content may be counted towards the citation.
3. Students may count only one of GEOG 1190 or GEOL 1110 towards the citation.

**Family Studies**

Department: Interdisciplinary Studies

Division: Humanities

Program Type: Arts and Science

**OPTIONS**

- Associate of Arts Degree in Family Studies
- Diploma in Arts and Science (Family Studies)

**ASSOCIATE OF ARTS DEGREE IN FAMILY STUDIES****CURRICULUM**

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following:
  - ENGL 1127 or 1128
  - ENGL 1129 or 1130
  - ENGL 2237 (approved section) or ENGL 2225 (approved section), or ENGL 2234
  - FMST 1115
  - HIST 1155
  - PHIL 1100 or 1227
  - PSYC 2319
  - SOCI 2250
2. Any 3 of the following courses:
  - ANTH 1120
  - CLST 1102
  - CMNS 1115
  - PCCN 1202
  - PSYC 2323, 2324, 2424, 2425, 2426
  - WMST 1116 or 1216
  - WMST 1195
3. 1 of the following options:
  - Attendance in FMST 1105 (0 credit) OR
  - completion of a supervised project on a topic related to marriage and/or family issues.

## DIPLOMA IN ARTS AND SCIENCE (FAMILY STUDIES)

The two-year Diploma in Arts and Science (Family Studies) Program is for individuals interested in understanding the nature of long-term relationships to further personal and/or career objectives. It is the only such program offered in the BC College system.

A Diploma in Arts and Science (Family Studies) requires at least 20 courses (minimum 60 credit hours of study). Up to 15 credit hours may include courses from the career and human kinetics course selections. Students must achieve a minimum 'C' GPA in the program's core course offerings to be awarded a diploma. As part of the Interdisciplinary Studies Department, the broad range of courses provides students with a sound basis for continuing their studies in a variety of academic disciplines including Psychology, Sociology, Education, Social Work, and Family Sciences.

Selections from the program's offerings, taken in conjunction with Langara College's Certificate in Social Service Worker Program, would allow a student to complete a College Diploma in Co-ordinated Studies.

### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following:  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
ENGL 2237 (approved section) or ENGL 2225 (approved section), or ENGL 2234  
FMST 1115  
HIST 1155  
PHIL 1100 or 1227  
PSYC 2319  
SOC 2250
2. Any 3 of the following:  
ANTH 1120  
CLST 1102  
CMNS 1115  
PCCN 1202  
PSYC 2323, 2324, 2424, 2425, 2426  
WMST 1116 or 1216  
WMST 1195
3. One of the following options:  
Attendance in FMST 1105 (0 credit) OR  
completion of a supervised project on a topic related to marriage and/or family issues.

## Field Studies

Field Studies Programs (Field Schools)

### GENERAL INFORMATION

These programs are one-semester interdisciplinary and limited enrolment (LE) programs, offered from time to time, that include several weeks of travel and study. Students will be introduced to discipline specific studies relative to the countries in which they are travelling. The exact format will vary with each program.

Some recent examples of external studies programs include the following:

- Archaeology Field School (LE)
- European Studies (Study in Europe) (LE)
- Greek Field Studies (LE)
- Haida Gwaii (LE)
- Religious Studies Field School (LE)
- Study in Italy (LE)
- Study in London (LE)
- Study in Thailand (LE)
- Theatre History Field Studies (LE)

## Film Arts (Writing/Acting/Directing)

Department: Film Arts  
Division: Creative Arts  
Program Type: Career

### OPTIONS

- Certificate in Film Arts (Acting)
- Certificate in Film Arts (Directing)
- Certificate in Film Arts (Writing)

### GENERAL INFORMATION

Film Arts offers an eight-month, post-accreditation Certificate in Film Arts in three areas: Acting for the Screen, Writing for the Screen, and Directing for the Screen. The program runs from January through August.

Courses in film studies, film principles, and film practice will overlap, resulting in a creative and collaborative environment in which students will practice their skills with the other key creators of each craft area. These overlapping courses are designed so students will develop a dynamic understanding of the film making process.

Nevertheless, each certificate will be a stand-alone program. The Film Arts Program is designed as three parallel paths, each one concentrating on its own area of expertise and resulting in a portfolio of work and a base of knowledge that will give the student a significant advantage when entering the workforce in the professional world of film production.

Students wishing to obtain a second certificate in another stream of the Film Arts Program must take the courses unique to that certificate.

Students accepted in the Certificate in Film Arts Program must take Term 1 (Spring) and Term 2 (Summer) consecutively.

Program intake: January



## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

#### All Streams:

One of the following:

- LET with a minimum level 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121); or
- LPI equivalent; or
- BC English 12 or equivalent with a minimum 80%; or
- BC English Literature 12 with a minimum 80%; or
- an 'S' in one of ENGL 1107, 1108 or 1110

In addition to the academic requirements, admission is dependent on the following:

#### For Actors:

- A successful audition (in-person or tape) and/or an interview.
- Good knowledge of the English language including the ability to speak, read aloud, and write clearly and correctly.

#### For Writers:

- A positive assessment of a written portfolio. An interview may also be required.
- Good knowledge of the English language including the ability to speak, read aloud, and write clearly and correctly.

#### For Directors:

- A positive assessment of a video portfolio to which the applicant has contributed in a key creative role. An interview may also be required.
- Good knowledge of the English language including the ability to speak, read aloud, and write clearly and correctly.

## Program Preferences

While all qualified applicants will be considered, preference is given to candidates who have completed 60 credits of post-secondary study in a field related to their area of interest and who have demonstrated a commitment to pursuing a career in the film industry.

### Documents Required for Application Evaluation

- Completed application for admission form. Please indicate whether you are applying for the Acting Stream, the Writing Stream, or the Directing Stream.
- Official transcript(s).
- Resume.
- For Actors: a letter of application citing your goals in joining the Film Arts Program.
- For Writers: a portfolio of a minimum ten page (maximum twenty-four page) original screenplay or part of a screenplay, written by the applicant.
- For Directors: a letter of application citing your goals in joining the Film Arts Program, and a video portfolio (digital file, URL such as YouTube or DVD) to which he or she has contributed in a key creative role of director, actor, cinematographer or editor. These will not be returned.

Please refer to the program application dates in the Application for Admission section in this Calendar.

Late applications will be considered if space is available.

### Program Notes

- Students will be required to pay materials fees in addition to tuition. See the Course Schedule for material fee information.
- Students will be required to purchase additional materials for their productions.

## CERTIFICATE IN FILM ARTS (ACTING)

### CURRICULUM

#### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1127 or 1128	3
FLMA 1110	3
FLMA 1120	3
FLMA 1170	3
FLMA 1180	3

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
FLMA 1210	3
FLMA 1220	2
FLMA 1222	1
FLMA 1270	3
FLMA 1280	6

## CERTIFICATE IN FILM ARTS (DIRECTING)

### CURRICULUM

#### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1127 or 1128	3
FLMA 1150	3
FLMA 1160	3
FLMA 1170	3
FLMA 1182	3

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
FLMA 1250	3
FLMA 1260	3
FLMA 1270	3
FLMA 1282	6

## CERTIFICATE IN FILM ARTS (WRITING)

### CURRICULUM

#### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1127 or 1128	3
FLMA 1130	3
FLMA 1140	3
FLMA 1170	3
FLMA 1181	3

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
FLMA 1230	3
FLMA 1240	3
FLMA 1270	3
FLMA 1281	6

# Financial Management

Department: Langara School of Management

Division: Business and Community Programs

Program Type: Career

## OPTIONS

- Diploma in Financial Management
- Diploma in Financial Management Co-operative Education

## GENERAL INFORMATION

The objective of this two-year diploma program is to prepare for careers in accounting and financial services. The curriculum includes a mix of business and academic courses that provide students with both the practical skills required in accounting and financial services and proficiency in business decision-making and analysis. Many of the program courses are eligible for university-transfer credit or exemptions for the courses offered by the Certified General Accountants Association, the Certified Management Accountants Society, or the Institute of Chartered Accountants. As well, many of the courses carry credit towards a professional designation in the fields of credit management, banking, trust administration, and insurance.

The program provides students with the opportunity to customize their program to suit their particular requirements. Students will be required to obtain 60 credits. Forty-five of the credits will come from compulsory courses, nine credits will come from optional financial management courses, and six credits may be academic electives. Thus students wishing to maximize their credits in either accounting or finance will be able to do so, but those interested in a general diploma in financial management will be able to pick from a variety of courses according to their interests.

Graduates of this program who meet the minimum academic entrance requirements will be able to ladder into the third year of the Bachelor of Business Administration (BBA) Program. Those who wish to pursue the Accounting Concentration may be admitted into the BBA, but they will need to complete all the bridging courses to meet upper-division course prerequisites. Graduates who wish to undertake one of the other concentrations should meet with the department.

Program intakes: September, January, and May.

## ADMISSION REQUIREMENTS

Students interested in this program must apply to the Bachelor of Business Administration (BBA) Program in the Langara School of Management. A Diploma in Financial Management is awarded upon completion of appropriate courses within the first two years (60 credits) of the BBA program. Please see the Business Administration (BBA) program information for admission requirements.

## DIPLOMA IN FINANCIAL MANAGEMENT

### CURRICULUM

To obtain a Diploma in Financial Management, students will be required to attain 60 or 63 credits as described below:

1. All core courses from the following: (Total: 45 or 48 credits)

Course No.	Credits
BCAP 1200	3
BUSM 1200 or 2200	3
BUSM 1285	3
BUSM 1500	3
BUSM 2300 *	3
Two of CMNS 1115 or 1118 or ENGL 1127 or 1128 or 1129	6
ECON 1220 or 1221	3
FMGT 1115	3
FMGT 1215	3
FMGT 2325	3
FMGT 2371	3
FMGT 2474	3
MATH 1118	3
STAT 1123 or 1124 or 1181	3
FMGT 2308 or MATH 1210	3

\* Compulsory for students wanting to do the co-op option. Optional for all other students in the program.

2. THREE elective courses from the following: (Total: 9 credits)
- |  |   |
|--|---|
| BUSM 1200 or 2200  | 3 |
| (whichever has not been taken to satisfy the core requirement above) |   |
| ECON 1220 or 1221  | 3 |
| FMGT 1321 *  | 3 |
| FMGT 1323 * or 2294 *  | 3 |
| FMGT 2308 * or MATH 1210   | 3 |
| (whichever has not been taken to satisfy the core requirement above) |   |
| FMGT 2421 *  | 3 |
| FMGT 2423 *  | 3 |
| FMGT 2475  | 3 |
| INTB 2330  | 3 |
| MARK 1115  | 3 |

\* These courses are recommended for students who plan on pursuing an Accounting designation.

3. Two elective courses chosen from the Arts & Science or Career program course offerings. (Total: 6 credits)

## DIPLOMA IN FINANCIAL MANAGEMENT CO-OPERATIVE EDUCATION

Students who wish to participate in this option must maintain above-average academic standing and demonstrate potential for success in their chosen professional field.

Usually, four-month (minimum of 360 hours) work terms are scheduled for the third and fifth terms of the program. Two work terms need to be completed for a Co-op designated diploma. Employers provide the Co-op instructors with job descriptions to be posted. Students submit their resumes via the Co-op instructor, who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant in self-marketing to source their co-op work placements.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

Also see Co-operative Education Programs

### ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Education Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term;
- Successfully complete an employability assessment interview with a Co-op instructor; and
- Complete BUSM 2300 with a 'C' or higher.

### CURRICULUM

To obtain a Diploma in Financial Management Co-operative Education, students will be required to attain 69 credits as described below:

#### 1. All core courses from the following: (Total: 48 credits)

Course No.	Credits
BCAP 1200	3
BUSM 1200 or 2200	3
BUSM 1285	3
BUSM 1500	3
BUSM 2300	3
Two of CMNS 1115 or 1118 or ENGL 1127, 1128 or 1129	6
ECON 1220 or 1221	3
FMGT 1115	3
FMGT 1215	3
FMGT 2308 or MATH 1210	3
FMGT 2325	3
FMGT 2371	3
FMGT 2474	3
MATH 1118	3
STAT 1123 or 1124 or 1181	3

#### 2. Three elective courses from the following: (Total: 9 credits)

BUSM 1200 or 2200 (whichever has not been taken to satisfy the core requirement above)	3
ECON 1220 or 1221	3
FMGT 1321*	3
FMGT 1323* or 2294*	3
FMGT 2421*	3
FMGT 2423*	3
FMGT 2475	3
INTB 2330	3
MATH 1210 or FGMT 2308 (whichever has not been taken to satisfy the core requirement above.)	3

MARK 1115 3  
\*These courses are recommended for students who plan on pursuing an Accounting designation.

#### 3. Any two elective courses 6 chosen from the Arts & Science or Career Program course offerings.

#### 4. In order to obtain a Diploma in Financial Management Co-operative Education, students must complete two work terms as follows:

##### WORK TERM 1 (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2301	3

##### WORK TERM 2 (TOTAL: 3 CREDITS)

Course No.	Credits
COOP 2501	3

Note: Students are advised to review individual course descriptions for prerequisites.

Not all courses will be offered in every semester; students should take care when planning their course schedule.

## Fine Arts

Department: Fine Arts  
Division: Creative Arts  
Program Type: Career

### GENERAL INFORMATION

The Fine Arts Program provides two years of intensive study in Fine Arts. The program has excellent transferability to universities and art schools in British Columbia, Canada and the USA. The Diploma in Fine Arts offers a dual purpose to the prospective student:

1. Preparation leading toward advanced study at other Art institutions; and
2. Foundation training for employment opportunities.

The program emphasis is on studio art with the opportunity for specialization in the second year. Diploma requirements include academic courses in English, Art History and Cultural Theory.

Drawing and Design are considered core courses. Students must complete Drawing and Design each term before advancing to the next term.

Program intake: September

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Program Requirements

- Lower Mainland applicants must attend a Fine Arts Information Session offered in the spring by the Fine Arts Department. Students will be notified of dates and times by the Registrar's Office or they may call the Fine Arts Department at 604.323.5229. If students live outside the Lower Mainland, they must contact the Fine Arts Department for an information package.
- Applicants must complete a Fine Arts Candidate Questionnaire. The questionnaire will be distributed at Fine Arts Information Sessions. If students live beyond the Lower Mainland, the questionnaire will be included in the information package. Please note that information packages will not be sent to addresses within the Lower Mainland.
- A portfolio of art work indicating students' areas of interest and involvement in art may be required but should not be submitted unless the department specifically requests one.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).

### Program Notes

- Students must pay a materials fee in each studio for each term of the program for basic supplies, and they must also purchase a specific list of personal supplies/tools.
- Students should expect to commit about 4 hours of studio work per week per studio in addition to class time.
- Please refer to the program application dates in the Application for Admission section in this Calendar.

## DIPLOMA IN FINE ARTS

### CURRICULUM

#### TERM ONE (TOTAL: 18 CREDITS)

Course No.	Credits
AHIS 1112 or 1114	
(See notes 1 and 3)	3
ENGL 1127 or 1128	3
FINA 1120	3
FINA 1140 and two of the following:	
FINA 1111	3
FINA 1131	3
FINA 1161	3
FINA 1171	3

#### TERM TWO (TOTAL: 18 CREDITS)

Course No.	Credits
AHIS 1212 or AHIS 1214	
(See notes 1 and 3)	3
ENGL 1129 or 1130	3
FINA 1220	3
FINA 1240	3
And two of the following not taken in Term 1:	
FINA 1111	3
FINA 1131	3
FINA 1161	3
FINA 1171	3

Students must successfully complete Drawing and Design in Terms 1 and 2 before advancing to any studios in the next term.

Each term, students must achieve a minimum 'C' grade in all studio courses to be eligible to register in any Fine Arts courses in the following term, or they must apply in writing to the Department for permission to continue.

Completion of all first-year courses in the program or transferred equivalence is required before entry into second year.

#### TERM THREE (TOTAL: 15 CREDITS)

Course No.	Credits
AHIS (See note 2)	3
Three of the following studios plus one university-transferable elective OR four of the following studios*	
(See notes 4 and 5)	
FINA 2110	3
FINA 2111	3
FINA 2120	3
FINA 2130	3
FINA 2140	3
FINA 2141	3
FINA 2160	3
FINA 2171	3

\*Students in Terms 3 and 4 are restricted to a maximum of four second-year studios in each of these semesters. Students who have previously completed the AHIS and university-transferable electives that

are required in these semesters may take an additional studio with departmental approval.

#### TERM FOUR (TOTAL: 15 CREDITS)

Course No.	Credits
AHIS (See notes 2 and 3)	3
Three of the following studios plus one university-transferable elective OR four of the following studios: (See notes 4 and 5)	
FINA 2111	3
FINA 2210	3
FINA 2220	3
FINA 2230	3
FINA 2240	3
FINA 2241	3
FINA 2260	3
FINA 2271	3

### NOTES:

1. Students must complete either AHIS 1112 and 1212 or AHIS 1114 and 1214 to satisfy the first-year AHIS requirements of the program. Students wanting to do further study in Fine Arts after second year should check with the institution to which they want to transfer to determine the Art History requirements of that institution.
2. Students must complete two of the following AHIS courses (6 credits) in the second year of the Fine Arts program: AHIS 1113, 1115, 1117, 1118, 1119, 1215, 1216, 1195, 1295, or 1302. Students may use AHIS 1110 (6 credits) to meet this requirement.
3. Students who complete 12 AHIS credits within a European Study Abroad Program may use these credits to satisfy all of the AHIS requirements of the Diploma in Fine Arts Program.
4. Students wanting to do further study in Fine Arts should check with the institution to which they want to transfer to determine the elective course requirements of that institution. For example, creative writing courses may not satisfy some university requirements for second-year English literature.
5. FINA 2150 and 2250 (Aesthetics and Cultural Theory) are highly recommended as university-transferable electives for students in the Fine Arts program. Depending on the receiving institution, these courses may transfer as Art History, Cultural Theory or Philosophy electives.
6. The number of Fine Art studio electives in the second year of the program is dependent upon enrolment.

## General Education

Program Type: Post-Secondary  
Diploma in General Education

The Diploma in General Education is appropriate for students who prefer a diverse selection of courses and do not necessarily plan to undertake university study. Students may select the basic requirements of at least 20 courses (minimum 60 credits) from any of the Langara College offerings that are eligible to be used for a Langara College credential. Students must choose a minimum of 6 credit hours from the offerings of the English Department.

## Geography

Department: Geography  
Division: Social Sciences  
Program Type: Arts and Science

### ASSOCIATE OF ARTS DEGREE IN GEOGRAPHY

#### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. 6 credits from following:

GEOG 1100  
GEOG 1120  
GEOG 1130  
GEOG 1150  
GEOG 1155  
GEOG 1160  
GEOG 1170

2. All of the following:

GEOG 1180  
GEOG 1190 or GEOL 1110  
ENGL 1127 or 1128  
ENGL 1129 or 1130

3. 9 credits from following:

GEOG 2155  
GEOG 2210  
GEOG 2230  
GEOG 2250  
GEOG 2270  
GEOG 2280  
GEOG 2290

## Health Sciences

Division: Mathematics and Sciences  
Division  
Department: Health Sciences  
Program Type: Arts and Science Limited  
Enrolment

#### OPTIONS

- Associate of Arts Degree in Health Sciences
- Associate of Science Degree in Health Sciences
- Diploma in Arts and Science (Health Sciences: Arts)
- Diploma in Arts and Science (Health Sciences: Science)

### ASSOCIATE OF ARTS DEGREE IN HEALTH SCIENCES

#### GENERAL INFORMATION

Health Sciences is an interdisciplinary field in which graduates with a B.A. or a B.Sc. can find careers in science, global health, or public policy, or can continue their studies in graduate school.

Students completing this Associate of Arts Degree will be prepared to continue studying at Simon Fraser University's Faculty of Health Sciences in pursuit of the B.A. in Health Sciences. Students in pursuit of the B.A. in Health Sciences may also want to consult this Calendar for the Diploma in Arts and Science (Health Science: Arts).

Students interested in pursuing SFU's B.Sc. in Health Sciences may also want to consult this Calendar for the Associate of Science Degree in Health Sciences or the Diploma in Arts and Science (Health Sciences: Sciences).

## CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

- HSCI 1130  
PHIL 1105  
STAT 1124  
ANTH 1120 or SOCI 1120  
BIOL 1115 or 1116
- One of: ENGL 1126, 1127, or 1128
- One of: ENGL 1129, 1130, or 1140
- One of: HSCI 1120, 1140, 1150, 1160, 1170, or 1180
- Four of: HSCI 2211, 2212, 2214, 2215, or 2216
- Eight courses (minimum 24 credits) of university-transferable electives (See notes 1 and 2)

### NOTES:

1. When choosing courses, students should consult the general requirements of the Associate of Arts Degree to ensure they choose a selection of courses that meet these requirements.
2. Elective courses must be chosen from the following: Anthropology, Sociology, Economics, Political Science, or Psychology. Other courses may be substituted with the approval of the Coordinator.
3. Students are advised to check with the BC Transfer Guide regarding SFU's QBW requirements.
4. Upon completion of the first year of post-secondary studies (10 courses, minimum 30 credits) students may make a formal declaration in writing to the Coordinator of Health Sciences stating their intention to pursue an Associate of Arts Degree in Health Sciences.
5. The selection of students to participate formally in the program is based on completion of 10 courses (minimum 30 credits) and a minimum 2.25 CGPA and provides priority registration in those courses needed to fulfill the associate degree requirements. Students who are not formally selected to participate in the program may still pursue an associate degree in their selected area of concentration, but they register for all required courses according to the normal registration schedule for Arts and Science students.

## ASSOCIATE OF SCIENCE DEGREE IN HEALTH SCIENCES

### GENERAL INFORMATION

Health Sciences is an interdisciplinary field in which graduates with a B.Sc. or a B.A. can find careers in science, global health, or public policy, or can continue their studies in graduate school.

Students completing this Associate of Science Degree will be prepared to continue studying at Simon Fraser University's Faculty of Health Sciences in pursuit of the B.Sc. in Health Sciences. Students may also want to consult this Calendar for the Diploma in Arts and Science (Health Sciences: Sciences) if they are in pursuit of an SFU B.Sc. in Health Sciences.

Students interested in pursuing SFU's B.A. in Health Sciences may also want to consult this Calendar for the Associate of Arts Degree in Health Sciences or the Diploma in Arts and Science (Health Sciences: Arts).

### CURRICULUM

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. BIOL 1115  
BIOL 1215  
BIOL 2315  
BIOL 2330  
BIOL 2415  
CHEM 1120  
CHEM 1220  
CHEM 2316  
CHEM 2416  
HSCI 1130  
PHYS 1101  
STAT 1124
2. One of: ENGL 1126, 1127, or 1128
3. One of: ENGL 1129, 1130, or 1140
4. One of: MATH 1171, 1173 and 1183, or 1253
5. One of: MATH 1271 or 1273 and 1283
6. One of the following streams (See note 3)
7. Two of HSCI 2211, HSCI 2212, HSCI 2214, HSCI 2215, or HSCI 2216, and minimum 6 credits of university-transferable electives (See note 1), or  
Three of HSCI 2211, HSCI 2212, HSCI 2215, or HSCI 2216, and minimum 3 credits of university-transferable electives (See note 1)

### NOTES:

1. When choosing courses, students should consult the general requirements of the Associate of Science Degree to ensure they choose a selection of courses that meet these requirements.
2. Students are advised to check with the BC Transfer Guide regarding SFU's QBW requirements.
3. SFU's Faculty of Health Science B.Sc. in Health Sciences program has two streams:
  - **Life Science Stream:** Students preparing to enter this stream are required to take two of HSCI 2211, 2212, 2214, 2215, or 2216.
  - **Population and Quantitative Health Stream:** Students preparing to enter this stream are required to take at least three of HSCI 2211, 2212, 2215, or 2216.
4. Upon completion of the first year of post-secondary studies (10 courses, minimum 30 credits) students may make a formal declaration in writing to the Coordinator of Health Sciences stating their intention to pursue an associate degree in Health Sciences.
5. The selection of students to participate formally in the program is based on completion of 10 courses (minimum 30 credits) and a minimum 2.25 CGPA and provides priority registration in those courses needed to fulfill the associate degree requirements. Students who are not formally selected to participate in the program may still pursue an associate degree in their selected area of concentration, but they register for all required courses according to the normal registration schedule for arts and science students.

## DIPLOMA IN ARTS AND SCIENCE (HEALTH SCIENCES: ARTS)

### GENERAL INFORMATION

Health Sciences is an interdisciplinary field in which graduates can find careers in science, global health, or public policy, or can continue their studies in graduate school.

When successfully completed, the general and specific requirements of this diploma will prepare students for entry into the third-year of Simon Fraser University's B.A. in Health Sciences.

Students interested in pursuing SFU's B.A. in Health Sciences may also want to consult this Calendar for the Associate of Arts Degree in Health Sciences. Students interested in pursuing SFU's B.Sc. in Health Sciences may also want to consult this Calendar for the Associate of Science Degree in Health Sciences or the Diploma in Arts and Science (Health Sciences: Science).

### CURRICULUM

Within the framework of the general requirements of the Arts and Science Diploma, students must complete at least 20 courses (minimum 60 credits) including:

- HSCI 1130
- STAT 1124
- ANTH 1120 or SOCI 1120
- One of: BIOL 1115, 1116, or 1175
- One of: HSCI 1120, 1140, 1150, 1160, 1170, or 1180
- Four of: HSCI 2211, 2212, 2214, 2215, or 2216
- Six credits of university-transferable English
- Nine courses (minimum 27 credits) of university-transferable electives

### NOTES:

1. When choosing courses, students should consult the general requirements of the Diploma in Arts and Science to ensure they choose a selection of courses that meet these requirements.
2. Students are advised to check with the BC Transfer Guide regarding SFU's QBW requirements.
3. Upon completion of the first year of post-secondary studies (10 courses, minimum 30 credits) students may make a formal declaration in writing to the Coordinator of Health Services stating their intention to pursue a Diploma in Arts and Science (Health Science: Arts).
4. The selection of students to participate formally in the program is based on completion of 10 courses (minimum 30 credits) and a minimum 2.25 CGPA and provides priority registration in those courses needed to fulfill the diploma requirements. Students who are not formally selected to participate in the program may still pursue a diploma in their selected area of concentration, but they will register for all required courses according to the normal registration schedule for Arts and Science students.

## DIPLOMA IN ARTS AND SCIENCE (HEALTH SCIENCES: SCIENCE)

### GENERAL INFORMATION

Health Sciences is an interdisciplinary field in which graduates can find careers in science, global health, or public policy, or can continue their studies in graduate school.

When successfully completed, the general and specific requirements of this diploma will prepare students for entry into the third-year of Simon Fraser University's B.Sc. in Health Sciences.

Students interested in pursuing SFU's B.A. in Health Sciences may also want to consult this Calendar for the Associate of Arts Degree in Health Sciences or the Diploma in Arts and Science (Health Sciences: Arts). Students may also want to consult this Calendar for details of the Associate of Science Degree in Health Sciences.

### CURRICULUM

Within the framework of the general requirements of the Arts and Science Diploma, students must complete at least 20 courses (minimum 60 credits) including:

- BIOL 1115
- BIOL 1215
- BIOL 2315
- BIOL 2415
- BIOL 2330
- CHEM 1120
- CHEM 1220
- CHEM 2316
- CHEM 2416
- HSCI 1130
- PHYS 1101
- STAT 1124
- Three of the following: HSCI 2211, 2212, 2214, 2215, or 2216
- Six credits of university-transferable English
- Three courses (minimum 9 credits) of university-transferable electives (See note 1)

**NOTES:**

- When choosing courses, students should consult the general requirements of the Diploma in Arts and Science to ensure they choose a selection of courses that meet these requirements.
- Students are advised to check with the BC Transfer Guide regarding SFU's QBW requirements.
- SFU's Faculty of Health Science B.Sc. in Health Sciences program has two streams:
  - Life Science Stream:** Students preparing to enter this stream are required to take two of HSCI 2211, 2212, 2214, 2215, or 2216.
  - Population and Quantitative Health Stream:** Students preparing to enter this stream are required to take at least three of HSCI 2211, 2212, 2215 or 2216
- Upon completion of the first year of post-secondary studies (10 courses, minimum 30 credits) students may make a formal declaration in writing to the Coordinator of Health Sciences stating their intention to pursue a Diploma in Arts and Science (Health Science: Science).

The selection of students to participate formally in the program is based on completion of 10 courses (minimum 30 credits) and a minimum 2.25 CGPA and provides priority registration in those courses needed to fulfill the diploma requirements. Students who are not formally selected to participate in the program may still pursue a diploma in their selected area of concentration, but they will register for all required courses according to the normal registration schedule for arts and science students.

## Human Kinetics

Department: Human Kinetics  
 Division: Health Sciences  
 Program Type: Arts and Science

**GENERAL INFORMATION**

The Human Kinetics Department offers a variety of courses to meet the different needs of the student population. The following academic program is primarily intended for those seeking to complete two years of university-transferable course work towards a degree in Human Kinetics, Physical Education or Kinesiology.

**DIPLOMA IN HUMAN KINETICS****ADMISSION REQUIREMENTS**

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

**CURRICULUM**

A student must complete at least a minimum of 60 credit hours including:

- 6 credits (2 courses) of university-transferable English
- HKIN 1103
- HKIN 1151
- HKIN 1161
- HKIN 1190
- HKIN 1191
- HKIN 2230
- HKIN 2231
- HKIN 2261
- HKIN 2275
- HKIN 2284
- 24 credits (8 courses) of Human Kinetics or university-transferable electives (See note 1)

**NOTES:**

- HKIN 1117, 1118, 1123, 1124, 2220, 2221, 2222, 2223, 2224 have a 1.5 credit assignment.
- Students are advised to consult with the institution to which they want to transfer to determine the transfer credit of the courses they want to use towards the Diploma in Human Kinetics. Students are also advised to consult with the Human Kinetics Department or the Counseling Department when selecting elective courses for the diploma.
- Students may not register for the same Human Kinetics course more than twice without receiving departmental permission.

**SAMPLE CURRICULUM****FIRST TERM (TOTAL: 15 CREDITS)**

Course No.	Credits
ENGL 1127 or 1128	3
HKIN 1100	3
HKIN 1151	3
HKIN 1161	3
1 Elective	3

**SECOND TERM (TOTAL: 15 CREDITS)**

Course No.	Credits
ENGL 1129 or 1130	3
HKIN 1103	3
HKIN 1190	3
2 Electives	6

**THIRD TERM (TOTAL: 15 CREDITS)**

Course No.	Credits
HKIN 1191	3
HKIN 2231	3
HKIN 2284	3
2 Electives	6

**FOURTH TERM (TOTAL: 15 CREDITS)**

Course No.	Credits
HKIN 2230	3
HKIN 2261	3
HKIN 2275	3
2 Electives	6

**NOTE:**

The above is a program example. Courses may be taken out of this sequence, but all of the above courses or equivalents must be completed to receive a Diploma in Human Kinetics.



## Institute

Department: Institute  
Division: Social Sciences  
Program Type: Institute

### GENERAL INFORMATION

These programs are one-semester intensive interdisciplinary programs addressing a single theme. A small cohort of students will explore the given theme through three discipline-specific studies. Institutes will be offered from time to time on campus. The exact format will vary with each program.

Recent example: The Langara Environment Institute.

## International Business Management

Department: Langara School of Management  
Division: Business and Community Programs  
Program Type: Career

### OPTION

- Bachelor of Business Administration, International Business Management Concentration (3rd-year entry only)

### ADMISSION REQUIREMENTS

Students interested in this concentration must apply to the Bachelor of Business Administration (BBA) program.

## Internet/Web Computing and Software Development

Department: Computer Science and Information Systems  
Division: Mathematics and Science  
Program Type: Arts and Science Limited Enrolment

### OPTIONS

- Certificate in Internet/Web Computing & Software Development
- Certificate in Internet/Web Computing & Software Development Co-op Internship

### GENERAL INFORMATION

The Certificate in Internet/Web Computing and Software Development (ICSD) Program is for individuals who wish to enter the information technology (IT) field. The program emphasizes Internet/web programming and provides a solid foundation of the technical side of e-business.

There are many programs that offer training in Internet/web technologies. The ICSD program is unique in that it not only teaches specific skills in network management and website design, but also focuses on software development with multimedia-intensive and platform-independent code for Internet-, intranet-, and extranet-based applications.

The ICSD program objectives are:

- To provide participants with a solid foundation in Internet/web technologies;
- To meet the needs of computing professionals who find their computing skills obsolete;
- To provide non-computing professionals (e.g., engineers) with a new career.

ICSD is a one-year (three-semester) certificate program that also offers an optional co-operative education internship term. The program is designed to give participants both an in-depth understanding of Internet/web technology and principles, and an ability to develop Internet/web-based applications.

The program courses provide a unique, integrated hands-on learning experience in the following areas: Internet technologies, operating systems, Web servers, enterprise database development, and Java, XML, SOAP, Oracle, SQL.

The ICSD certificate offers university-level, transferable courses. Many students pursue a university computer science degree after graduating. Langara College also offers both two years of university-transfer courses and an Associate of Science Degree in Computer Science.

Students gain hands-on experience in well-equipped labs using state-of-the-art computing facilities. The Computer Science Department uses three labs containing Pentium computers. A Novell Netware network provides file and printing services as well as connections to an IBM RS/6000 UNIX System and to the Internet. The program has its own lab for specialized training in hardware electronics, computer architecture, data communications and networking. Software includes programming languages (e.g., C++, Java, JavaScript), as well as advanced database and network analysis tools.

There are excellent career opportunities for ICSD graduates. Skilled and knowledgeable personnel in IT, in particular Internet/Web computing, are in high demand. Emerging e-business technologies have opened up new opportunities for IT professionals and Internet developers.

Program intakes: January, May, and September

#### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
- Within the last three years, 'C' or higher in CPSC 1150, or one year of professional computing experience.

#### NOTES:

- Students who do not meet the above English requirements may be admitted to the program as determined by the department. Students admitted with a missing admission requirement will be notified in their acceptance letter of the conditions of their acceptance, and they will be required to meet with the department to plan their program of study.
- Students not meeting the English requirement will be required to sit the LET in their first semester in the program to attempt to attain a LET with a minimum level of 3. If students do not attain the required score, they will be required to take English foundation courses. To remain in the program, students who have completed 32 program credits must have successfully completed or be eligible to take one of ENGL 1127, ENGL 1128, CMNS 1115, or CMNS 1118.
- Students admitted on a conditional basis must complete all program requirements to be eligible for graduation.
- Substitution of courses or exemptions may be made. Consult with the Department.

#### Program Requirements

- Good knowledge of the English language including the ability to write and speak clearly and to read, understand, and interpret information accurately.
- An interview with the ICSD Coordinator.

#### Program Preference

At least one year of employment experience in computer programming.

#### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

## CERTIFICATE IN INTERNET/ WEB COMPUTING AND SOFTWARE DEVELOPMENT

### CURRICULUM

Students must complete at least 10 courses (minimum 30 credits) including:

- CPSC 1030 or 1480 or 2030 or 2130
- CPSC 1160, 1181, 1220, and 1280
- CPSC 2211, 2261, 2301, 2490, and 2810

With departmental permission, substitution of CPSC 2150, 2220 and/or 2280 may be permitted in lieu of some of the above CPSC courses.

## CERTIFICATE IN INTERNET/ WEB COMPUTING AND SOFTWARE DEVELOPMENT CO- OPERATIVE INTERNSHIP

### ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Internship Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term and receive no grade less than a 'C' in any subject;
- Successfully complete an employability assessment interview with a Co-operative Education instructor;
- Complete BUSM 2300 with a "C" or higher.

Also see Co-operative Education Programs

### CURRICULUM

Students must complete at least 12 courses (minimum 36 credits) including:

- CPSC 1030 or 1480 or 2030 or 2130
- CPSC 1160, 1181, 1220, and 1280
- CPSC 2211, 2261, 2301, 2490, and 2810
- BUSM 2300
- COOP 2301

With departmental permission, substitution of CPSC 2150, 2220 and/or 2280 may be permitted in lieu of some of the above CPSC courses.

# Journalism

Division: Creative Arts  
Department: Journalism  
Program Type: Career

## OPTIONS

- Diploma in Journalism
- Certificate in Journalism
- General Information

The Journalism Program offers professional training to students planning to become practising journalists and introduces them to important aspects of the communications industry. Its goal is to provide students with the skills and knowledge necessary for entry-level jobs in journalism, either in print or in broadcasting. The program emphasizes strong writing skills, the necessary groundwork for careers in all journalism sectors.

The program is offered in two distinct patterns: the diploma stream, over four terms with a summer break in the middle; or the certificate stream over two consecutive terms.

The diploma stream aims to provide high school graduates with a combination of journalism courses and an introduction to liberal arts courses relevant to the journalist's work. The first year provides introductory and basic skills courses; the second year focuses on advanced journalism practices. Between years, students are encouraged to seek summer employment with community media outlets to gain experience. A Diploma in Journalism is awarded for successful completion of the four-term diploma stream.

The certificate stream is designed to give students with an appropriate university degree the opportunity to take specialized journalism training at high speed. This intensive, skills-oriented experience is designed to build on the student's academic background, providing the student with the tools to work as a well-informed professional journalist. The first semester focuses on introductory and basic skills courses; the second semester on advanced journalism practices. A Certificate in Journalism is awarded for successful completion of the two-term certificate stream.

The first part of the program in both streams introduces the student to basic journalism skills and the importance of journalism to the community. Focus is on news writing, journalism history, page design and layout, reporting for radio, and photojournalism. Students will also experience the life of a reporter by researching, conducting interviews, and writing stories for the program's weekly newspaper, *The Voice*, which is circulated on campus and in the surrounding community, as well as on the Web.

The second part of the program provides students with courses in advanced reporting techniques, specialty reporting, and television reporting. Students spend considerable time on off-campus assignments focusing on civic issues and the courts.

Senior students gain experience as editors of *The Voice*. This is an intensive, hands-on experience in producing a newspaper, including story planning, editing, page design, photo editing, pagination, and uploading to the Web. At this point, advanced students may have the opportunity to pursue special projects involving broadcasting, corporate communications, or magazine production. Diploma stream students, in their fourth term, spend a five-week internship in the area of their choice: community papers, dailies, radio, television, news, magazines, or corporate communications. Certificate stream students have no fieldwork requirements.

Throughout the program, with assistance from the industry, students will be introduced to reporters and editors invited to class as guest lecturers or seminar participants.

## GRADING

The Journalism Department requires that its students meet the following criteria in order to remain in and complete the program. A student must obtain a grade of no less than 'C-' in all Journalism and support courses. Any student who receives a 'D', an 'F', or withdraws from any course will not be allowed to enrol in the next semester, except with permission of the Department. Successful completion of all courses in any term is a prerequisite to continuing to the next term. A student who receives a 'D' or an 'F' or withdraws from any journalism or support course will be allowed to progress in the program only after successfully repeating the failed or incomplete course or courses.

## MATERIAL FEES

Some Journalism courses carry material fees.

## NOTE:

Be sure to check the prerequisites for Arts and Science courses that are part of the Program.

Program intake: September

**ADMISSION REQUIREMENTS**

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

**Academic Requirements**

- Completion of BC Grade 12 or equivalent. If students do not have BC Grade 12 or equivalent and they are at least 19 years of age, they may be accepted provided they have a minimum of 3 credits of university-transferable courses with a grade point average of 2.00 or higher.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

**Program Requirements**

- A high level of achievement in English and/or writing in the senior grades of secondary school or the equivalent.
- Successful completion of the Journalism Program entrance test that includes sections on English language usage, current events and news writing.
- Keyboarding skills of at least 40 wpm.
- A résumé.
- A minimum 500-word typed statement of intent indicating why students want to be a journalist and their career goals.
- An interview with journalism faculty may be required.

**Documents Required for Application Evaluation**

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).
- Résumé.
- Statement of intent.

Please refer to the program application dates in the Application for Admission section in this Calendar.

**Program Notes**

- Submission of a portfolio of students' writings or their video or audio projects is strongly recommended. Do not send originals of published materials; photocopies are acceptable. Video or audio tapes will be returned. Students may submit the portfolio with their application or at the time of their entrance tests.

**DIPLOMA PROGRAM COURSES**

Diploma students must obtain credit in all of the Journalism and academic courses below. It is permissible to take the academic courses before enrolling in the Journalism Program.

**CURRICULUM**

**FIRST TERM (TOTAL: 17 CREDITS)**

Course No.	Credits
ECON 1119	3
ENGL 1127 or 1128	3
JOUR 1120	3
JOUR 1128	3
JOUR 1188	2
POLI 1119	3

**SECOND TERM (TOTAL: 23 CREDITS)**

Course No.	Credits
ENGL 1129 or 1130	3
GEOG 1150 or HIST 1126	3
JOUR 1140	3
JOUR 1168	2
JOUR 1177	3
JOUR 1178	5
JOUR 1242	2
JOUR 1298	2

**THIRD TERM (TOTAL: 21 CREDITS)**

Course No.	Credits
JOUR 2228	2
JOUR 2278	6
JOUR 2328	1
JOUR 2418 or 2458	3
JOUR 2378	3
JOUR 2398	3
POLI 2229	3

**FOURTH TERM (TOTAL: 17 CREDITS)**

Course No.	Credits
JOUR 2358	3
JOUR 2430	3
JOUR 2488	2
JOUR 2459 or 2469	6
JOUR 2467 or 2468	3

**ADMISSION REQUIREMENTS**

**Academic Requirements**

- A university degree in a field judged by the Journalism Department to be useful for journalism. Persons lacking a degree but with substantial academic achievement combined with a demonstrated interest or limited experience in journalism may be admitted by permission of the Journalism Department.

**Program Requirements**

- A high level of achievement in English and/or writing in students' previous academic works.
- Successful completion of the Journalism Program entrance test that includes sections on English language usage, current events and news writing.
- Keyboarding skills of at least 40 wpm.
- A résumé.
- A minimum 500-word typed statement of intent indicating why they want to be a journalist and their career goals.
- An interview with journalism faculty may be required.

**Documents Required for Application Evaluation**

(Applications will not be considered until all documents have been received.)

- Completed application form.
- Official transcript(s).
- Résumé.
- Statement of intent.

**Application and Supporting Documents Deadline**

- Application may be submitted up to April 30 for September intake. Late applications will be accepted if space is available.

**Program Notes**

- Submission of a portfolio of students' writings or their video or audio projects is strongly recommended. Do not send originals of published materials; photocopies are acceptable. Video or audio tapes will be returned. Students may submit the portfolio with their application or at the time of their entrance tests.
- Experience in a school newspaper or similar media is an asset.

**CURRICULUM**

**FIRST TERM (TOTAL: 23 CREDITS)**

COURSE NO.	CREDITS
JOUR 1120	3
JOUR 1128	3
JOUR 1140	3
JOUR 1168	2
JOUR 1177	3
JOUR 1178	5
JOUR 1188	2
JOUR 1298	2

**SECOND TERM (TOTAL: 21 CREDITS)**

Course No.	Credits
JOUR 2228	2
JOUR 2278	6
JOUR 2328	1
JOUR 2358	3
JOUR 2378	3
JOUR 2398	3
JOUR 2418 or 2458	3

**Latin American Studies**

Department: Interdisciplinary Studies  
 Division: Humanities  
 Program Type: Arts and Science

**OPTIONS**

- Associate of Arts Degree in Latin American Studies
- Diploma in Arts and Science (Latin American Studies)

**GENERAL INFORMATION**

The Latin American Studies Program explores geographically and culturally diverse region of Latin America and its rich history and contemporary significance. In a globalizing world in which our societies and economies are increasingly intertwined and interdependent, there is growing demand for people with such international knowledge and understanding. Introductory core courses are team taught by instructors from different backgrounds and focus on the history, culture, and political economy of Latin America. Elective courses can be selected from a range of disciplines.

The Latin American Studies Program provides students with a broad background and basic knowledge that can be applied to a variety of work opportunities in Canada or abroad, such as working with NGOs, social work and/or community development groups, or international business. Students may also transfer the diploma or associate degree to university in order to pursue a bachelor's degree in Latin American Studies or in a related discipline.

**ASSOCIATE OF ARTS DEGREE IN LATIN AMERICAN STUDIES**

**CURRICULUM**

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following courses:
  - ENGL 1127 or 1128
  - ENGL 1129 or 1130
  - LAMS 1100 and 1101
  - LAMS 1105 (lecture series – attendance required)
  - SPAN 1115 (or equivalent proficiency)
2. At least four of the following courses with significant Latin American content:
  - ANTH 1160, 2230
  - AHIS 1117
  - ECON 1120
  - ENGL 2234, 2237 (check with program co-ordinator)
  - GEOG 2270 \*
  - LAMS 2203, 2204, 2206, 2221

POLI 1250 \*, 2240 \*

Any one of:

SPAN 1118, 1205, 1215, 1218, 2119, 2219, 2301, 2401

(only one Spanish course may be counted among the minimum four courses with significant Latin American content, but students are encouraged to include more Spanish courses among their electives. A student who already has credit for SPAN 1115 and 1215 or equivalent proficiency may substitute two second-year courses for them.)

WMST 1195 (check with program co-ordinator)

\* Only sections with significant Latin American content may be counted towards an Associate of Arts Degree with a concentration in Latin American Studies.

3. Any course taken as an integral part of a Latin American Studies field studies program will count toward the Latin American Studies concentration.

## DIPLOMA IN ARTS AND SCIENCE (LATIN AMERICAN STUDIES)

### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 60 credits) including:

1. ENGL 1127 or 1128  
ENGL 1129 or 1130  
LAMS 1100 and 1101  
LAMS 1105 (lecture series – attendance required)  
SPAN 1115 (or equivalent proficiency)
2. At least four of the following courses with significant Latin American content:  
ANTH 1160, 2230  
AHIS 1117  
ENGL 2234, 2237 (check with program co-ordinator)  
ECON 1120  
GEOG 2270 \*  
LAMS 2203, 2204, 2206, 2221  
POLI 1250\*, 2240\*  
One of:  
SPAN 1118, 1205, 1215, 1218, 2119, 2219, 2301, 2401  
(NOTE: Only one Spanish course may be counted among the minimum four courses with significant Latin American content, but students are encouraged to include more Spanish courses among their electives. A student who already has credit for SPAN 1115 and 1215 or equivalent proficiency may substitute two second-year courses for them.)  
WMST 1195 (check with program co-ordinator)

3. Any course taken as an integral part of a Latin American Studies field studies program will count toward the Latin American Studies concentration.

\* Only sections with significant Latin American content may be counted towards the diploma.

## Leisure Studies

Department: Human Kinetics

Division: Business and Community Programs

Program Type: Arts and Science

### GENERAL INFORMATION

The following academic diploma is intended primarily for those seeking to complete two years of university-transfer course work towards a degree in Recreation, Leisure, and Sport Studies.

This diploma from the Department of Human Kinetics does not by itself transfer to other colleges and universities. The individual courses taken to fulfill the requirements of this diploma must be assessed for their transfer credit status. Students are responsible to check with the institutions to which they want to attend to determine the transferability of courses.

Program intakes: January, May, and September

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

## DIPLOMA IN LEISURE STUDIES

### CURRICULUM

A student must complete at least 20 courses (minimum 60 credits) including:

1. RECR 1160 and HKIN 1161
2. 9 credit hours from other Recreation courses numbered RECR 1160 to 2470, excluding Recreation Portfolio and Internship courses.
3. 18 to 24 credit hours from other HKIN or RECR courses, excluding Recreation Portfolio and Internship courses.
4. 21 to 27 credit hours from non-Human Kinetics and non-Recreation (HKIN and RECR) electives, including at least 6 credit hours in English and at least 9 credit hours from the Social Sciences.

### Sample Curriculum

#### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
RECR 1160	3
RECR 1162	3
RECR 1170	3
BCAP 1200	3
ENGL 1127	3

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
RECR 1165	3
RECR 1168	3
PSYC 2317	3
ENGL 1129	3
HKIN 1161	3

#### THIRD TERM (TOTAL: 16 CREDITS)

RECR 2260	3
RECR 2356	2
RECR 2357	2
RECR 2470	3
RECR 2471	3
BUSM 1100	3

#### FOURTH TERM (TOTAL: 15 CREDITS)

SOCI 1120	3
PSYC 1115	3
HKIN 2252	3
Two other university-transfer electives	6

Human Kinetics and Recreation courses that presently receive transfer credit to SFU, UBC, UNBC, and UVic may be used to fulfill the elective course requirements for diplomas or associate degrees in Arts and Science.

# Library & Information Technology

Department: Library & Information Technology

Division: Business and Community Programs

Program Type: Career

## OPTIONS

- Diploma in Library & Information Technology
- Library & Information Technology (Flexible Participation Option)
- Library & Information Technology (BBA Transfer Option)

## GENERAL INFORMATION

The two-year, four-term Diploma in Library & Information Technology Program has been developed in accordance with the recommendations made by the Canadian Library Association Committee on Library Technicians (Role and Education). The program prepares students for para-professional duties in libraries. Students will spend more than one-half of their time learning library and related business techniques. Some of the program's courses are transferable to universities.

Library course work involves lectures, field trips, field work and workshops. The program's two practicums occur in April and May; the first-year practicum is two weeks long and the second year practicum is four weeks long. The field work experience exposes you to the realities of the job and to potential employers.

Langara College's Diploma in Library & Information Technology is recognized across Canada. Graduates of the program are currently employed in a wide range of libraries and information services: in public libraries; in libraries associated with universities, colleges and schools; and in public institutions, business, government and special libraries. Graduates may also work for companies supporting information-based software programs and resources. Library & Information Technicians usually work under professional librarians except in smaller libraries where they might work alone. Graduates may be required to catalogue, issue and receive a host of library holdings: books, film, pictures, maps, computer files, and sound recordings. They must know how to locate specialized materials and maintain library collections. Graduates can also expect to become involved with public programs, library tours and children's

programs, or provide technical support to the library or information centre patrons.

Library & Information Technicians should enjoy people, books and information organization. A permanent interest in learning is characteristic of the most effective library workers. There is a need for accuracy and attention to detail while in the program and throughout their working career. Graduates must have a minimum keyboarding speed of 45 wpm using a word processor.

Program intakes:

- Regular program - September
- Flexible Participation Option - January, May, and September
- BBA Transfer Option - September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Program Requirements

- Good knowledge of the English language and the ability to speak and write clearly and correctly.
- Testing that includes completion of several short essays that provide evidence of good written communication skills and familiarity with the library community and field, and a filing activity that demonstrates an aptitude for following written rules and performing typical library procedures.
- An interview conducted by program faculty in which the student's communication skills and knowledge of the library and information field will be assessed.

- Two current letters of reference attesting to the student's abilities in an academic or employment setting.
- Demonstrated emotional maturity and an affinity for working with people.

### Program Preferences

- Minimum keyboard speed of 30 wpm is strongly recommended.
- Familiarity with basic computer operations (file management, document creation, etc.) is strongly recommended.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission.
- Official transcript(s).
- Two current letters of reference.
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

### Program Notes

- On a space-available basis, students may be considered for admission to the program for studies on a part-time basis. A minimum commitment of two core program (LIBR) courses and one support course per term is required for consideration for this status.

## DIPLOMA IN LIBRARY & INFORMATION TECHNOLOGY

### CURRICULUM

To graduate, in addition to completing the following curriculum, students must provide recognized and official documentation to the Registrar's Office proving their ability to keyboard a corrected speed of 45 wpm. Students without 45 wpm will be provided with suggestions on how to improve their skills and how to obtain the documentation required. Students with the keyboarding skills may consult with the department regarding appropriate documentation. All students are encouraged to meet this requirement in the first year of their studies.

(Total 61 credits)

**FIRST TERM (TOTAL: 15 CREDITS)**

Course No.	Credits
LIBR 1111	3
LIBR 1118	3
LIBR 1120	3
BCAP 1200	3
CMNS 1118	3

**SECOND TERM (TOTAL: 12 CREDITS)**

Course No.	Credits
LIBR 1219	3
LIBR 1228	3
LIBR 2410 or any LIBR Special Topics course	3
One university-transferable arts and science course: See note 1	3

**THIRD TERM (TOTAL: 16 CREDITS)**

Course No.	Credits
LIBR 2328	3
LIBR 2411	4
LIBR 2418	3
ENGL 1127 or 1128	3
One university-transferable arts and science course: See note 1	3

**FOURTH TERM (TOTAL: 18 CREDITS)**

Course No.	Credits
LIBR 2315	3
LIBR 2416	3
LIBR 2419	3
LIBR 2410 or any LIBR Special Topics course	3
BUSM 1100, 1115, 1200, or 2200	3
One university-transferable arts and science course: See note 1	3

**NOTES**

1. Students may take any three university-transferable social science, humanities, or science courses to meet their arts and science elective requirements. Recommended courses are:
  - Courses with content in Canadian history and political science
  - Computing systems or web development courses, such as BCAP 3200 or CSIS 2500, and CPSC 1030.
  - Aboriginal Studies courses (not including seminar courses).
2. Students in the Library Information Technology Diploma Program must achieve a minimum grade of 'C-' (or an 'S' in courses graded S/U) in all courses required for the program in order to receive the Diploma in Library Information Technology.
3. Be sure to check the prerequisites for the arts and science courses that are part of the program.

**LIBRARY & INFORMATION TECHNOLOGY  
(FLEXIBLE PARTICIPATION OPTION)**

**GENERAL INFORMATION**

The flexible participation option is a distance education option for students in the Library & Information Technology program. Selected courses will be offered in each semester (Spring, Summer, and Fall). Flexible Participation Option program students must have a minimum participation of 3 LIBR credits (one course) in each of two semesters annually, including their first two terms of studies. Students may take up to 16 program credits in any semester.

A limited selection of courses will be offered in each semester. There is no guarantee that a specific course will be offered in any specific semester or year. Students who wish to complete the diploma within three years are advised to take courses in the semester in which they are scheduled.

**CURRICULUM**

To graduate, in addition to completing the following curriculum, students must provide recognized and official documentation to the Registrar's Office proving their ability to keyboard a corrected speed of 45 wpm. Students without 45 wpm will be provided with suggestions on how to improve their skills and how to obtain the documentation required. Students with the keyboarding skills may consult with the department regarding appropriate documentation. All students are encouraged to meet this requirement in the first year of their studies.

(Total 61 credits)

**Course No. Credits**

LIBR 1111	3
LIBR 1118	3
LIBR 1120	3
LIBR 1219	3
LIBR 1228	3
LIBR 2315	3
LIBR 2328	4
LIBR 2418	3
LIBR 2411	3
LIBR 2416	3
LIBR 2419	3
Two Special Topics courses chosen from: LIBR 2410 or any Library Special Topics courses	6

**REQUIRED SUPPORT COURSES**

**Course No. Credits**

CMNS 1118	3
ENGL 1127 or 1128	3
BCAP 1200	3
BUSM 1100, 1115, 1200, or 2200	3
Three university-transferable arts and science courses: See note 1	9

**NOTES**

1. Students may take any three university-transferable social science, humanities, or science courses to meet their arts and science elective requirements. Recommended courses are:
  - Courses with content in Canadian history and political science
  - Computing systems or web development courses, such as BCAP 3200 or CSIS 2500, and CPSC 1030.
  - Aboriginal Studies courses (not including seminar courses).
2. Students in the Library Information Technology Diploma Program must achieve a minimum grade of 'C-' (or an 'S' in courses graded S/U) in all courses required for the program in order to receive the Diploma in Library Information Technology.
3. Be sure to check the prerequisites for the arts and science courses that are part of the program.



## LIBRARY & INFORMATION TECHNOLOGY (BBA TRANSFER OPTION)

### GENERAL INFORMATION

Students choosing the BBA Transfer option will complete specific electives that will enable them to transfer directly to third year of Langara's Bachelor of Business Administration program providing they meet the minimum cumulative GPA requirements for admission to third year of the degree. ECON 1220 or ECON 1221, normally a required bridging course for entry to third year of this degree, must be completed during the third year if not previously completed.

### CURRICULUM

To graduate, in addition to completing the following curriculum, students must provide recognized and official documentation to the Registrar's Office proving their ability to keyboard a corrected speed of 45 wpm. Students without 45 wpm will be provided with suggestions on how to improve their skills and how to obtain the documentation required. Students with the keyboarding skills may consult with the department regarding appropriate documentation. All students are encouraged to meet this requirement in the first year of their studies.

(Total 64 credits)

#### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
LIBR 1111	3
LIBR 1118	3
LIBR 1120	3
BCAP 1200	3
CMNS 1118	3

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
LIBR 1219	3
LIBR 1228	3
LIBR 2410 or any LIBR Special Topics course	3
BUSM 1100	3
MARK 1115	3

#### THIRD TERM (TOTAL: 16 CREDITS)

Course No.	Credits
LIBR 2328	3
LIBR 2411	4
LIBR 2418	3
ENGL 1127 or 1128	3
MATH 1119	3

#### FOURTH TERM (TOTAL: 18 CREDITS)

Course No.	Credits
LIBR 2315	3
LIBR 2416	3
LIBR 2410 or any LIBR Special Topics course	3
LIBR 2419	3
FMGT 1116	3
STAT 1123	3

## Management Information Systems

Department: Computing Science and Information Systems

Division: Mathematics and Sciences

Program Type: Arts and Science Limited

Enrolment

### OPTIONS

- Diploma in Management Information Systems
- Diploma in Management Information Systems Co-operative Education

### GENERAL INFORMATION

Langara College's two-year Diploma in Management Information Systems

Program prepares students for employment opportunities in information systems and business technology fields. Students may have the option to continue to a university degree in related fields if they meet all the requirements of the accepting university. The program emphasizes the development of a strong business management foundation in addition to building skill sets pertaining to Information Systems Analysis required by the industry.

The Co-operative Education option provides interested students with an opportunity to combine academic development with two terms of paid industry experience. Students wanting to participate in the co-op option must have above-average academic grades and demonstrate potential for success in their chosen professional field. Work terms are four months in duration, and students earn wages comparable to those of regular entry-level employees with similar skills engaged in similar work.

Program intakes: January, May, and September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
- A minimum score of 70 on the Langara College Mathematics Diagnostic Test written within the last year or 'C' or higher grade in Principles of Mathematics 12.

### NOTE:

- Students who do not meet the above English or Mathematics requirements may be admitted to the program as determined by the department. Students admitted with a missing admission requirement will be notified in their acceptance letter of the conditions of their acceptance, and they will be required to meet with the department to plan their program of study.
- Students not meeting the English requirement will be required to sit the LET in their first semester in the program to attempt to attain a minimum level of 3 on the LET. If students do not attain the required score, they will be required to take English foundation courses. To remain in the program, students who have completed 32 program credits must have successfully completed or be eligible to take one of ENGL 1127, ENGL 1128, CMNS 1115, or CMNS 1118.

- Students not meeting the Mathematics requirement will be required to attain the appropriate Math Diagnostic Test (MDT) score or obtain permission of the Mathematics/Statistics Department to allow them to register into the required Mathematics/Statistics courses in the program. If students do not attain the required score, they will be required to take mathematics foundation courses.
- Students admitted on a conditional basis must complete all program requirements to be eligible for graduation.
- Substitution of courses or exemptions may be made. Consult with the Department

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).
- Mathematics Diagnostic Test (if applicable).
- Application and Supporting Documents Deadline

Please refer to the program application dates in the Application for Admission section in this Calendar.

## DIPLOMA IN MANAGEMENT INFORMATION SYSTEMS

### CURRICULUM

Students must complete at least 20 courses (minimum 60 credits) including:

BUSM 1100  
BUSM 1115  
BUSM 1200  
BUSM 1500  
BUSM 2200  
CPSC 1000\*  
CPSC 1030  
CPSC 1220  
CPSC 1480  
CSIS 1300  
CSIS 1310  
CSIS 1410  
CSIS 2302  
CSIS 2500  
FMGT 1116  
MARK 1115  
MATH 1118

One of the following: CPSC 1040, 1150, 1155

Two of the following: CMNS 1115, 1118, 2228;  
ENGL 1127, 1128, 1129, 1130, 1140

\*Students may not use BCAP 1200 as a substitute for CPSC 1000.

## DIPLOMA IN MANAGEMENT INFORMATION SYSTEMS CO-OPERATIVE EDUCATION

Students who wish to participate in this option must maintain above-average academic standing and demonstrate potential for success in their chosen professional field.

Two work terms (minimum of 360 hours) need to be completed for a Co-op designated diploma. Work terms may be done back to back. Employers provide the Co-operative Education Officers with job descriptions to be posted. Students submit their resumes via the Co-operative Education Officer who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant in self-marketing to source their co-op work placements.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

### ADMISSION REQUIREMENTS

To be admitted and participate in the Co-operative Education Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term and receive no grade less than a 'C' in any subject;
- Successfully complete an employability assessment interview with a Co-operative Education instructor; and
- Complete BUSM 2300 with a 'C' or higher.

### CURRICULUM

Students must complete at least 23 courses (minimum 69 credits) including:

- BUSM 1100
- BUSM 1115
- BUSM 1200
- BUSM 1500
- BUSM 2200
- BUSM 2300
- COOP 2301
- COOP 2501
- CPSC 1000\*
- CPSC 1030
- CPSC 1220
- CPSC 1480
- CSIS 1300
- CSIS 1310
- CSIS 1410
- CSIS 2302
- CSIS 2500
- FMGT 1116
- MARK 1115
- MATH 1118

One of the following: CPSC 1040, 1150, 1155

Two of the following: CMNS 1115, 1118, 2228;

ENGL 1127, 1128, 1129, 1130, 1140

\*Students may not use BCAP 1200 as a substitute for CPSC 1000.

### NOTE:

Be sure to check the prerequisites for the Arts and Science courses which are part of the Program.

Also see Co-operative Education Programs.

## Marketing Management

Department: Langara School of Management

Division: Business and Community Programs

Program Type: Career

### OPTIONS

- Diploma in Marketing Management
- Diploma in Marketing Management Co-operative Education
- Bachelor of Business Administration, Marketing Management Concentration

### GENERAL INFORMATION

This two-year, career-oriented diploma program prepares students for careers in general marketing, sales, advertising, retailing, distribution and customer service fields. The program focuses on the principles and practices of marketing in communications, promotions, business research, and marketing's role in different types of profit and non-profit organizations.

It combines practical hands-on course work with a good foundation in theoretical marketing and general business concepts including courses in Accounting, Marketing Communications Design, Research Methods in Business, Advertising, Selling Skills, Integrated Marketing Communications, Organizational Behaviour, Business Presentation Skills, Law, and courses such as Economics, English, Communications, and Mathematics of Business.

Graduates of this program who meet the minimum academic entrance requirements will be able to ladder into the third year of the Bachelor of Business Administration Program.

The Diploma in Marketing Management is designed so that students can choose to change their focus of studies within the first year and transfer into the Business Management Program.

Applicants are encouraged to apply for the Co-operative Education option during their first term in the program.

Program intakes: September, January, and May.

### ADMISSION REQUIREMENTS

Students interested in this program must apply to the Bachelor of Business Administration (BBA) Program in the Langara School of Management. A Diploma in Marketing Management is awarded upon completion of appropriate courses within the first two years (60 credits) of the BBA program. Please see the Business Administration (BBA) program information for admission requirements.

### DIPLOMA IN MARKETING MANAGEMENT

#### CURRICULUM

To obtain a Diploma in Marketing Management, students will be required to attain 60 or 63 credits as described below:

All of the following: (Total: 60 or 63 credits)

Course No.	Credits
BCAP 1200	3
BUSM 1100	3
BUSM 1285	3
BUSM 1500	3
BUSM 2200	3
BUSM 2300*	3
CMNS 1118	3
ECON 1220 or ECON 1221	3
ENGL 1127 or ENGL 1128	3
FMGT 1116	3
MARK 1115	3
MARK 1200	3
MARK 2000	3
MARK 2100	3
MARK 2400	3
MARK 2430	3
MATH 1118 or MATH 1119	3
STAT 1123	3
One Business Elective	3

chosen from:

- Any BCAP course (except BCAP 0012 and BCAP 1112)
- Any BUSM course (except BUSM 2300)
- Any INTB course
- Any FMGT course
- Any MARK course

Two General Education Electives 6

A general education elective is defined to be any course in a subject area other than BCAP, BUSM, COOP, FMGT, INTB or MARK that has assigned or unassigned transfer credit at UBC, SFU, UVic or UNBC.

With prior written approval of the Business Management Department, another relevant course other than those listed above may be used as an elective.

\* BUSM 2300 is a compulsory course for

students wanting to do the Co-op Option and highly recommended for all other program students.

**NOTE:**

Students are advised to review individual course descriptions for prerequisites. Not all courses will be offered in every semester; students should take care and consult with the Department when planning their course schedule.

**DIPLOMA IN MARKETING MANAGEMENT CO-OPERATIVE EDUCATION**

Students who wish to participate in this option must maintain above-average academic standing and demonstrate potential for success in their chosen professional field.

Usually, four-month (minimum 360 hours) work terms are scheduled for the third and fifth terms of the program. Two work terms need to be completed for a Co-op designated diploma. Employers provide the Co-op instructors with job descriptions to be posted. Students submit their resumes via the Co-op instructor, who will submit the package to the employer and arrange job interviews. Students are also strongly encouraged to start building their professional network and be an active participant in self-marketing to source their co-op work placements.

Employers make the hiring decisions and establish the working conditions, salary and benefits. The Co-operative Education option has proven to be of great benefit to students. Students have the opportunity to apply their knowledge, to develop skills in a practical work setting, and to gain related experience before commencing their professional careers.

**ADMISSION REQUIREMENTS**

To be admitted and participate in the Co-operative Education Option, students must:

- Be enrolled in 3 or more program courses (minimum 9 credits), not including BUSM 2300;
- Achieve and maintain a minimum GPA of 2.6 in each term and receive no grade less than a 'C' in any subject;
- Successfully complete an employability assessment interview with a Co-op instructor; and
- Complete BUSM 2300 with a 'C' or higher.

Also see Co-operative Education Programs

**CURRICULUM**

To obtain a Diploma in Marketing Management Co-operative Education, students will be required to attain 69 credits as described below:

All of the following: (Total: 63 credits)

<b>Course No.</b>	<b>Credits</b>
BCAP 1200	3
BUSM 1100	3
BUSM 1285	3
BUSM 1500	3
BUSM 2200	3
BUSM 2300	3
CMNS 1118	3
ECON 1220 or ECON 1221	3
ENGL 1127 or ENGL 1128	3
FMGT 1116	3
MARK 1115	3
MARK 1200	3
MARK 2000	3
MARK 2100	3
MARK 2400	3
MARK 2430	3
MATH 1118 or MATH 1119	3
STAT 1123	3

One Business Elective 3  
 chosen from:  
 Any BCAP course (except BCAP 0012 and BCAP 1112)  
 Any BUSM course (except BUSM 2300)  
 Any INTB course  
 Any FMGT course  
 Any MARK course

Two General Education Electives 6  
 A general education elective is defined to be any course in a subject area other than BCAP, BUSM, COOP, FMGT, INTB or MARK that has assigned or unassigned transfer credit at UBC, SFU, UVic or UNBC.

With prior written approval of the Business Management Department, another relevant course other than those listed above may be used as an elective.

**WORK TERM 1 (TOTAL: 3 CREDITS)**

<b>Course No.</b>	<b>Credits</b>
COOP 2301	3

**WORK TERM 2 (TOTAL: 3 CREDITS)**

<b>Course No.</b>	<b>Credits</b>
COOP 2501	3

**NOTE:**

Students are advised to review individual course descriptions for prerequisites. Not all courses will be offered in every semester; students should take care and consult with the Department when planning their course schedule.

**Mathematics**

Department: Mathematics  
 Division: Mathematics and Sciences  
 Program Type: Arts and Science

**OPTIONS**

- Associate of Arts Degree in Mathematics
- Associate of Science Degree in Mathematics
- Associate of Arts Degree in Mathematics

**CURRICULUM**

1. Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including: MATH 1171; or 1173 and 1183; or 1153 and 1253  
 MATH 1271; or 1273 and 1283  
 MATH 2362  
 MATH 2371  
 MATH 2373  
 MATH 2471  
 MATH 2475  
 MATH 2365 or 2485 (See note 1)  
 STAT 1181  
 STAT 2281  
 CPSC 1150  
 CPSC 1181  
 CPSC 2190 or 1160 (See note 2)  
 ENGL 1127 or 1128  
 ENGL 1129 or 1130 or 1140
2. Lab-science Elective
3. Social Science Electives
4. Humanities Electives

**NOTES:**

1. SFU requires MATH 2365
2. SFU requires CPSC 2190; UBC requires CPSC 1160

## ASSOCIATE OF SCIENCE DEGREE IN MATHEMATICS

### CURRICULUM

1. Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including: MATH 1171; or 1173 and 1183; or 1153 and 1253  
MATH 1271; or 1273 and 1283  
MATH 2362  
MATH 2371  
MATH 2373  
MATH 2471  
MATH 2475  
MATH 2365 or 2485 (See note 1)  
STAT 1181  
STAT 2281  
CPSC 1150  
CPSC 1181  
CPSC 2190 or 1160 (See note 2)  
ENGL 1127 or 1128  
ENGL 1129 or 1130 or 1140
2. Lab-science Elective
3. Science Electives
4. Arts Electives

### NOTES:

1. SFU requires MATH 2365
2. SFU requires CPSC 2190; UBC requires CPSC 1160

## Nursing

Department: Nursing  
Division: Health Sciences  
Program Type: Degree

### GENERAL INFORMATION

The Langara College Nursing Department offers a Bachelor of Science in Nursing using the Collaborative Curriculum, revised May 2004. Upon completion of the program, students are eligible to write the Canadian Registered Nurse Exam (CRNE).

The Nursing Department offers a bridge-in option to Term 4 for Licensed Practical Nurses and Registered Psychiatric Nurses. Please see the Nursing Transition Program section of this Calendar for more details.

Please note, as the program continues to evolve, the information presented on the College website and in the College Calendar is subject to change.

### Purpose of the Program

The Langara College Nursing Program provides students with a broad base of knowledge and skills to practice nursing in today's and tomorrow's complex health care system. With a focus on caring and health promotion, students learn to work with individuals, families, communities, and health professionals in a variety of practice settings. The program assists students to develop sensitivity to people's experiences with health and healing. Educational methods emphasize student and faculty interactions and individual learning processes.

### Program Goals

A graduate of the program will:

1. Practice nursing with a health promotion perspective and an ethic of caring within a variety of contexts and with a diverse client population;
2. Be an independent, self-directed, self-motivated, and life-long learner with a questioning mind and a familiarity with inquiry approaches to learning;
3. Be self-reflective, self-evaluative, accountable, and make clinical judgments based on different ways of knowing, including critical thinking, intuition, research, and evaluation;
4. Create and influence the future of nursing practice at a political, social, and professional level by responding to and anticipating the changing needs of society; and
5. Be prepared to meet the professional practice requirement as identified by the College of Registered Nurses of British Columbia.

Program intakes: January and September

## BACHELOR OF SCIENCE IN NURSING PROGRAM

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for admission and application to Langara College Programs.

Applicants must declare all courses previously taken at other institutions and supply all required documents and official transcripts.

### Academic Requirements

Applicants must satisfy admission requirements via the criteria outlined in Route A or Route B below.

### ROUTE A

Applicants must satisfy requirements in each of five subject areas (English, Biology, Chemistry, Mathematics, and a third Science). A combination of secondary and post-secondary coursework will be acceptable.

### Note:

Students graduating under the B.C. 2004 Graduation Program requirements must write the Provincial Examination for B.C. English 12. Students graduating under the B.C. 1995 Graduation Program requirements, must write Provincial Examinations for all provincially examinable Grade 12 courses. Courses taken under the B.C. 1995 Graduation Program will not be accepted without completion of the provincial exam.

### English Requirement

- English 12 - minimum 'A'
- Or LET 5
- Or LPI 5 or 6
- Or English 12 - minimum 'B' and LET 4 or LPI 4 (26 on the essay)
- Or Langara's English 1127 or equivalent - minimum 'C'.
- Or a university-transferable English course for which Langara College awards credit - minimum 'C'.

Note: The use of an oral English language test is under review

### Biology Requirement

- Biology 12 - minimum 'C+'
- Or a full first-year university-transferable biological science that includes a lab component - minimum 'C'. If there are two components to a full first-year course, a minimum grade of 'C' is required in each component.

### Chemistry Requirement

- Chemistry 11 - minimum 'C+'
- Or Chemistry 12 - minimum 'C'
- Or Langara's Chemistry 1114 or equivalent - minimum 'C'
- Or 3 credits university-transferable Chemistry – minimum 'C'
- Or Langara's Chemistry Diagnostic Test - Level 118

### Math Requirement

- Principles of Math 11 - minimum 'C'
- Or Principles of Math 12 - minimum 'C'
- Or Langara's Math 1101 – 'S' (Satisfactory)
- Or 3 credits of university-transferable Math – minimum 'C'
- Or Langara's Math Diagnostic Test – Level 60

### Third Science Requirement

Note: The third science course must be a different course from those used to meet the Biology and Chemistry requirements above.

- Biology 11 - minimum 'C'
- Or Biology 12 - minimum 'C'
- Or Chemistry 11 - minimum 'C'
- Or Chemistry 12 - minimum 'C'
- Or Geography 12 - minimum 'C'
- Or Geology 12 - minimum 'C'
- Or Physics 11 - minimum 'C'
- Or Physics 12 - minimum 'C'
- Or Langara Physics 1114 - minimum 'C'
- Or a minimum of 3 credits of university-transferable science - minimum 'C'. (Acceptable subject areas include Physics, Chemistry, Geography, Geology, Biology, and Astronomy.)

### ROUTE B

An applicant holding a Bachelor's or higher-level degree from a recognized Canadian post-secondary institution, in an appropriate field as determined by the Nursing Department and meeting the program English requirement (see below) will be considered as having met the program admission requirements. An official transcript indicating the degree awarded must be submitted. The English requirement may be satisfied by one of the following methods:

- English 12 - minimum 'A'
- Or LET 5
- Or LPI 5 or 6
- Or English 12 - minimum "B" and LET 4 or LPI 4 (26 on the essay)
- Or a university-transferable English course for which Langara College awards credit - minimum 'C'.

### Notes:

1. As of the Fall Semester 2010 university-transferable courses used to satisfy admission and program requirements must be completed with a minimum 'C+' grade.
2. If applicants are transferring a university course that is equivalent to Biology 1190, the course will not be accepted by the Nursing Department unless a course equivalent to Biology 1191 is also transferred to Langara College from the same institution.

### Program Requirements

Upon provisional acceptance to the BSN program, additional program requirements need to be completed prior to receiving the final acceptance.

These include:

1. A complete and current Immunization and Communicable Disease Form
  - Proof of immunizations and TB Screening are required for students' safety and for the protection of individuals, families, and groups that they will encounter during their program of studies. The Immunization and Communicable Disease Form must be completed and returned to the Nursing Department (see acceptance letter for submission deadlines) once students have been notified of their acceptance to the program.
  - A Tetanus-Diphtheria (TD) Vaccine, Pertussis Vaccine, Polio Vaccine, Red Measles, Mumps, and Rubella (MMR) Vaccine, Hepatitis B Vaccine, Varicella Vaccine are required.
  - A Tuberculosis Screening skin test is required.
  - An annual Flu Vaccine is highly recommended.
  - Please note that practice placements can refuse individual students if proof of Immunization and Tuberculosis Screening is not provided, which can potentially influence progress in the Nursing Program.
2. Current CPR certification at the Basic Level C with AED and a Standard First Aid Certificate
  - In Term 1, the first semester of the BSN program, students will be required to show evidence of having these certificates. Once in the BSN program, students will need to show proof of a current CPR Level C with AED certificate each term.
  - Practice placements can refuse individual students if proof of CPR is not provided, which can potentially influence progress in the BSN program.
3. Acceptable Criminal Record Search
  - Students will be notified of the process and deadlines upon acceptance to the program. If students have any questions about the criminal record search, they are advised to contact the Nursing Department. If they have any questions about criminal records and eligibility for licensure, they are advised to directly contact the College of Registered Nurses of British Columbia (CRNBC).

In Term 1, the first semester of the BSN program, students will be required to be fit tested. Arrangements will be made by the Nursing Department to fit test students during the first week of the semester.

Please note that practice placements can refuse individual students if proof of mask fit testing has not been completed, which can potentially influence progression.

#### Program Notes

- The Bachelor of Science in Nursing Program is physically and emotionally rigorous. Students must demonstrate that they can meet the competencies and standards outlined in the College of Registered Nurses of British Columbia's (CRNBC) document entitled "Becoming a Registered Nurse in British Columbia: Requisite Skills and Abilities". This document can be viewed here.
- Upon completion of their nursing program, students are required to meet the current professional nursing practice requirements as outlined by CRNBC. These documents can be viewed here.
- If students have any concerns about existing health challenges that could limit their ability to fully participate in the BSN program, they are advised to contact the Nursing Department.
- All costs and associated updates of immunization and TB screening, CPR certification, and Criminal Record Search while in the BSN program are the responsibility of the student.
- Students will be directly involved with clients in hospital and community agencies that may require evening and/or weekend work. Students are responsible for transportation and other expenses incurred during practice experiences.

#### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission.
- Official transcript(s) from all educational institutions attended.
- LET or LPI scores (if applicable).

#### Documents Deadline

As there are two program intakes per year, there is no deadline by which applications must be received. The Nursing Program currently has a wait list of students whose applications are considered complete and who are awaiting review of their application for admission. Completed applications are reviewed for admission on a first-come, first-served basis; therefore, students are advised to provide all supporting documents as soon as possible.

#### CURRICULUM

The Langara College Bachelor of Science in Nursing Program has two intakes per year: September and January.

#### TERM 1 (TOTAL: 18 CREDITS)

Course No.	Credits
BIOL 1190	3
ENGL 1127 or 1128	3
NURS 1100	3
NURS 1109	3
NURS 1121	3
NURS 1130	3

#### TERM 2 (TOTAL: 19 CREDITS)

Course No.	Credits
BIOL 1191	3
NURS 1111	3
NURS 1131	3
NURS 1141	7
ENGL 1129 or 1130	3

#### TERM 3 (TOTAL: 15 CREDITS)

Course No.	Credits
BIOL 2290	3
NURS 2140	8
NURS 2250	4

#### TERM 4 (TOTAL: 18 CREDITS)

Course No.	Credits
BIOL 2291	3
NURS 2121	8
NURS 2141	3
NURS 2251	4

#### TERM 5 - CONSOLIDATED PRACTICE EXPERIENCE I (TOTAL: 12 CREDITS)

Course No.	Credits
NURS 2265	9
Non-Nursing Elective I (The non-nursing elective must be university-transferable and must be completed prior to Term 6).	3

#### TERM 6 (TOTAL: 17 CREDITS)

Course No.	Credits
NURS 3111	3
NURS 3115	3
NURS 3116	3
NURS 3145	5
PHIL 1105	3

#### TERM 7 (TOTAL: 17 CREDITS)

Course No.	Credits
NURS 3216	3
NURS 3225	3
NURS 3235	3
NURS 3246	8

#### TERM 8 (TOTAL: 12 CREDITS)

Course No.	Credits
NURS 3365	9
Non-Nursing Elective II (The non-nursing elective must be university-transferable and must be completed prior to Term 9).	3

**TERM 9 (TOTAL: 17 CREDITS)**

Course No.	Credits
NURS 4125	3
NURS 4126	3
NURS 4145	8
NURS 4180 or 4181 or 4182	3

**TERM 10 (TOTAL: 12 CREDITS)**

Course No.	Credits
NURS 4246	12

**September Intake**

September - December	January - April	May - August
Term 1	Term 2	Term 3
Term 4	Term 5	Term 6
Term 7	Term 8	Term 9
Term 10		

**January Intake**

January - April	May - August	September - December
Term 1	Term 2	Term 3
Term 4	Term 5	Term 6
Term 7	Term 8	Term 9
Term 10		

**Student Maintenance of Standing Requirements**

Please note that students are responsible for their maintenance of standing while enrolled in the Langara College Bachelor of Science in Nursing (BSN) Program, in the Nursing Transition Program (NTP) or on the waitlist for either of these programs.

Students enrolled in, or on the waitlist for, the BSN Program or NTP are advised that progression in the program requires all students to maintain a 2.33 cumulative GPA with no grade lower than 'C+' for all Nursing program courses, including support courses and electives.

Students enrolled in, or on the waitlist for, the BSN Program or NTP may not register for any Nursing course, support courses or electives more than twice except as outlined in the following paragraph.

Students on the waitlist for the BSN Program or NTP who have registered for support courses or electives twice may be permitted a third opportunity to register for the support courses or elective once enrolled in the BSN Program and/or NTP. Students must receive permission from the Department Chair of Nursing (or designate) and the Department Chair (or designate) for the respective support or elective course.

Students who do not successfully complete any two nursing practice courses, including consolidated practice experience (i.e., receive a 'U' or 'W'), will not be permitted to continue in the BSN Program.

All students when enrolled in their first term of the Nursing Program receive a copy of BSN Student Handbook outlining specific departmental policies and procedures, including attendance, conduct, dress, evaluation, and promotional guidelines. If students have specific questions related to the handbook, they may contact the Student Coordinator for the Nursing Department.

**NURSING TRANSITION PROGRAM (NTP)****GENERAL INFORMATION**

The Nursing Transition Program (NTP) prepares full scope Licensed Practical Nurses and Registered Psychiatric Nurses to register in Term 4 of the Bachelor of Science in Nursing program. There are two intakes per year: January and September. In the first term, students are required to successfully complete BIOL 1190 and ENGL 1127 or 1128. In the second term, students are required to complete BIOL 1191 and ENGL 1129 or 1130. In the third term, students are required to complete BIOL 2290 and NURS 1103.

In NURS 1103, students explore concepts from Health I and II, Professional Growth I, Self and Others I and II, Healing I, and Nursing Practice I, II and III. Upon successful completion of the courses in the NTP with a minimum 'C+' grade, students may proceed to Term 4 of Bachelor of Science in Nursing Program.

Program intakes: January and September

**ADMISSION REQUIREMENTS**

Please refer to the information regarding general requirements for admission and application to Langara College Programs.

**Academic Requirements**

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older
- English 12 - a minimum 'A' grade
- Or LET 5
- Or LPI 5 or 6
- Or English 12 - a minimum 'B' grade and LET 4 or LPI 4 (26 on the essay)
- Or Langara's English 1127 or equivalent - a minimum 'C' grade
- Or a university-transferable English course for which Langara College awards credit - a minimum 'C' grade

NOTE: The use of an oral English language test is under review

**Notes:**

- As of the Fall Semester 2010 university-transferable courses used to satisfy admission and program requirements must be completed with a minimum 'C+' grade.
- If applicants are transferring an equivalent course to Biology 1190, the course will not be accepted by the Nursing Department unless a course equivalent to Biology 1191 is also transferred to Langara College from the same institution.

**Program Requirements**

Upon provisional acceptance to the NTP program, additional program requirements need to be completed prior to receiving the final acceptance.



These include:

1. A complete and current Immunization and Communicable Disease Form
  - Proof of immunizations and TB Screening are required for students' safety and for the protection of individuals, families, and groups that they will encounter during their program of studies. The Immunization and Communicable Disease Form must be completed and returned to the Nursing Department (see acceptance letter for submission deadlines) once students have been notified of their acceptance to the Program.
  - Tetanus-Diphtheria (TD) Vaccine, Pertussis Vaccine, Polio Vaccine, Red Measles, Mumps, and Rubella (MMR) Vaccine, Hepatitis B Vaccine, Varicella Vaccine are required.
  - Tuberculosis Screening skin test is required.
  - An annual Flu Vaccine is highly recommended.
2. Please note that practice placements can refuse individual students if proof of Immunization and Tuberculosis Screening is not provided, which can potentially influence progress in the BSN Program.
  - Current CPR certification at the Basic Level C with AED and a Standard First Aid Certificate
  - In Term 3, the first semester of the NT Program, students will be required to show evidence of having these certificates. Once in the BSN program, students will need to show proof of a current CPR Level C with AED certificate each term.
  - Practice placements can refuse individual students if proof of CPR is not provided, which can potentially influence progress in the BSN program.
3. Acceptable Criminal Record Search
  - Students will be notified of the process and deadlines upon acceptance to the program. If students have any questions about the criminal record search, they are advised to contact the Nursing Department. If they have any questions about criminal records and eligibility for licensure, they are advised to directly contact the College of Registered Nurses of British Columbia (CRNBC).

#### Current Licence

Applicant must be currently registered and licensed as a full scope Licensed Practical Nurse or Registered Psychiatric Nurse in the province of British Columbia.

#### Letter of Reference

- A letter of reference from the applicant's most recent nursing employer or instructor. This individual must be able to comment on the applicant's employment or practice performance. An interview with a Nursing Faculty member may be required.

In Term 4, the fourth semester of the BSN program, students will be required to be fit tested. Arrangements will be made by the Nursing Department to fit test students during the first week of the semester. Please note that practice placements can refuse individual students if proof of mask fit testing has not been completed, which can potentially influence progression.

#### Program Notes

- The Bachelor of Science in Nursing Program is physically and emotionally rigorous. Students must demonstrate that they can meet the competencies and standards outlined in the College of Registered Nurses of British Columbia's (CRNBC) document entitled "Becoming a Registered Nurse in British Columbia: Requisite Skills and Abilities". This document can be viewed here.
- Upon completion of their nursing program, students are required to meet the current professional nursing practice requirements as outlined by CRNBC. These documents can be viewed here.
- If students have any concerns about existing health challenges that could limit their ability to fully participate in the BSN program, they are advised to contact the Nursing Department.
- All costs and associated updates of immunization and TB screening, CPR certification, and Criminal Record Search while in the BSN program are the responsibility of the student.
- Students will be directly involved with clients in hospital and community agencies that may require evening and/or weekend work. Students are responsible for transportation and other expenses incurred during practice experiences.

#### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission.
- Official transcript(s) from all educational institutions attended.
- LET or LPI scores (if applicable).
- Letter of reference
- Proof of current BC licence as a full scope Licensed Practical Nurse or a Registered Psychiatric Nurse.

#### Documents Deadline

As there are two program intakes per year, there is no deadline by which applications must be received. The Nursing Program currently has a wait list of students whose applications are considered complete and who are awaiting review of their application for admission. Completed applications are reviewed for admission on a first-come, first-served basis; therefore, students are advised to provide all supporting documents as soon as possible.

## CURRICULUM

### NTP TERM 1(TOTAL: 6 CREDITS)

Course No.	Credits
BIOL 1190	3
ENGL 1127 or 1128	3

### NTP TERM 2 (TOTAL: 6 CREDITS)

Course No.	Credits
BIOL 1191	3
ENGL 1129 or 1130	3

### NTP TERM 3 (TOTAL: 6 CREDITS)

Course No.	Credits
BIOL 2290	3
NURS 1103	3

### Student Maintenance of Standing Requirements

Please note that students are responsible for their maintenance of standing while enrolled in the Langara College Bachelor of Science in Nursing (BSN) Program, in the Nursing Transition Program (NTP) or on the waitlist for either of these programs.

Students enrolled in, or on the waitlist for, the BSN Program or NTP are advised that progression in the program requires all students to maintain a 2.33 cumulative GPA with no grade lower than 'C+' for all Nursing program courses, including support courses and electives.

Students enrolled in, or on the waitlist for, the BSN Program or NTP may not register for any Nursing course, support courses or electives more than twice except as outlined in the following paragraph..

Students on the waitlist for the BSN Program or NTP who have registered for support courses or electives twice may be permitted a third opportunity to register for the support courses or elective once enrolled in the BSN Program and/or NTP. Students must receive permission from the Department Chair of Nursing (or designate) and the Department Chair (or designate) for the respective support or elective course.

Students who do not successfully complete any two nursing practice courses, including consolidated practice experience (i.e., receive a 'U' or 'W'), will not be permitted to continue in the BSN Program.

All students when enrolled in their first term of the Nursing Program receive a copy of BSN Student Handbook outlining specific departmental policies and procedures, including attendance, conduct, dress, evaluation, and promotional guidelines. If students have specific questions related to the handbook, they may contact the Student Coordinator for the Nursing Department.

## Nutrition and Food Service Management

Department: Nutrition and Food Service Management

Division: Business and Community Programs

Program Type: Career

### OPTIONS

- Diploma in Nutrition and Food Service Management
- Diploma in Nutrition and Food Service Management (BBA Transfer Option)

### GENERAL INFORMATION

The Nutrition and Food Service Management Program provides educational opportunities for individuals who wish to pursue a career in food service management with a focus on the health care sector. The diploma can be completed in two years as a full-time student or on a part-time basis with a maximum completion time of six years. Although the primary intake into the program is in September each year, applicants may begin the program in any semester.

The curriculum incorporates core food service courses in nutrition, food production and food service management as well as academic studies in related disciplines. Students are provided with the opportunity to apply basic concepts of food service management through a variety of practicum and fieldwork experiences. This prepares graduates for employment in health care facilities, commercial catering services, educational facilities, private practice, education and research. Graduates of the program are eligible for membership in the Canadian Society of Nutrition Management and related provincial associations.

Currently, there is a high demand for program graduates in the workforce. Jobs are readily available in both health care and retail sectors. Visit the career section of the Nutrition and Food Service Management Department website to see a sample of current job openings and to obtain more information about the program and the food service management profession.

Applicants must have a sincere interest in people, strong communication skills, an ability to work co-operatively with others, a willingness to work shifts any day of the week, and be competent to assume management responsibilities upon graduation.

All food service courses are delivered online as are the majority of the other program support courses. Support courses may be taken online or in person at Langara College or at a college close to students. Langara courses are offered on a semester schedule with specific start and end dates. The course start dates are noted in the semester Registration Guide and Course Schedule. Most courses are taught over a full semester, but there are some compressed courses offered over a one-half semester (approximately 7 weeks).

Online courses from Langara College are offered via Blackboard and are in asynchronous mode; students can participate when it suits their daily schedule. Students need access to a computer and the Internet on a daily basis to be able to complete course work. High speed computer access is recommended but not required. Students should expect to spend 8-10 hours per week on each course for readings, assignments, etc.

Most food service courses are transferable to the University of British Columbia nutrition and dietetic programs. For further information on specific course transferability, visit the BC Council on Admission and Transfer website ([www.bccat.bc.ca](http://www.bccat.bc.ca)).

Students wanting to pursue further study may choose the Bachelor of Business Administration (BBA) Transfer Option of the Diploma in Nutrition and Food Service Management. In this option, students will complete most of the bridging courses required for admission to the third year of the BBA (Business Management or Marketing Management concentrations.)

Program intakes: January, May and September

#### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:
  - LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

#### Program Requirements

- A one- to two-page letter of intent that explains why students wish to enter the program and that demonstrates they have an understanding of the role and responsibilities of a Nutrition Manager in a health care setting.
- Resume
- Two letters of reference attesting to the ability that would be an asset to a career in food service management, one of which must be from an employer who focuses on their abilities in an employment setting.
- An interview conducted by program faculty where their communication skills and knowledge of the food service field will be assessed.
- Depending on the health policies of the fieldwork and practicum sites, students may be required to have a flu shot or other vaccination/ tests such as Hepatitis A and TB before starting practicum courses. A criminal record check may be required by placement sites.
- Valid Food Safe Level I Certificate or recognized equivalent food handler safety program.

#### Program Preferences

- Applicants with previous work experience in the food service industry.
- Documented success in a previous post-secondary academic setting.
- Demonstrated emotional maturity and affinity for working with people.

#### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- Two letters of reference.
- Letter of intent.
- Resume
- LET or LPI scores (if applicable)
- Food Safe Level I certificate.

Upon receipt of students' completed applications, they will be scheduled for an interview with program faculty.

#### Application and Supporting Documents Deadline

- Three months prior to the commencement of each semester. Late applications will be accepted if space is available.
- Please refer to the program application dates in the Application for Admission section in this Calendar.

#### Program Notes:

- Graduates of baccalaureate programs in nutrition or dietetics may enter the program directly into the second year provided they meet the requirement for experience in the food service industry. Upon approval of block transfer credit and completion of 30 credits from the program, a Diploma in Nutrition and Food Service Management will be granted. The graduate will then be eligible for membership in the Canadian Society of Nutrition Management and regional associations. Advance placement will be discussed with each applicant. Admission is dependent on space availability.
- Ability to type a minimum of 30-40 wpm is an asset. Most courses are online with exams written on the Web. Slower typing skills will reduce the student's ability to complete exams during the time allotted.

## DIPLOMA IN NUTRITION AND FOOD SERVICE MANAGEMENT

### CURRICULUM

Support courses can be completed online, in person at Langara College, or at a college close to students.

Students work in their homes at times convenient to them. Typically, students can expect to spend 8-10 hours per week per course.

Total Program Credits: 60-61

#### YEAR 1 (Total: 29 or 30 credits)

##### FIRST TERM

Course No.	Credits
FSRV 1113	3
FSRV 3114	3
FSRV 3214	3

##### SECOND TERM

Course No.	Credits
FSRV 1213	3
NUTR 2112	3
NUTR 2212	3

##### THIRD TERM

Course No.	Credits
FSRV 1219	2

First Year Support Courses: To be completed during First, Second or Third Terms. These requirements must be completed before students can register into Year 2 courses.

BIOL 1115, 1116, 1216, 1175, or 1190	3 or 4
CMNS 1118 or ENGL 1127 or 1140	3
CMNS 1115 or BUSM 1500	
(See note 7)	3

#### YEAR 2 (Total: 31 credits)

##### FOURTH TERM

Course No.	Credits
NUTR 2322	3
NUTR 2422	3
FSRV 4324	3

##### FIFTH TERM

Course No.	Credits
FSRV 4323	3
FSRV 4444	3
FSRV 2429	2

Second Year Support Courses: To be completed during Fourth or Fifth Terms. These requirements must be completed before registering in Sixth Term courses.

BUSM 1100 or 2200 (See note 8)	3
BUSM 2115	3
PSYC 1215 or 2317	3

##### SIXTH TERM

Course No.	Credits
FSRV 2329	2
FSRV 2529	3

### NOTES:

- BISC100 through Thompson Rivers University - Open Learning is an acceptable alternative to the biology courses listed above.
- FSRV 3114, 3214, NUTR 2112, 2212, 2322 and 2422 are compressed courses each offered over one-half of the term. FSRV 3114, NUTR 2112 and 2322 are offered in the first half of term and FSRV 3214, NUTR 2212 and 2422 are offered in the last half of the term.
- Check the prerequisites for the arts and science courses that are part of the program.
- Please ensure that courses taken at other institutions are fully transferable to Langara College for graduation credit. Check the BCCAT Guide ([www.bccat.bc.ca](http://www.bccat.bc.ca)) for details. If in doubt, confirm transferability of courses selected from other institution with the Department Chair before registering for these courses.
- Graduates of baccalaureate programs in nutrition or dietetics are eligible for block transfer of 30 credits and may enter the second year of the program provided they meet the requirements for experience in the food service industry.
- FSRV 4323 and 4324 together are considered equivalent to FNH 440 at UBC and can be used for course credit equivalency for students with a non-dietetics undergraduate degree who plan to apply for a graduate dietetic internship based on UBC academic equivalency assessment.
- CMNS 2228 may be substituted with the permission of the Department Chair.
- Students planning to transfer to the BBA are advised to take BUSM 1100.

## DIPLOMA IN NUTRITION AND FOOD SERVICE MANAGEMENT (BBA TRANSFER OPTION)

Students choosing the BBA Transfer Option will complete specific electives that will enable them to transfer directly to third year of Langara's Bachelor of Business Administration program providing they meet the minimum cumulative GPA requirements for admission to third year of the degree. ECON 1220 or ECON 1221, normally a required bridging course for entry to third year of this degree must be completed during the third year if not previously completed. Students completing all four food service practicums (FSRV 1219, 2329, 2429, and 2529) will be exempted from the BUSM 3000 requirement of the BBA.

### CURRICULUM

Total Program Credits: 63-64

#### YEAR 1 (Total: 35-36 credits)

##### FIRST TERM

Course No.	Credits
FSRV 1113	3
FSRV 3114	3
FSRV 3214	3

##### SECOND TERM

Course No.	Credits
FSRV 1213	3
NUTR 2112	3
NUTR 2212	3

##### THIRD TERM

Course No.	Credits
FSRV 1219	2

First Year Support Courses: To be completed during First, Second or Third Terms. These requirements must be completed before students can register into Year 2 courses.

BIOL 1115, 1116, 1216, 1175, or 1190	3 or 4
CMNS 1118 and one of: CMNS 1115 or ENGL 1127 or ENGL 1128	6
MARK 1115	3
BUSM 1100	3

#### YEAR 2 (Total: 28 credits)

##### FOURTH TERM

Course No.	Credits
NUTR 2322	3
NUTR 2422	3
FSRV 4324	3

## FIFTH TERM

Course No.	Credits
FSRV 4323	3
FSRV 4444	3
FSRV 2429	2

Second Year Support Courses: To be completed during Fourth or Fifth Terms. These requirements must be completed before registering in Sixth Term courses.

PSYC 1215	3
STAT 1123, 1124 or 1181	3

## SIXTH TERM

Course No.	Credits
FSRV 2329	2
FSRV 2529	3

### NOTES:

1. Students wanting to transfer into the third year of the BBA (Business Management or Marketing Management concentrations) must meet the minimum CGPA requirement for admission to third-year of the BBA and must complete ECON 1220 or ECON 1221 while in third year of the program if not completed previously.
1. BISC100 through Thompson Rivers University - Open Learning is an acceptable alternative to the biology courses listed above.
2. FSRV 3114, 3214, NUTR 2112, 2212, 2322 and 2422 are compressed courses each offered over one-half of the term. FSRV 3114, NUTR 2112 and 2322 are offered in the first half of term and FSRV 3214, NUTR 2212 and 2422 are offered in the last half of the term.
3. Check the prerequisites for the arts and science courses that are part of the program.
4. Please ensure that courses taken at other institutions are fully transferable to Langara College for graduation credit. Check the BCCAT Guide ([www.bccat.bc.ca](http://www.bccat.bc.ca)) for details. If in doubt, confirm transferability of courses selected from other institutions with the Department Chair before registering for these courses.
5. Graduates of baccalaureate programs in nutrition or dietetics are eligible for block transfer of 30 credits and may enter the second year of the program provided they meet the requirements for experience in the food service industry.
6. FSRV 4323 and 4324 together are considered equivalent to FNH 440 at UBC and can be used for course credit equivalency for students with a non-dietetics undergraduate degree who plan to apply for a graduate dietetic internship based on UBC academic equivalency assessment.

# Peace and Conflict Studies

Department: Interdisciplinary Studies  
Division: Humanities  
Program Type: Arts and Science

### OPTIONS

- Associate of Arts Degree in Peace and Conflict Studies
- Diploma in Arts and Science (Peace and Conflict Studies)

### GENERAL INFORMATION

Peace and Conflict Studies (PACS) is an interdisciplinary field of study which is concerned with the problem of human conflict, especially violent and destructive conflict, and the means by which it can be constructively and nonviolently resolved. Its interdisciplinary approach to analysis draws on the perspectives of the social sciences, history, and philosophy. Guest lecturers from these academic disciplines, as well as guests from the active world of conflict resolution, politicians, and peace leaders, will enhance the Associate Degree/Diploma and core courses, POLI 1145 (PCCN 1201) and PCCN 1202. Each of the courses listed as requirements for the Associate Degree and Diploma Programs in Peace and Conflict Studies adds to an understanding of this most complex and pressing human issue.

A specialization in this field can lead to further academic study in Peace and Conflict, a growing area in graduate programs in North American universities. Peace and Conflict Studies is also an appropriate preparation for the following career areas: politics and diplomacy; international relief and development; community and social services; public and private administration; counselling; law and corrections; and education.

Program intakes: January, May, September

## ASSOCIATE OF ARTS DEGREE IN PEACE AND CONFLICT STUDIES

### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All the following:  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
PCCN 1105 (Attendance at this one-semester series of guest lectures on PACS topics and a journal are required.)  
POLI 1145 (PCCN 1201)  
PCCN 1202
  2. At least six courses (no more than two courses from any one subject area) from the following:  
ANTH 1120  
BIOL 1118, 1185 \*  
CNST 1120, 1130, 1140  
CHEM 1117, 1217 \*  
ECON 1119  
ENVS 2390  
GEOG 1100, 1155, 1160  
HIST 1114, 1115, 2241, 2242  
PHIL 1100, 1105, 2226  
Political Science any two (POLI 1100 and 1140 highly recommended)  
PSYC 1115, 1215, 2317, 2322  
RELS 1120, 1220  
SOC 1120, 1121, 1200, 2222, 2223, 2240, 2250  
WMST 1116, 1216, 2272
- \* As part of the Science requirement of the Associate Degree, students are advised to take 2 courses from:  
BIOL 1118, 1185  
CHEM 1117, 1217

## DIPLOMA IN ARTS AND SCIENCE (PEACE AND CONFLICT STUDIES)

### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 60 credits) including:

1. All the following:  
ENGL 1127 or 1128  
ENGL 1129 or 1130  
PCCN 1105 (Attendance at this one-semester series of guest lectures on PACS topics and a journal are required.)  
POLI 1145 (PCCN 1201)  
PCCN 1202
2. At least six courses (no more than two courses from any one subject area) from the following:  
ANTH 1120  
BIOL 1118, 1185  
CNST 1120, 1130, 1140  
CHEM 1117, 1217  
ECON 1119  
ENVS 2390  
GEOG 1100, 1155, 1160  
HIST 1114, 1115, 2241, 2242  
PHIL 1100, 1105, 2226  
Political Science any two (POLI 1100 and 1140 highly recommended)  
PSYC 1115, 1215, 2317, 2322  
RELS 1120, 1220  
SOC 1120, 1121, 1200, 2222, 2223, 2240, 2250  
WMST 1116, 1216, 2272

## Philosophy

Department: Philosophy  
Division: Humanities  
Program Type: Arts and Science  
Associate of Arts Degree in Philosophy<

### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

- PHIL 1100
- PHIL 1102
- PHIL 1101 or 1103
- PHIL 2201 or 2203
- One of the following: PHIL 2202, 2210, or 2226
- At least 6 credits of other PHIL courses (See note 1 and Note 2)

### NOTES:

1. Students may choose courses from the PHIL courses listed above if they were not used to meet the requirements of that section, e.g., students who have taken PHIL 1101 and 2201 may take PHIL 1103 and 2203 to meet the "6 credits of other PHIL courses" requirement.
2. Students who are planning to major in philosophy are encouraged to take PHIL 1125, 2201, and 2203.

## Physics

Department: Physics  
Division: Mathematics and Sciences  
Program Type: Arts and Science

### ASSOCIATE OF SCIENCE DEGREE IN PHYSICS

### CURRICULUM

Within the framework of the general requirements of the Associate of Science Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All of the following courses:  
CHEM 1120  
CPSC 1150  
MATH 1171, 1271  
MATH 2362, 2371, 2475  
PHYS 1125, 1225  
PHYS 2309, 2409  
PHYS 2323, 2424
2. Recommended:  
CPSC 1160  
CHEM 1220

# Professional Computer Science and Technology

Department: Computing Science and Information Systems

Division: Mathematics and Sciences

Program Type: Arts and Science Limited Enrolment

## GENERAL INFORMATION

Langara College, as a partner of the new economy, has developed the Certificate of Professional Computer Science and Technology (PCST) Program to provide professionals with education, skills, and retraining. This one-year certificate program is the result of comprehensive research and study which is based upon the theoretical and practical aspects of computing education. The main objectives of the program are:

1. To meet the needs of those computing professionals who find their computing skills obsolete.
2. To provide non-computing professionals (e.g., engineers) with an opportunity to improve their computing skills.
3. To provide university-transfer students who have a minimum of two years of academic studies and some programming background with practical courses.

Program intakes: January, May, and September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:
  - LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
  - One of the following: a minimum score of 80 on the Langara College Mathematics Diagnostic Test, 'B' or higher grade in Principles of Mathematics 12, or a university-level Mathematics course
- 'C' or higher grade in CPSC 1150.

### NOTE:

- Students who do not meet the above English or Mathematics requirements may be admitted to the program as determined by the department. Students admitted with a missing admission requirement will be notified in their acceptance letter of the conditions of their acceptance, and they will be required to meet with the department to plan their program of study.

- Students not meeting the English requirement will be required to sit the LET in their first semester in the program to attempt to attain a LET with a minimum level of 3. If students do not attain the required score, they will be required to take English foundation courses. To remain in the program, students who have completed 32 program credits must have successfully completed or be eligible to take one of ENGL 1127, ENGL 1128, CMNS 1115, or CMNS 1118.
- Students not meeting the Mathematics requirement will be required to attain the appropriate Math Diagnostic Test (MDT) score or obtain permission of the Mathematics/Statistics Department to allow them to register into the required Mathematics/Statistics courses in the program. If students do not attain the required score, they will be required to take mathematics foundation courses.
- Students admitted on a conditional basis must complete all program requirements to be eligible for graduation.
- Substitution of courses or exemptions may be made. Consult with the Department.

### Program Requirements

- At least one year of work experience in computer programming.
- Good knowledge of the English language, including the ability to speak and write clearly and correctly. Extensive documentation is required in this program.
- An interview conducted by the Professional Computer Science and Technology Co-ordinator may be required.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).
- Please refer to the program application dates in the Application for Admission section in this Calendar.

## CERTIFICATE IN PROFESSIONAL COMPUTER SCIENCE AND TECHNOLOGY

### CURRICULUM

Prospective PCST students who are not strong in structured programming and C++ and languages are to take CPSC 1150 (Introduction to Program Design) in the semester prior to starting the program. In addition, all PCST courses will be scheduled in late afternoons and evenings to accommodate the needs of students who have job commitments.

#### FIRST TERM (TOTAL: 12 CREDITS)

Course No.	Credits
CPSC 1160	3
CPSC 1181	3
CPSC 1220	3
CPSC 1280	3

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
CPSC 2150	3
CPSC 2211	3
CPSC 2220	3
CPSC 2261	3
1 Approved Elective	3

#### THIRD TERM (TOTAL: 6 CREDITS)

Course No.	Credits
CPSC 2301	3
CPSC 2490	3

## Professional Photo-Imaging

Department: Professional Photo-Imaging  
Division: Creative Arts  
Program Type: Career

### GENERAL INFORMATION

Langara College's two-year, full-time (four-term) Diploma in Professional Photo-Imaging Program is unique in British Columbia. It combines the aesthetic and business aspects of photography with a solid technical background. The majority of the photographic assignments are based on 'commercial' as opposed to 'fine art' considerations. This orientation gives realistic preparation for the demanding requirements of the photographic industry, as employees and as entrepreneurs.

Students receive instruction in both traditional and emerging electronic/digital imaging techniques.

### NOTE:

Applicants should be aware that the Professional Photo-Imaging Department course offerings are being revised to better reflect new trends in photography and digital imaging. To determine specifics of current and projected courses, please contact the department directly or visit the department website.

### JOB OPPORTUNITIES

Graduates of the Professional Photo-Imaging Program have found employment in almost every facet of the photographic/imaging industry. They are now in positions of leadership and many have opened their own photographic businesses. Immediately upon graduation, most graduates find employment as lab technicians, digital imagers, photographer's assistants, or freelancers.

The photographic subjects cover such topics as advertising, architectural, commercial photography, copying, editorial, electronic imaging, and manipulation, fashion, industrial photography, lab work, photojournalism, portraiture, quality control and scientific photography. These photographic subjects are complemented by a good foundation of business and communications fundamentals, including computer applications, necessary for operating or running a small business.

A considerable amount of time is spent doing practical assignments that are representative of those undertaken by photographer's assistants and photography

technicians. Emphasis is placed on learning to meet deadlines and other industry requirements. Due to the demanding workload of classes, labs and homework assignments, a student should not contemplate employment as a means of financing studies while a term is underway.

While at school, students are encouraged to take an active part in conventions, meetings and seminars sponsored by professional photographic organizations. Unique student awards and scholarships are available as a result of this participation.

Program intake: September

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

Completion of BC Grade 12 or equivalent.

- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.
- 'C' or higher grade in Mathematics 11.

### Program Requirements

- A career interest in Photo-Imaging demonstrated by two of the following:
  - 'B' or higher in graphic arts, media, visual communication or similar course in secondary school or other educational institution;
  - Minimum two years in a camera club;
  - Some part-time or full-time work experience in photography;
  - Some investigation of the employment prospects, at least in the local area.
- An interview with program faculty, at which time students will have to demonstrate their ability to communicate effectively both verbally and in writing, and they will complete a multiple choice entrance examination which is based on advanced amateur theory and mathematics. Interviews are normally conducted in May.



If selected for an interview, students must bring to the interview a portfolio of prints, slides, or other graphic communication related to one or more aspects of commercial or professional photography.

**Program Preferences**

Preference is given to candidates who have Math 12, a science course, and a computer course equivalent to BCAP 1200.

**Documents Required for Application Evaluation**

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable)
- Proof of career interest (see Program Requirements above).

Please refer to the program application dates in the Application for Admission section in this Calendar.

**DIPLOMA IN PROFESSIONAL PHOTO-IMAGING**

**CURRICULUM**

**FIRST TERM (TOTAL: 15 CREDITS)**

<b>Course No.</b>	<b>Credits</b>
AHIS 1212	3
CMNS 1115	3
MATH 1120	3
PHOT 1118	3
PHOT 1128	3
PHOT 1180	0

**SECOND TERM (TOTAL: 17 CREDITS)**

<b>Course No.</b>	<b>Credits</b>
BUSM 1115	3
PHOT 1215	3
PHOT 1218	3
PHOT 1228	5
PHOT 1248	3
PHOT 1280	0

**THIRD TERM (TOTAL: 15 CREDITS)**

<b>Course No.</b>	<b>Credits</b>
CMNS 1118	3
MARK 1115	3
PHOT 2328	3
PHOT 2338	3
PHOT 2348	3
PHOT 2380	0

**FOURTH TERM (TOTAL: 15 CREDITS)**

<b>Course No.</b>	<b>Credits</b>
PHOT 2418	3
PHOT 2428	3
PHOT 2480	3

**TWO ADVANCED OPTIONS FROM THE FOLLOWING \***

MARK 1218	3
PHOT 2442	3
PHOT 2446	3
PHOT 2450	3
PHOT 2456	3
PHOT 2458	3
PHOT 2462	3
PHOT 2466	3
PHOT 2470	3

\* The Advanced Options include an off-campus element of 'field experience' for approximately 15 working days at photographic establishments during the Spring Term.

**NOTES:**

Supply and equipment costs, which must be purchased or rented by each student, are approximately \$6,000 (includes a Mac laptop computer and DSLR camera) in the first year of the program and \$3,800 in the second year of the program. Textbook costs are approximately \$1000 per year.

Be sure to check the prerequisites for the Arts and Science courses that are part of the program.

Prerequisites for all Photography courses: 'C+' or higher grade in all previous Professional Photo-Imaging Program courses, or permission of the Department.

# Publishing

Department: Publishing  
Division: Creative Arts  
Program Type: Career

## GENERAL INFORMATION

The publishing industry has been seeing rapid change brought on by the extraordinary growth of global information networks and changes in publishing technology. The Publishing Program is a one-year, three-term program designed to provide a broad base of training for the following identifiable groups:

1. Those who wish to enter the rapidly evolving publishing industry, including the corporate communication and electronic publishing sectors;
2. Those who have set up, or who wish to set up, their own publishing businesses;
3. Those already in the industry who are trained in traditional production methods and who wish to upgrade their skills.

Some part-time placement may be available for those who have previously completed the fall semester of Publishing or for those with developed Photoshop skills who wish to study electronic publishing. If students are interested in either of these options, please inquire in October for the spring semester or in February for the summer semester.

A Diploma in Publishing will be awarded for successful completion of the full three-term, one-year program.

It is not the objective of the program to produce graduates who are experts in all areas of publishing. Rather, our goal is to promote a comprehensive understanding of the publishing process and to allow students to develop their own areas of expertise. The emphasis is on creative problem solving within each area.

The Langara College Publishing Program is product-based and hands-on. Students work to create a line of professional-quality products. These include Pacific Rim Magazine (print run 18,000 with local distribution by the Globe and Mail, Pacific Rim Magazine Online (a website), a newsletter, personal projects and occasional outside projects — using the most advanced tools and techniques available.

The focus is on all-colour magazine production, online publishing, writing and editing -- although corporate publishing, book design and production, typography, and publishing issues are also emphasized. This approach encompasses a complete,

advanced publishing sequence, setting a level of knowledge and skill that will equip students for a wide variety of publishing tasks.

Upon graduation, students will have a portfolio of tangible products they helped to create. They will have also acquired enough basic knowledge to start their own business, if that is their goal.

The Program will cover the entire print-based, graphics-and-photo intensive publication production sequence from initial concept to finished product: writing, research, text editing, page layout, graphics applications, scanning, digital photography, digital image editing, system calibration, colour correction, colour separation, colour proofing, imagesetting, ink and paper, and signature and offset printing. In addition, students will transform finished text and graphic material into web pages, to be published on the World Wide Web.

The following are the three key components of the Langara College Publishing Program which will be integrated with other related courses in the curriculum and aligned with the magazine production path.

1. Print-based publishing: students will learn three main software packages — Adobe InDesign, Adobe Illustrator, and Adobe Photoshop.
2. Web publishing: students will learn how to make web pages, both hand coding and using visual software such as Adobe Dreamweaver.
3. Flash publishing: students will learn how to incorporate images, text, video, sound, and interactivity in Adobe Flash.

Program content and the order of courses may be subject to modification without notice, prior to the commencement of the program, although the main scope of the curriculum will be unchanged.

Program intake: September

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older
- One of the following three English requirements:
  - Minimum level 5 on the LET or LPI;
  - Qualification for an exemption from the LET or LPI by having a 'C+' or higher average in a first-year university- transferable English or Communications course;
  - Applicants with a minimum level 4 on the LPI or LET may be considered if they meet one of the Program Preferences outlined below. This must be coupled with an above-average portfolio presentation. (Some portfolio content examples: fine arts, photography, photos of ceramics, graphic design, evidence of expertise in computer graphics or new media software.)

### Program Requirements

- Letter of intent, citing the student's goals in joining the Publishing Program.
- If students are not currently in Grade 12, they must provide a résumé indicating their work and/or post-secondary educational experience.

### PROGRAM PREFERENCES

- Committed, creative applicants with developed skills in compatible areas, e.g., those who have successfully completed either at Langara College or elsewhere, programs (or their equivalents) such as Journalism, Professional Photo-Imaging, Library and Information Technology, Display+Design, Design Formation, Fine Arts, Marketing Management, Business Management, or second-year Arts and Sciences.
- Applicants with compatible work experience in the publishing industry or those who have set up, or are planning to set up, their own electronic publishing business or print publishing operation. A summary of the applicant's business plans may be required.
- Applicants with developed electronic publishing or computer-graphic skills (either Macintosh or PC). A practical test may be required to assess the skill level the applicant has achieved.
- Applicants with a strong background in fine arts who present a professional-level portfolio.

### Documents Required for Application Consideration

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).
- Résumé (if applicable) and letter of intent.

Please refer to the program application dates in the Application for Admission section in this Calendar.

### Program Notes

- Advanced placement may be available to those who possess approved writing, editing, design, and computer skills, and those who have worked, or are working in the publishing or printing and related industries or in corporate communications.

## DIPLOMA IN PUBLISHING

### CURRICULUM

#### FIRST TERM (FALL) (TOTAL: 23 CREDITS)

Course No.	Credits
PUBL 1115	3
PUBL 1118	3
PUBL 1124	6
PUBL 1129	3
PUBL 1131	3
PUBL 1159	3
PUBL 1240	2

#### SECOND TERM (SPRING) (TOTAL: 21 CREDITS)

Course No.	Credits
PUBL 1155	3
PUBL 1157	3
PUBL 1158	3
PUBL 1161	6
PUBL 1164	6

#### THIRD TERM (SUMMER) (TOTAL: 17 CREDITS)

Course No.	Credits
PUBL 1225	6
PUBL 1231	6
PUBL 1241	2
MARK 2400	3

### NOTE:

Students must successfully complete all Term One courses with a minimum 'C' grade in the Fall Semester before they can proceed to Term Two courses in the Spring Semester. In extenuating circumstances, students who do not meet these minimum grade requirements may request department permission to proceed with some or all of the next term courses.

## Psychology

Department: Psychology  
Division: Social Sciences  
Program Type: Arts and Science

### GENERAL INFORMATION

Psychology is a multi-faceted discipline that includes an exciting array of career options. The Associate of Arts Degree in Psychology Program is designed to offer focus and direction to prospective psychology majors and minors.

When successfully completed, the general and specific requirements will prepare students for entry into the third-year level of most university psychology programs. However, students are responsible to confirm their selection of transfer courses with their chosen university destinations as first-year and second-year requirements can vary slightly from institution to institution.

The Psychology Department at Langara College has a comprehensive selection of psychology offerings. Courses range from surveys of fundamental concepts to in-depth investigations of human behaviour.

### ASSOCIATE OF ARTS DEGREE IN PSYCHOLOGY

#### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

- Both of the following:  
PSYC 1115 and 1215
- 15 credits (5 courses) from the following:  
PSYC 2312, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2326, 2328, 2331, 2332, 2341, 2413, 2424, 2425, and 2426

# Recreation Leadership

Department: Langara School of Management

Division: Business and Community Programs

Program Type: Degree and Career

## OPTIONS

- Bachelor of Recreation Management
- Diploma in Recreation Leadership
- Bachelor of Recreation Management - (Third-Year Entry Program)

## BACHELOR OF RECREATION MANAGEMENT (THIRD-YEAR ENTRY PROGRAM)

### GENERAL INFORMATION

The Bachelor of Recreation Management (BRM) is a degree completion program (third and fourth year of a bachelor's degree) for students who have a recreation diploma or the equivalent (see Admissions Requirements) and who are interested in pursuing entry-level and middle-management careers in the Recreation field. The program is flexible and student-focused and combines a solid foundation in management theory and practical knowledge with specialized courses in recreation. Students will work closely with recreation organizations, applying their knowledge to real-life situations as they learn.

The third and fourth year of the BRM can be completed in two years (six semesters) if taken on a full-time basis. As many of today's students work full- or part-time, students have the option of completing the BRM on a full- or part-time basis. The program is designed to offer flexibility in delivery methods and all courses at the third- and fourth-year level are delivered online.

Students entering the BRM will have some experience in the recreation field, and in the final semester, students will work as members of a cross-functional consulting team for a recreation facility or organization on a major applied project.

Program intakes: January, May, and September

### Student Progression and Maintenance of Standing Requirements

Please note that students are responsible for their maintenance of standing while enrolled in the Bachelor of Recreation Management Program. In order to progress to the fourth year of the BRM, student must:

- Achieve a minimum 'C' grade in all third-year courses
- Have a minimum CGPA of 2.33
- Students unable to maintain this minimum will not be permitted to advance. Furthermore, students must achieve a minimum CGPA of 2.33 and a minimum 'C' grade in all courses that are part of the third- and fourth-year BRM curriculum in order to receive a Bachelor of Recreation Management.

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

There are two access routes for admission to the third-year of the Bachelor of Recreation Management (BRM) Program. Students admitted to the third-year of the program will have completed at least 60 credits in one of the following ways:

1. Graduation with a minimum CGPA of 2.33 from a recreation diploma program at Langara College or from another recognized post-secondary institution.

NOTE: Based on an evaluation of the courses completed as part of their recreation diploma program, students may need to complete some or all of the bridging courses listed below before being admitted to the program.

#### Bridging Courses

- Six credits of first-year, university-transferable English or Communications courses with a minimum 'C' grade.
- MARK 1115

2. For those without a Recreation Diploma, the completion of at least 60 credits of university-transferable courses, including six credits of English or Communications (minimum 'C' grade), with a minimum CGPA of 2.33 in the most recent 60 credits, combined with related recreation employment. NOTE: Based on an evaluation of the courses completed as part of their program of study, students may need to complete some or all of the bridging courses listed below before being admitted to the program.

#### Bridging Courses

- MARK 1115
- RECR 1160 or HKIN 1161

### Documents Required for Application Evaluation

Completed application for admission form.

- Official transcripts (if applicable)
- LET or LPI scores (if applicable)

### CURRICULUM (for the Third and Fourth Year)

To obtain a Bachelor of Recreation Management (BRM) Degree, students are required to complete a minimum of 60 credits in the third and fourth year of the program (minimum 120 credits in total for the degree). Students may take the online courses on a full-time or part-time basis.

Listed below are the courses required to receive a Bachelor of Recreation Management Degree. Although some courses in the program are required as prerequisites for others, there is considerable flexibility in the order that most courses may be taken. A departmental advisor is available to discuss a course sequence appropriate to the student's personal goals. As not all courses will be offered in every semester, students should take care when planning their course schedule.

### CURRICULUM

1. All of the following (60 Credits):

BUSM 2115  
BUSM 2200  
BUSM 4120  
BUSM 4200  
CMNS 2228  
FMGT 1116  
LIBR 3210  
MARK 2100  
MARK 3250  
RECR 3120  
RECR 3160  
RECR 3200 or MARK 3100  
RECR 3230  
RECR 3260  
RECR 4150  
RECR 4160  
RECR 4270  
RECR 4300

2. Two General Education Electives (6 credits)

A general education elective is defined to be any course in a subject area other than RECR, BUSM, COOP, FMGT, INTB or MARK that has assigned or unassigned transfer credit at UBC, SFU, UVIC or UNBC.

NOTE: Students are advised to review individual course descriptions for prerequisites.

## DIPLOMA IN RECREATION LEADERSHIP

### GENERAL INFORMATION

The Diploma in Recreation Leadership Program combines a strong foundation in the concepts and theory of recreation and leisure with leadership, communication, and business skills development tailored to a recreation practitioner.

Practical experience is emphasized throughout the program, both in the classroom and in the field. In the Diploma, students will gain a well-rounded and thorough understanding of the field of recreation, including facilities and other environments. Each student will have the opportunity to develop their personal portfolio within the recreation field and to directly apply their knowledge during internship.

Students will learn how to effectively lead, instruct, facilitate, motivate, and supervise within the recreation field. They will learn how to design, implement and market quality programs, services and special events for diverse participants. These skill sets will be able to be applied in a recreation, health promotion, community service, tourism, and/or volunteer setting.

Graduates of the Diploma in Recreation Leadership Program have the skills, knowledge and ability for direct leadership, instructor, and some entry-level supervisory jobs. With experience and on-going professional development, graduates can build a career in recreation or put this leadership skill set to use in another field.

Upon receipt of the Diploma in Recreation Leadership, students are eligible to apply to the Bachelor of Recreation Management (BRM) Degree. The BRM, a two-year, full-time, fully online program provides the next step toward a management position in community recreation.

Program intake: September

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

Completion of BC Grade 12 or equivalent, or be 19 years of age.

One of the following:

LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Program Requirements

- Previous participation in at least one area of recreation such as community projects, sports, fitness, creative arts, social recreation, inclusive recreation, outdoor recreation, or facility maintenance and management. This can be demonstrated through the letters of reference and the resume; see below.
- Three letters of reference where referees (letter writers) assess student's match with the program.
- A personal resume summarizing the student's experiences in the areas of education, employment, recreation participation, interests, hobbies, and volunteering.
- A Supplemental Recreation Program Application - This application is a questionnaire that seeks the students' input on their goals and education expectations.
- An interview by program faculty may be required.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

Completed application for admission and application supplement forms.

- Official transcript(s).
- Three letters of reference.
- Resume
- LET or LPI scores (if applicable).
- Application and Supporting Documents Deadline

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Program Notes

- Before the first day of classes, a medical examination indicating good emotional, physical, and psychological health may be required for the outdoor field school as part of the RECR 1162 course in Term 1. Upon acceptance to the program, students will receive a package from the field school operator that includes information about this requirement.

## CURRICULUM

### TERM 1 (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1127 or 1128 or CMNS 1115	3
RECR 1160	3
RECR 1162	3
RECR 1170	3
University-transferable elective	3

### TERM 2 (TOTAL: 18 CREDITS)

Course No.	Credits
ENGL 1129 or 1130 or CMNS 1118	3
PSYC 2317	3
RECR 1166	3
RECR 1168	3
RECR 1270	3
RECR 2288	3

### TERM 3 (TOTAL: 18 CREDITS)

Course No.	Credits
BUSM 1100	3
MARK 1115	3
RECR 2260	3
RECR 2361	3
RECR 2388	3
RECR 2470	3

### TERM 4 (TOTAL: 12 CREDITS)

Course No.	Credits
RECR 2487 or 2497	12

## GRADING

Program students must complete all Recreation courses with a minimum of 'C-' (or an 'S' in courses graded S/U) to be eligible to register in RECR 2487 or 2497 in the final semester. If missing three credits in one non-Recreation course, a program student must contact the Department Chair, in writing, requesting to enroll in either RECR 2487 or RECR 2497.

Students earning an 'F' or 'U' in any Recreation course will be unable to continue in the program. For a student with a 'D' in two Recreation courses, written approval may be granted by the Department Chair to permit the student to continue in the program.

## Science (General)

Program Type: Arts and Science

### OPTIONS

- Associate of Science Degree
- Diploma in Arts and Science

### ASSOCIATE OF SCIENCE DEGREE (A.S.C.)

The Associate of Science Degree requires the successful completion of 20 courses (minimum 60 credits) that have assigned or unassigned credit at Simon Fraser University, the University of British Columbia, the University of Victoria, or the University of Northern British Columbia.

Within the 20 courses (minimum 60 credits), students must complete:

1. 6 credits in Mathematics which shall include at least 3 credits in Calculus;
2. 12 courses (minimum 36 credits) in science, which shall include at least 3 credits in a laboratory science. These must include a minimum of 6 courses (at least 18 credits) in Science at the second-year level taken in two or more subject areas.
3. 6 credits in first-year English; and
4. 6 credits in first- or second-year Arts other than English (excluding Mathematics and laboratory-based science courses); and
5. 2 courses (minimum 6 credits) of first- or second-year Arts, Science or other university-transfer courses. (Students may include university-transfer credit from career program and Human Kinetics and Recreation course offerings);
6. The last 50% of the courses used towards the associate degree at Langara College within the last five years; and
7. All courses used towards the degree with a cumulative GPA of 2.0, including a minimum cumulative GPA of 2.0 in all Langara College courses used towards the degree.

No course may be used to meet more than one of the specific requirements.

In addition to the regular Associate of Science Degree (Science - General), Langara College offers Associate of Science Degrees in the following concentrations:

- Biology (General)
- Biology (Molecular/Microbiology)
- Chemistry
- Computer Science
- Dietetics
- Ecology
- Environmental Studies
- Health Sciences
- Physics
- Mathematics

## ASSOCIATE DEGREE DEFINITIONS

- First-year and Second-year Courses
- A first-year course is defined as a course which has assigned or unassigned transfer credit at the 100-level at UBC, SFU, UVic or UNBC.
- A second-year course is defined as a course which has assigned or unassigned transfer credit at the 200 level or higher at UBC, SFU, UVic or UNBC.
- An arts course is defined to be any first or second-year course in a subject area for which there is a Bachelor of Arts degree at UBC, SFU, UVic or UNBC.
- A science course is defined to be any first or second-year course in a subject area for which there is a Bachelor of Science degree or a Bachelor of Applied Science degree at UBC, SFU, UVic or UNBC. A laboratory science is one in which a substantial component of student instruction involves the study of natural phenomena.

### NOTE:

For a classification of Langara College courses, i.e., humanities, social science, arts, science and lab-science, see the online course description.

## DIPLOMA IN ARTS AND SCIENCE

### GENERAL INFORMATION

The Diploma in Arts and Science requirements allow for considerable flexibility in the choice of courses that a student may complete. Students can design their curriculum to meet their own needs or interests or to meet the requirements for further study. In addition to the general Arts and Science Diploma, Langara College offers Arts and Science Diplomas with the following concentrations:

- Aboriginal Studies
- Applied Computer Science and Technology
- Asian Studies
- Canadian Studies
- Classical Studies
- Commerce
- Environmental Studies
- Family Studies
- Health Sciences: (Arts)
- Health Sciences: (Science)
- Latin American Studies
- Peace and Conflict Studies
- Women's Studies

Program intakes: January, May, and September

## DIPLOMA REQUIREMENTS

20 courses (at least 60 credits) including:

1. At least 15 courses (minimum 45 credits) from the following disciplines: Aboriginal Studies, Art History, Anthropology, Astronomy, Biology, Canadian Studies, Chemistry, Chinese, Classical Studies, Communications, Computer Science, Economics, English (students must complete one of ENGL 1127 and ENGL 1128 and one of ENGL 1129 and ENGL 1130), Environmental Studies, Family Studies, French, Geography, Geology, Greek, History, Japanese, Latin, Latin American Studies, Mathematics, Pacific Rim, Peace and Conflict Studies, Philosophy, Physics, Political Science, Psychology, Religious Studies, Sociology, Spanish, Statistics, Women's Studies.
2. 15 credits from the above-mentioned courses, career program courses, or human kinetics and recreation courses.

### NOTE:

A small number of courses, such as MATH 1100, cannot be used towards a diploma. Please refer to the course description section of this Calendar.

## Social Service Worker

Department: Social Service Worker

Division: Social Sciences

Program Type: Career

### OPTIONS

- Certificate in Social Service Worker
- Diploma in Social Service Worker (Co-ordinated)

### GENERAL INFORMATION

The nine-month (September through May) Social Service Worker Program prepares students for employment at the entry level in a variety of social service and health-related agencies. The program provides a combination of academic, experiential and community-based learning and focuses on the theory and practice of delivering basic social services. Students take eight courses each term including Arts and Science support courses. The support courses may be taken in advance of entering the program. The program emphasizes practical skills that are transferable to a wide range of community social services including interviewing, problem solving, team-work, self-care, working in supervised environments, assessment, and referral.

The Certificate in Social Service Worker is awarded to students who successfully complete the two four-month terms and subsequent five-week block practicum. A Diploma in Social Service Worker (Co-ordinated) is awarded to students who have also completed an additional 30 credits of academic studies at Langara College. Students enter the program in September.

Employment opportunities for graduates of the Social Service Worker Program vary based on new and emerging needs, funding priorities, development of new services, and expansion of existing programs. Graduates of the program find employment in both private and public sector agencies and in a variety of programs. Among the types of organizations and services that employ graduates are Neighbourhood Houses, youth service agencies, family centres, women's programs, immigrant service agencies, rehabilitation centres, First Nations bands and councils, advocacy organizations, social and recreational programs, the Ministry of Human Resources and the Ministry for Children and Families.

Some organizations will require the completion of a criminal record check for field placements and employment. In addition, some employers may require a valid BC driver's license.

Program intake: September

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

Completion of BC Grade 12 or equivalent or be 19 years of age or older.

- Minimum 3 credits of university-transferable courses with a grade point of 2.00 or higher.
- One of the following:
  - LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

#### Program Requirements

- Completed Social Service Worker application supplement form (available at the Registrar's Office or on the Web).
- An interview conducted by program faculty.
- Demonstrated emotional maturity, independence, and an affinity for working with people.
- Previous experience in work related to the social services, either paid work or a minimum of 60 hours of volunteer work.
- Two letters of reference from employers or supervisors. One letter must be from a human service agency or organization.
- Good knowledge of the English language and the ability to speak and write clearly and correctly.

#### Program Preferences

- Preference is given to candidates who are at least 21 years of age by the time they enter the program. Opportunities for the required practicum placements for students under 21 years of age are limited.

### Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application and application supplement forms.
- Official transcripts.
- Two letters of reference.
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

### Program Notes

- The program is demanding; therefore, students are advised to complete the academic support courses in advance of admission to the program.
- Program participation and employment in the social services field require commitments of physical and emotional energies.

### NOTE:

- Be sure to check the prerequisites for the Arts and Science courses that are part of the program.

## DIPLOMA IN SOCIAL SERVICE WORKER (CO-ORDINATED)

To receive the Diploma in Social Service Worker (Co-ordinated), students must successfully complete the Certificate in Social Service Worker and a minimum 30 credits (minimum 10 courses) including a minimum 24 credits (minimum 8 courses) of university-transferable courses that have science, social science, or humanities attributes, and 6 credits (2 courses) of any course eligible to be used towards a Langara College credential. Six credits of the credits required for this diploma must be from the offerings of the English Department. A link to course attribute information can be found in the course description.

Unless students transfer in courses earned before they began the Social Service Worker program, they must complete the 10 courses at Langara. Refer to Co-ordinated Programs information for details.

## Theatre Arts at Studio 58

Department: Theatre Arts  
Division: Creative Arts  
Program Type: Career

### OPTIONS

- Diploma in Theatre Arts at Studio 58 (Acting)
- Diploma in Theatre Arts at Studio 58 (Production)

### GENERAL INFORMATION

Theatre Arts at Studio 58 offers a three-year Acting Diploma Program and a two-year Production Diploma Program designed to prepare students for a professional career in theatre, film, television, and related arts.

The programs graduate actors and production personnel who have a professional level of commitment and aptitude and who have acquired the skills to become contributing members of these professions.

The instructors are professional working artists in their respective fields. We maintain a close liaison with professional companies in Vancouver, casting agents, and directors, most of whom regularly employ our graduates.

Intake is limited to ensure students receive intensive individual training.

Some lecture and theory are part of the training, but the practical application of various skills is given greatest emphasis.

### ACTING OPTION

Particular emphasis is placed on the development of an integrated voice and body as an expressive tool. Communication with the audience and fellow actors is stressed. Students are also encouraged to develop their creative contribution to the theatre process. The acting option comprises six terms. The emphasis in Terms 1, 2 and 3 is on class and project work. Students in Terms 1, 2 and 3 must also participate in extensive crew work on Studio 58 productions. Students in Terms 4, 5 and 6, while continuing with class work, devote most of their time to rehearsal and performance. Attention is also paid to developing audition techniques for film and television and preparation of audition material to be used upon graduation. Acting for film and television is also covered.

## CERTIFICATE IN SOCIAL SERVICE WORKER

### CURRICULUM

#### FIRST TERM (TOTAL: 19 CREDITS)

Course No.	Credits
ENGL 1127 or 1128	3
PSYC 1115	3
SSRV 1115	3
SSRV 1116	2
SSRV 1117	3
SSRV 1118	3
SSRV 1131	1
SSRV 1132	1

#### SECOND TERM (TOTAL: 23 CREDITS)

Course No.	Credits
ENGL 1129 or 1130	3
PSYC 1215	3
SSRV 1119	3
SSRV 1120	3
SSRV 1121	3
SSRV 1219	2
SSRV 1231 *	5
SSRV 1232	1

\* Includes five-week block practicum at the end of the program.



## PRODUCTION OPTION

This program is designed for individuals with previous backstage theatre experience who wish to learn and develop additional skills in a practical theatre setting. Prospective students should have a clear notion in which areas of technical/backstage theatre they wish to concentrate their studies. The Production Option, after the first term, consists of classwork, practicum and directed studies.

This option is not a general interest course in technical theatre. Students will be given projects related to their field of study and will have the opportunity to work with professional designers and directors. Students are given a well-rounded understanding of acting, voice, and movement in their first term. After the first term, production students assume major responsibilities on Studio 58 productions.

The Production Option comprises four terms.

Program intakes:

Diploma in Theatre Arts at Studio 58

(Acting) - January and September

Diploma in Theatre Arts at Studio 58

(Production) - January

### ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

#### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:
  - LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### Program Requirements

- Admission is dependent on the successful completion of an audition. Students must demonstrate sufficient talent indicating they have the potential to become a professional person in the theatre arts.
- Applicants must indicate a high degree of commitment to pursuing a professional career in the theatre, film, TV, and related arts. Auditions take place in April and May.
- Good knowledge of the English language including the ability to speak, read aloud, and write clearly and correctly.

### Program Preferences

- Applicants who are at least 19 years of age.
- Two years of post-secondary education and/or work experience not necessarily related to theatre arts.

### Documents Required for Application Evaluation

- Completed application for admission form indicating which option desired: the Acting Option or the Production Option.
- Should they be successful in their auditions, students must submit the following documents to complete their applications:
  - Official transcript(s).
  - LET or LPI scores (if applicable).

### Application and Supporting Documents Deadline

- March 31. The Acting Option has intakes in September and January; the Production Option has an intake in January. Auditions for both options take place in April and May.

### Program Notes:

- It is strongly recommended that students be financially able to support themselves WITHOUT having to work during the term. Because theatre arts students are requested to put in long and often irregular hours, including evenings and weekends, having an outside job is extremely difficult.
- Students enrolled in the first four terms of the Acting Option are not permitted to take any performing jobs while registered in these terms. Senior students in both acting and production options sometimes are given the opportunity to gain additional experience by working with professional theatres in Vancouver and working on a film/TV project.

### Auditions

- **Acting:** For potential acting students, the audition will consist of the presentation of memorized monologues, improvisations, and a sight-reading.
- **Production:** For potential production students, admission will be determined through an audition (see above) as well as completion of a project and an extensive interview.

Auditions for both Acting and Production Options are held in late April, early May in Vancouver, Edmonton, Toronto, and Ottawa. \$50 Audition fee required.

Acting students are accepted to begin in September and January.

Production students are accepted to begin in January only.

### Grading

**Acting:** To be eligible for the second and third terms, students must receive a minimum 'C' grade in all subjects. To be eligible for the fourth and fifth terms, students must receive a minimum 'B-' grade in Acting and a minimum 'C' in all other subjects. To be eligible for the sixth term, students must receive a minimum 'B-' in THEA 2350 at the end of the fifth term.

**Production:** To be eligible for the second term, students must receive a minimum 'C' in all subjects. To be eligible for the third and fourth terms, students must receive a minimum 'B-' in THEA 2150 or 2250.

### Repeating

For the policy on repeating, please contact the Theatre Arts Department. Students wishing to switch their option may do so only with the approval of the Theatre Arts Department Chair/Artistic Director.

### Materials and Fees

- Students must pay a materials fee at the beginning of each term to cover the cost of theatre tickets, scripts, tapes, etc.
- They must provide outfits for movement work as required by their instructor. They are also expected to provide make-up as required, and to be prepared to have their hair cut or styled whenever needed for a part in a production.
- Production students will be required to purchase additional equipment and materials.
- An additional fee for head shots is required in the final term.

### Course of Study

Unless granted previous credit for university or college-level first-year English, students must enrol in the total program.

### NOTE:

Theatre Arts at Studio 58 Program curriculum is constantly under review to ensure it meets the needs of the profession.

## DIPLOMA IN THEATRE ARTS AT STUDIO 58 (ACTING)

### CURRICULUM

#### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1181 or 1127 or 1128 *	3
THEA 1120	3
THEA 1140	3
THEA 1110	3
THEA 1130	3

\* or any 3 credit university-transferable English course for which Langara College awards credit.

#### SECOND TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1127 or 1128 or 1191 *	3
THEA 1220	3
THEA 1240	3
THEA 1210	3
THEA 1230	3

\* or any 3 credit university-transferable English course for which Langara College awards credit.

#### THIRD TERM (TOTAL: 13 CREDITS)

Course No.	Credits
THEA 2110	4
THEA 2120	3
THEA 2140	3
THEA 2130	3

#### FOURTH TERM (TOTAL: 13 CREDITS)

Course No.	Credits
THEA 2210	4
THEA 2220	3
THEA 2240	3
THEA 2230	3

#### FIFTH TERM (TOTAL: 15 CREDITS)

Course No.	Credits
THEA 3150	15

#### SIXTH TERM (TOTAL: 15 CREDITS)

Course No.	Credits
THEA 3250	15

## DIPLOMA IN THEATRE ARTS AT STUDIO 58 (PRODUCTION)

### CURRICULUM

#### FIRST TERM (TOTAL: 15 CREDITS)

Course No.	Credits
ENGL 1181 or 1127 or 1128 *	3
THEA 1120	3
THEA 1140	3
THEA 1110	3
THEA 1130	3

\* or any 3 credit university-transferable English course for which Langara College awards credit.

#### SECOND TERM (TOTAL: 16 CREDITS)

Course No.	Credits
ENGL 1127 or 1128 or 1191 *	3
THEA 2150	13

\* or any 3 credit university-transferable English course for which Langara College awards credit.

#### THIRD TERM (TOTAL: 15 CREDITS)

Course No.	Credits
THEA 2250	15

#### FOURTH TERM (TOTAL: 15 CREDITS)

Course No.	Credits
THEA 2300	15

# Web Technology

Department: Computer Science and Information Systems  
Division: Mathematics and Sciences  
Program Type: Arts and Science Limited Enrolment

## GENERAL INFORMATION

The Web Technology Certificate Program is designed for individuals who want to enter the information technology (IT) field. The program emphasizes Web development and computing and provides a solid foundation for the technical side of e-business. The program prepares students for meeting the challenges of Web technology by providing them life-long opportunities for academic and career advancement through one year of exclusive education. It trains students through a variety of courses including introduction to computer science, Web development and programming, multimedia and animations, operating systems, and databases.

## ADMISSION REQUIREMENTS

Please refer to the information regarding general requirements for Admission and Application to Langara College programs.

### Academic Requirements

- Completion of BC Grade 12 or equivalent, or be 19 years of age or older.
- One of the following:  
LET with a minimum level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, ENGL 1108, or ENGL 1110

## NOTES:

- Students who do not meet the above English requirements may be admitted to the program as determined by the department. Students admitted with the missing admission requirement will be notified in their acceptance letter of the conditions of their acceptance, and they will be required to meet with the department to plan their program of study.
- Students not meeting the English requirement will be required to sit the LET in their first semester in the program to attempt to attain a LET with a minimum level of 3. If students do not attain the required score, they will be required to take English foundation courses.
- Two courses (CPSC 1150 or CPSC 1155) in the program have a mathematics or computer science requirement. See the prerequisites for CPSC 1150 or CPSC 1155 for details or consult with the Department.
- Students admitted on a conditional basis must complete all program requirements to be eligible for graduation.
- Substitution of courses or exemptions may be made. Consult with the Department.

## Program Requirements

- Good knowledge of the English language including the ability to write and speak clearly and to read, understand, and interpret information accurately.
- An interview with the Academic Co-ordinator.

## Documents Required for Application Evaluation

(Applications will not be considered until all documents have been received.)

- Completed application for admission form.
- Official transcript(s).
- LET or LPI scores (if applicable).

Please refer to the program application dates in the Application for Admission section in this Calendar.

## CERTIFICATE IN WEB TECHNOLOGY

### CURRICULUM

Students must complete at least 10 courses (minimum 30 credits) including:

1. CPSC 1030  
CPSC 1150 or CPSC 1155  
CPSC 1220  
CPSC 1280  
CPSC 2030  
CPSC 2130  
CPSC 2261
2. One of the following: CPSC 1000, CPSC 1050, CPSC 1480, CSIS 1410
3. Two CPSC or CSIS courses (minimum 6 credits) numbered 1160 and above.

## Women's Studies

Department: Interdisciplinary Studies

Division: Humanities

Program Type: Arts and Science

### OPTIONS

- Associate of Arts Degree in Women's Studies
- Diploma in Arts and Science (Women's Studies)

### ASSOCIATE OF ARTS DEGREE IN WOMEN'S STUDIES

#### CURRICULUM

Within the framework of the general requirements of the Associate of Arts Degree, students must complete at least 20 courses (minimum 60 credits) including:

1. All the following:  
WMST 1116 and 1216  
WMST 2272 or 2274  
WMST 1105 (Colloquium - no credits, no fee)
2. At least three courses from the following:  
WMST 2272 or 2274 (whichever was not taken in No. 1 above)  
WMST 1195  
WMST 1220  
Certain sections of the following courses. These course/sections must contain a minimum 30% Women's Studies content - please see the Program Co-ordinator for further information:  
ABST 1115, 1116  
AHIS 1112, 1212, 1113, 1115, 1215, 1117, 1114, 1214, 1119, 1301, 1302  
ANTH 2260  
CLST 1102  
CNST 1120, 1130, 1140  
ECON 1119  
ENGL 2234, 2237, 2256  
HIST 1116, 1126, 1155  
LAMS 1101  
PCCN 1202  
RELS 1220, 1230  
SOC 1121, 2220, 2250

## DIPLOMA IN ARTS AND SCIENCE (WOMEN'S STUDIES)

#### CURRICULUM

Within the framework of the general requirements of the Diploma in Arts and Science, students must complete at least 20 courses (minimum 60 credits) including:

1. All the following:  
WMST 1116 and 1216  
WMST 2272 or 2274  
WMST 1105 (Colloquium - no credits, no fee)
2. At least three courses from the following:  
WMST 2272 or 2274 (whichever was not taken in No. 1 above)  
WMST 1195  
WMST 1220  
Certain sections of the following courses. These course/sections must contain a minimum 30% Women's Studies content - please see the Program Co-ordinator for further information:  
ABST 1115, 1116  
AHIS 1112, 1212, 1113, 1115, 1215, 1117, 1114, 1214, 1119, 1301, 1302  
ANTH 2260  
CLST 1102  
CNST 1120, 1130, 1140  
ECON 1119  
ENGL 2234, 2237, 2256  
HIST 1116, 1126, 1155  
LAMS 1101  
PCCN 1202  
RELS 1220, 1230  
SOC 1121, 2220, 2250



# Langara College Course Information

# Langara Course Information

## INTRODUCTION

A course at Langara College normally consists of three or more hours of classwork or equivalent per week in one subject area for a four-month period.

## COURSE DESCRIPTIONS

The courses listed in this Calendar with few exceptions will be offered at Langara College during the three semesters comprising the 2009/2010 College year. Not all courses will be offered during any one semester. Information on semester course offerings are included in the Registration Guide and Course Schedule, which is available approximately two months before the beginning of each semester.

## COURSE NUMBERING

The first digit in the four-digit number indicates the year level as determined by Langara College. Please note that some courses which have a first digit of '1' may transfer as a second-year course at some universities and that some with the first digit of '2' may transfer as a first-year course. Students can refer to the British Columbia Transfer Guide available online at [www.bctransferguide.ca](http://www.bctransferguide.ca) or to the institution to which they want to transfer for transfer credit information.

## PREREQUISITES

A prerequisite is a requirement students must fulfill before registering in a course. Unless otherwise noted, a minimum 'C-' or 'S' grade in the prerequisite course is required. As well as courses, prerequisites may include minimum scores on placement tests, departmental permission, or acceptance into a particular program.

Prerequisite requirements, where applicable, are included in the course descriptions. Additional prerequisite information may be included in departmental information at the beginning of each course subject listing. For some career program courses, specific prerequisites are not indicated because admission to these courses generally depends on the degree of student success in the previous term of the program.

## ASSOCIATE DEGREE COURSE ATTRIBUTES

Course attributes are descriptions assigned to Langara College courses to help students determine how these courses meet associate degree requirements. These attributes are assigned based on how current Langara College courses transfer to the BC research universities: UBC, UBCO, SFU, UVIC, and UNBC.

Course attributes are meant solely for the purpose of determining how a course meets associate degree requirements, and they reflect how the course currently transfers to at least one of the BC research universities. For example, a first-year course at Langara College may be given a second-year attribute because it transfers to at least one of the universities as a second-year course. This Langara College course may transfer to all of the other universities as a first-year course.

### CREDITS

A standard credit represents a minimum of one hour per week of classroom work or equivalent for a semester. Most courses carry three credits but require more than three hours of classroom work or the equivalent in laboratories, seminars, tutorials, etc.

Credits are indicated in parentheses immediately after each course number.

### TRANSFERABILITY OF COURSES

Students can refer to the British Columbia Transfer Guide (online at [www.bctransferguide.ca](http://www.bctransferguide.ca)) or contact the receiving institution to obtain information on the transferability of Langara College courses. Information on the transferability of courses is also available from the Counselling Department.

### HOURS OF INSTRUCTION

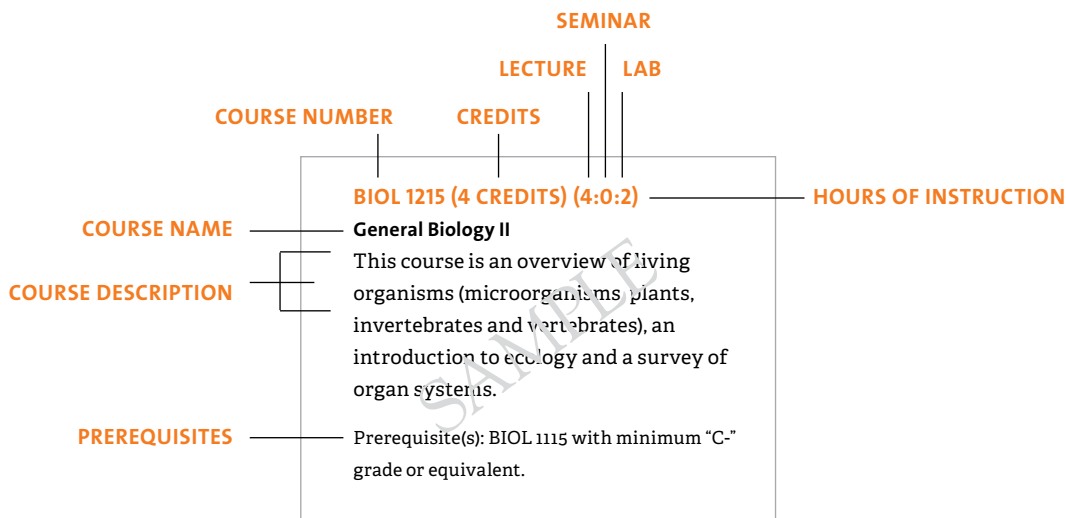
Hours of instruction appear after the course credits in a series of three numbers. The first number indicates the hours of lecture; the second, the hours of seminar; the third, the hours of laboratory time required each week. These numbers are approximate; instructors may adjust these allotments to meet successfully the learning goals of individual classes. Courses offered in a non-traditional format, e.g., online courses, will have equivalent instructional time that comprises independent, guided study.

### HALF-SEMESTER COURSES

Langara College offers a limited number of courses each semester in seven-week sessions. The seven-week session courses are listed in the Registration Guide and Course Schedule with section numbers prefaced by an 'A' or 'B', e.g., ENGL 1127-A01.

### DISTANCE EDUCATION COURSES - ONLINE OR GUIDED INDEPENDENT STUDY

Distance education courses are recommended only for students who are confident of their ability to work independently. Like all Langara College courses, they must be completed during the semester in which students enrol. For further information on these courses or on how to register for them, refer to the Registration Guide and Course Schedule.





# Langara Course Information

## COURSES AND SUBJECT CODE TABLE

Courses	Subject Code
Aboriginal Studies	ABST
Art History	AHIS
Anthropology	ANTH
Applied Urban and Rural Planning	APPL
Asian Studies	ASIA
Astronomy	ASTR
Business Computer Applications	BCAP
Biology	BIOL
Business Management	BUSM
Chemistry	CHEM
Chinese	CHIN
Cooperative Education	COOP
Criminal Justice	CJUS
Classical Studies	CLST
Communications	CMNS
Canadian Studies	CNST
Computer Science	CPSC
Computing Sci. & Info. Systems	CSIS
Criminology	CRIM
Design	DSGN
Early Childhood Education	ECED
Economics	ECON
Education Assistant	EDAS
English	ENGL
Environmental Studies	ENVS
Film Arts	FLMA
Fine Arts	FINA
Financial Management	FMGT
Family Studies	FMST
Field Studies - International	FSIE
Field Studies - Canadian	FSCA
French	FREN
Foodservices	FSRV

Courses	Subject Code
Geography	GEOG
Geology	GEOL
Greek	GREK
Health Sciences	HSCI
History	HIST
Human Kinetics	HKIN
Human Performance	HMPF
International Business	INTB
Japanese	JAPN
Journalism	JOUR
Latin	LATN
Latin American Studies	LAMS
Library	LIBR
Marketing	MARK
Mathematics	MATH
Nursing	NURS
Nutrition	NUTR
Peace and Conflict Studies	PCCN
Philosophy	PHIL
Photography	PHOT
Physical Education	PHED
Physics	PHYS
Political Science	POLI
Psychology	PSYC
Publishing	PUBL
Recreation	RECR
Religious Studies	RELS
Social Service Worker	SSRV
Sociology	SOCI
Spanish	SPAN
Statistics	STAT
Theatre Arts	THEA
Women's Studies	WMST

# Langara College Courses

# Aboriginal Studies

(ABST)

## ABST 1100 (3 CREDITS) (3:0:0)

### Canadian Aboriginal Experience (Formerly: Aboriginal Colonial Experience)

This introductory course examines the experience of the Aboriginal peoples of Canada from pre-contact to present. This course focuses on the relationship between Aboriginal people and the migrants to Canada with an emphasis on British Columbia.

## ABST 1102 (3 CREDITS) (3:0:0)

### Aboriginal Culture, Identity and Community

This course provides students with an introduction to Indigenous worldviews, philosophies and identities. The cultural, historical, societal, spiritual and psychological dimensions of pre-contact societies will be explored thus providing a framework for understanding traditional strengths of Indigenous communities, families and individuals. Students will develop conceptual and personal frameworks to better understand the relationship of Indigenous identity to cultural, social, spiritual, and personal values.

## ABST 1104 (3 CREDITS) (4:0:0)

### Canadian Indian Policy

An introduction to British and Canadian Indian Policy from contact to the present. This course examines the legislation and policy governing the Aboriginal peoples of Canada and British Columbia. Emphasis will be on a critical examination of the various Indian Acts.

Note: Students with credit for ABST 1101 or 2209 should not take ABST 1104 for further credit.

## ABST 1105 (0 CREDITS) (2:0:0)

### Aboriginal Studies Seminar I

This bi-weekly seminar will provide a supportive atmosphere for all program students and faculty. The discourse will include all related program issues and will regularly include Elders and guest speakers.

Note: Mandatory attendance and participation required. Students must satisfactorily complete 3 of the 4 seminars (ABST 1105, 1106, 1107, 1108).

## ABST 1106 (0 CREDITS) (2:0:0)

### Aboriginal Studies Seminar II

This bi-weekly seminar will provide a supportive atmosphere for all program students and faculty. The discourse will include all related program issues and will regularly include Elders and guest speakers.

Note: Mandatory attendance and participation required. Students must satisfactorily complete 3 of the 4 seminars (ABST 1105, 1106, 1107, 1108).

## ABST 1107 (0 CREDITS) (2:0:0)

### Aboriginal Studies Seminar III

This bi-weekly seminar will provide a supportive atmosphere for all program students and faculty. The discourse will include all related program issues and will regularly include Elders and guest speakers.

Note: Mandatory attendance and participation required. Students must satisfactorily complete 3 of the 4 seminars (ABST 1105, 1106, 1107, 1108).

## ABST 1108 (0 CREDITS) (2:0:0)

### Aboriginal Studies Seminar IV

This bi-weekly seminar will provide a supportive atmosphere for all program students and faculty. The discourse will include all related program issues and will regularly include Elders and guest speakers.

Note: Mandatory attendance and participation required. Students must satisfactorily complete 3 of the 4 seminars (ABST 1105, 1106, 1107, 1108).

## ABST 1115 (3 CREDITS) (4:0:0)

### Aboriginal Contemporary Issues (Formerly: Contemporary Social Issues for Aboriginal People)

This course examines the contemporary issues facing Aboriginal people. A variety of current issues will be examined along with their historical origins.

## ABST 1116 (3 CREDITS) (4:0:0)

### Aboriginal Women in Canada (Formerly: The Roles of Aboriginal Women in Canada)

This course explores Aboriginal women in Canada from both historic and contemporary perspectives. A holistic and interactive approach will be used.

## ABST 1150 (3 CREDITS) (3:0:0)

### Global Indigenous Perspectives (Formerly: International Indigenous Perspectives and the Law)

This course surveys Aboriginal people from around the world: their different perspectives and different histories. Particular attention will be paid to the recognition of Aboriginal rights and the struggle for self-determination. Applicable international law and the international bodies will also be examined.

## ABST 1200 (3 CREDITS) (4:0:0)

### Criminal Justice and Aboriginal People (Formerly: Aboriginal People and the Criminal Justice System)

This course surveys the history of the application of criminal law with respect to Aboriginal people. This course examines the impact of the Criminal Code and the Criminal Justice System on Aboriginal life in Canada while focusing on contemporary conditions and the potential for reform.

## ABST 1206 (3 CREDITS) (3:0:1)

### Physical Resources and Aboriginal People

This course will critically examine and explore the relationship between Aboriginal people and physical resources. Both Aboriginal and Western perspectives will be reviewed and discussed regarding the following physical resources: land and environment, water, forestry, fisheries, minerals, agriculture, wildlife management, mining and energy. For each of the preceding, the Aboriginal perspective will be discussed and followed by a full description of the resource and the relevant government legislation and non-governmental organizations (NGOs). Case studies and the laboratory will support the student. This course will be of interest to any one interested in natural resources.

### **ABST 1207 (3 CREDITS) (3:1:0)**

#### **Aboriginal Traditional Knowledge and Contemporary Science**

This science course will integrate Aboriginal Traditional knowledge with the basic elements of the physical and biological sciences. Contemporary science will be examined and compared with Aboriginal Traditional Knowledge. The Aboriginal concepts of nature, governance, origin accounts, knowledge systems, and stewardship issues, amongst other topics, will be explored. The course will be taught from an Aboriginal perspective that is respectful of culture and Traditional Knowledge, yet attentive of the realities of contemporary science.

### **ABST 2100 (3 CREDITS) (4:0:0)**

#### **Aboriginal Community - Applied Research**

The research must be an approved topic related to Aboriginal community issues and development. The research will be supervised by a tutor and must be in co-operation with at least one Aboriginal community. The research should be relevant to the needs of the community, or communities in question.

Prerequisite(s): ABST 1100, 1101 or 1104, 1120, 1200, 1115, and 1116.

Corequisite(s): ABST 2101

### **ABST 2101 (3 CREDITS) (4:0:0)**

#### **Aboriginal Community - Directed Readings**

This course will be an examination and analysis of the literature pertaining to the approved applied research topic (ABST 2100) under the supervision of a tutor.

Prerequisite(s): ABST 1100, 1101 or 1104, 1120, 1200, 1115, and 1116.

Corequisite(s): ABST 2100

### **ABST 2120 (3 CREDITS) (3:0:1)**

#### **Canadian Aboriginal Law**

#### **(Formerly: The Canadian Constitution and Aboriginal People)**

This course examines relations between Aboriginal people and the Canadian government including treaties, modern treaty-making, political negotiations, legislation, and the recognition of Aboriginal rights under the Canadian constitution. The role of Aboriginal law and traditions will be included as well as contemporary changes, reforms, and the potential these have for Aboriginal self-government.

### **ABST 2202 (3 CREDITS) (3:0:1)**

#### **Haida Gwaii: Land, People, and Culture**

This course provides students with a comprehensive overview of Haida Gwaii and its land, people, and culture. Students will be provided with both conceptual and personal frameworks through which they will understand the unique history, geography, arts, culture and traditions of the Haida People. Haida elders and community members will frequently be guest speakers. A holistic, interdisciplinary and interactive approach will be used. This course is offered for the Haida Gwaii Field School students.

### **ABST 2230 (3 CREDITS) (3:0:0)**

#### **Aboriginal Community Development**

#### **(Formerly: Aboriginal Community Development and Sustainability)**

This course focuses on Aboriginal community development and the needs of Aboriginal communities now and in the future. Strategies for success will be examined as Aboriginal communities move toward self-reliance. Case studies will be used to explore course concepts.

### **ABST 2240 (3 CREDITS) (3:0:0)**

#### **Urban Aboriginal Strategies**

#### **(Formerly: Aboriginal Urbanization)**

Since 1951 there has been a rapid growth in the number of First Nations Canadians living in the city. Despite this there has been little academic attention given to the systemic study of Canadian Aboriginal peoples living in urban centres. This course introduces students to the problems and prospects faced by Canadian First Nations people in urban environments. Topics include migration, housing, employment, and a critical examination of government policy regarding acculturation and assimilation.

## **Anthropology**

### **(ANTH)**

### **ANTH 1120 (3 CREDITS) (3:1:0)**

#### **Introduction to Cultural Anthropology**

An introduction to the study of human cultures. Topics include methods, some theory and a consideration of how people obtain their living (subsistence, economy), how they live together (social structure, marriage, law etc.) and their beliefs and practices (religion, arts, rituals etc.)

### **ANTH 1131 (3 CREDITS) (3:1:0)**

#### **Introduction to Physical Anthropology and Human Origins**

A survey of the physical and behavioral evolution of humans from the time of the earliest primates to the present; a discussion of fossil material, interpretations and theories as well as some genetics and primatology.

### **ANTH 1132 (3 CREDITS) (3:1:0)**

#### **Introduction to Archaeology**

An introduction to the study of human prehistory; an examination of the evidence for human cultural evolution; and a consideration of the various motives, methods and techniques that have been involved in reconstructing past cultures.

### **ANTH 1150 (3 CREDITS) (3:1:0)**

#### **Regional Studies in Anthropology: Pacific Northwest**

#### **(Formerly: Pacific Northwest Cultural Studies)**

An introduction to historic indigenous cultures of the Pacific Northwest Coast from northern California to Alaska. This is a survey course that considers the nature of the diversity of the people and cultures of the area from an ethnohistoric perspective. Topics may include subsistence and settlement patterns, language, world view, myth and art forms.

### **ANTH 1160 (3 CREDITS) (3:1:0)**

#### **Regional Studies in Anthropology: Latin America**

An introduction to and overview of cultural development and diversity in Latin America from pre-conquest times to the present. The student will be given a broad theoretical perspective to selected topics of anthropological interest. This is a survey course and is intended to give a comprehensive background and a base for future studies.

**ANTH 1170 (3 CREDITS) (3:1:0)****An Introduction to Myth and Folklore**

A survey of the area of mythology, folklore and legend. Topics include types of myths, their functions in culture, theoretical approaches to their study, and a discussion of modern mythology. The student will be given a broad perspective of an important part of world view.

**ANTH 1180 (3 CREDITS) (3:1:0)****Aboriginal Cultures of British Columbia**

An introduction to the origins and development of Interior and Coastal peoples. This survey course will consider the earliest cultural evidence, the development of regional diversity and the indigenous cultures at the time of contact.

**ANTH 1185 (3 CREDITS) (3:1:0)****Prehistory of the Mediterranean**

A regional survey of the prehistoric cultures of the areas bordering the Mediterranean, covering the time from the Neolithic to the Classical period and tracing the origins of Classical civilizations through archaeological techniques.

**ANTH 1190 (3 CREDITS) (3:1:0)****Visual Anthropology**

This course examines the history of ethnographic film and explores issues of film production and viewing. It examines issues concerning the creation of knowledge, ethics of representation, practical film-making constraints, and the nature of past anthropological use of film.

**ANTH 1195 (3 CREDITS) (4:0:0)****Special Topics**

This number is reserved for Anthropology courses that may be offered from time to time by: a) Anthropology faculty who may wish to present a course in their speciality; or b) visiting Anthropology lecturers. Announcements regarding this course offering and its prerequisites, if any, will be announced in the *Registration Guide* and *Course Schedule*.

**ANTH 1221 (6 CREDITS) (0:0:40)****Field Techniques in Archaeology**

A course in practical archaeological method and theory involving field work. Course objectives include the recovery and interpretation of archaeological data as well as the acquisition of skills such as photography, mapping, computer applications and preparation of reports. Fieldwork for six to eight weeks and classroom/lab for seven weeks.

Prerequisite(s): Permission of the instructor.

**ANTH 1222 (3 CREDITS) (1:0:3)****Methods in Archaeology: Laboratory Analysis**

A course in practical archaeological laboratory analysis techniques. Analysis of cultural materials obtained from current and past Archaeology Field Schools forms the basis of this course. Analytical techniques include artifact conservation, typology and function. Ancillary techniques include analysis and interpretation of sediments, landforms, floral remains, faunal remains, and radiometric sample preparation, among others.

Prerequisite(s): Permission of the instructor.

Note: ANTH 1222 is scheduled to run concurrently with ANTH 1221 during the Summer Semester, but it may also be offered in the Fall and Spring Semesters.

**ANTH 1223 (3 CREDITS) (1:0:3)****Methods in Archaeology: Geospatial Analysis**

A course which introduces students to the field of spatial analysis. Students will participate in lectures, labs and data collection. Starting with pace and compass mapping, students will then be introduced to Global Positioning Systems (GPS), Geographic Information Systems (GIS), operation of a Total Base System and associated computer applications.

Prerequisite(s): ANTH 1221, ANTH 1222 or permission of instructor.

**ANTH 1224 (3 CREDITS) (3:1:0)****Ethnoarchaeology**

This course will investigate how the study of contemporary cultures can contribute to our understanding of the behavioural relationships that underlie the production and patterning of material culture in archaeological sites.

**ANTH 1295 (3 CREDITS) (4:0:0)****Special Topics**

This number is reserved for Anthropology courses that may be offered from time to time by: a) Anthropology Faculty who may wish to present a course in their speciality; or b) visiting Anthropology lecturers. Announcements regarding this course offering and prerequisites, if any, will be announced in the *Registration Guide* and *Course Schedule*.

**ANTH 1400 (3 CREDITS) (3:0:1)****Forensic Anthropology**

Forensic Anthropology deals with human remains resulting from unexplained deaths, including skeletal and fossil remains from the archaeological and palaeontological records. This course focuses primarily on the recovery and analysis of skeletal human remains, explaining methodologies by which they can provide data for the medico-legal system (the courts). Foci of the course emphasize field recovery and laboratory analysis.

**ANTH 1500 (3 CREDITS) (3:1:0)****Introduction to Medical Anthropology**

Medical anthropology takes a cross-cultural and evolutionary perspective on illness and health. Its central focus is the body and our experience of our social selves through the physical. The course discusses the universal human experience of the world through the body, yet approaches the subject through specific research in biological anthropology, sociology, cultural anthropology, and psychiatry that is directly related to the cultural experience of illness and wellness at particular life stages. This course is broadening to all students, but it is especially helpful to health professionals in a multi-cultural society.

**ANTH 2230 (3 CREDITS) (3:1:0)****Archaeology of the New World**

A survey of the prehistoric cultures of North, Central and South America, from human entry into the New World to the time of European settlement.

Prerequisite(s): ANTH 1132 or consent of the instructor.

### **ANTH 2231 (3 CREDITS) (3:0:1)**

#### **Primate Behaviour**

The study of nonhuman primate behaviour in an evolutionary context. Students in the course will explore the relation between environment and primate anatomy, social structure, and intelligence.

Prerequisite(s): A minimum 'C' grade in one of ANTH 1131, BIOL 1115 or 1116; or permission of the instructor.

### **ANTH 2233 (3 CREDITS) (3:0:1)**

#### **Hominid Evolution: The Fossil Record of Our Origins**

An in-depth study of fossil hominids in their environments, with discussion of the interpretation of this evidence in the story of human evolution.

Prerequisite(s): A minimum 'C' grade in one of the following: ANTH 1131, 1132, 2231, BIOL 1115, 1116; or permission of instructor.

### **ANTH 2234 (3 CREDITS) (3:1:0)**

#### **Ancient Civilization: Origins, Development and Collapse**

The origins and development of urban cultures and attendant states and empires represents one of the most important institutions of the modern global community. Between 10-15,000 years ago some populations began to aggregate in year-round villages based upon horticulture and/or agriculture. This led to the development of the earliest urban centres. Today, the majority of the global population lives in cities thanks to agricultural-industrial economies. This course investigates the process of cultural developments arising from settled lifestyles, food production systems, and the development of complex socio-political institutions, including models of cultural collapse. A regional focus is followed using examples from the Near East, Easter Island and the Andean region of South America.

### **ANTH 2240 (3 CREDITS) (3:1:0)**

#### **Anthropology of North American Aboriginal Peoples**

An introduction to North American Aboriginal people. This is a survey course that covers the period from early historic times to the present, and will consider selected contemporary issues.

Prerequisite(s): ANTH 1120, 1150, or 1180; or permission of the instructor.

### **ANTH 2250 (3 CREDITS) (3:1:0)**

#### **Anthropology of Religion**

This course offers students a comparative, cross-cultural investigation of religious beliefs, teachings, practices, and movements; and several theoretical approaches to explore the relationships between religion, culture and the individual.

Prerequisite(s): One of the following: ANTH 1120, SOCI 1120, SOCI 1121, or RELS 1110.

### **ANTH 2260 (3 CREDITS) (3:1:0)**

#### **Gender in Cross-Cultural Perspectives**

This course will provide a cross-cultural survey of the nature and diversity of gender relations and their sociocultural expression. Explanations and theories of gender inequality drawn from anthropological research will be considered, as will selected areas of topical interest.

Prerequisite(s): A minimum 'C' grade in one of ANTH 1120, SOCI 1120, or SOCI 1121; or permission of the instructor.

### **ANTH 2270 (3 CREDITS) (3:1:0)**

#### **Anthropology of Food**

Food is universally important - whether for basic sustenance and personal well-being, as a basis for defining identities, symbolizing beliefs, as a political tool or as a consequence of modern agriculture and technology. This survey course will provide an anthropological perspective and analysis of a variety of selected topics from traditional foodways to contemporary issues.

Prerequisite(s): ANTH 1120, SOCI 1120, or SOCI 1121; or permission of the instructor.

## **Applied Planning**

### **(APPL)**

### **APPL 1105 (0 CREDITS) (0:0:0)**

#### **Applied Planning Seminar**

This non-credit seminar, compulsory for students in the Applied Urban and Rural Planning Program, employs guest speakers to discuss current issues in planning. Graded S/U.

### **APPL 1110 (3 CREDITS) (3:1:0)**

#### **Introduction to Planning**

This course is intended as an introduction and overview of the basics of urban planning. Students will gain a preliminary understanding of the elements and practice of planning. They will be able to relate these to current planning issues in the Vancouver Region.

Prerequisite(s): One of the following: LET with a minimum Level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### **APPL 1130 (3 CREDITS) (3:1:0)**

#### **Introduction to Planning Methods**

This course provides an introduction to planning methods in the context of urban planning issues in Canada. The course explores essential methods for data collection, including land-use surveys, data interpretation, analysis and presentation. The course will review important Canadian and BC data sources, focusing on population, housing, employment, and commercial and industrial data. Students will apply these methods in practical case studies and assignments. Through team assignments, students will develop skills in working in teams, and graphical and oral presentation.

Prerequisite(s): One of the following: LET with a minimum Level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

Corequisite(s): APPL 1110.

**APPL 1140 (3 CREDITS) (3:1:0)****Advanced Planning Methods  
(Formerly: APPL 2340)**

This course follows on from Introduction to Planning Methods, introducing students to important research approaches used in the preparation of planning and policy studies for urban planning at the local and regional levels. Advanced methods explored in the course will include population projections, housing needs analysis, retail demand and supply analysis studies, use requirements, and traffic impact and transportation studies.

Prerequisite(s): APPL 1130 and 1210; or permission of the program co-ordinator.

Note: Students will receive credit for only one of APPL 1140 and APPL 2340.

**APPL 1205 (0 CREDITS) (0:0:0)****Applied Planning Seminar II**

This non-credit seminar, compulsory for students in the Applied Urban and Rural Planning Program, employs guest speakers to discuss current issues in planning. Graded S/U.

**APPL 1210 (3 CREDITS) (3:1:0)****Urban Planning**

Using case studies, this course focuses on urban planning functions, including neighbourhood design, subdivision, zoning, and planning policy development.

Prerequisite(s): APPL 1110 or 1130; or permission of the program co-ordinator.

**APPL 2305 (0 CREDITS) (0:0:0)****Applied Planning Seminar III**

This non-credit seminar, compulsory for students in the Applied Urban and Rural Planning Program, employs guest speakers to discuss current issues in planning. Graded S/U.

Prerequisite(s): APPL 1105.

**APPL 2310 (3 CREDITS) (3:1:0)****Environmental Planning**

Environmental planning requires an appreciation of how the natural and physical environment can be protected and the constraints they impose on urban and rural development. Students will receive an introduction to the main issues to be addressed by planners, and indications of the implications for regional policy and site analysis. The course combines consideration of the major topics, with a series of case studies on environmental planning.

Prerequisite(s): Any two of APPL 1110, 1130, 1140, 1210; or BIOL 1118 or 1115; or permission of the program co-ordinator.

**APPL 2320 (3 CREDITS) (2:0:3)****Introduction to Geographic Information Systems****(Formerly: Introduction to Geographical Information Systems)**

This is an introductory course in Geographic Information Systems (GIS), including data formats, topology, data acquisition, data quality management, inventory operations, basic analysis and display, including theme mapping and land suitability analysis. In weekly computer lab sessions, students will learn the commonly used GIS software, ArcView GIS.

**APPL 2330 (3 CREDITS) (2:0:2)****Land Development**

In this course on Land Development, students are introduced to subdivision planning and regulation, and methods of computer aided design for the preparation of subdivision and neighbourhood plans.

Prerequisite(s): APPL 1110, 1210, 1130 and 2310. APPL 2310 may be taken concurrently.

**APPL 2340 (3 CREDITS) (3:1:0)****Advanced Planning Methods  
(Formerly: APPL 1140)**

This course follows on from Introduction to Planning Methods, introducing students to important research approaches used in the preparation of planning and policy studies for urban planning at the local and regional levels. Advanced methods explored in the course will include population projections, housing needs analysis, retail demand and supply analysis studies, use requirements, and traffic impact and transportation studies.

Prerequisite(s): APPL 1130 and 1210; or permission of the program co-ordinator.

Note: Students will receive credit for only one of APPL 1140 and APPL 2340.

**NEW APPL 2350 (3 CREDITS) (0:8.5:0)****Applied Planning Practicum**

This practicum provides the opportunity for students to gain experience and become familiar with the processes, procedures and policies of a planning organization. A typical practicum will involve a minimum of 13 days of placement. An equivalent time in a different format may be acceptable subject to the approval of the Program Coordinator. Practicum students will work under the supervision of the planning organization supervisor or manager. Successful completion of the practicum will require successful completion of the assignments determined by the organization supervisor or manager, and completion of Department Practicum Reports.

Prerequisite(s): APPL 1110, 1130, 1210, and 2430; or with permission of the Program Co-ordinator.

**APPL 2405 (0 CREDITS) (0:0:0)****Applied Planning Seminar IV**

This non-credit seminar, compulsory for students in the Applied Urban and Rural Planning Program, employs guest speakers to discuss current issues in planning. Graded S/U.

Prerequisite(s): APPL 1205.

### **APPL 2410 (3 CREDITS) (3:1:0)**

#### **Rural and Small Town Planning**

Using case studies, this course focuses on planning functions in rural settings and small towns. Special attention is given to identifying physical hazards to development, land suitability analysis, managing urban development in rural areas, community economic development, and planning for First Nations.

Prerequisite(s): APPL 1210 and 2310; or permission of the program co-ordinator.

### **APPL 2420 (3 CREDITS) (3:0:2)**

#### **Planning Applications of Geographic Information Systems**

Following on from Introduction to Geographical Information Systems, this course introduces students to more advanced GIS elements, including preparation and management of geodatabases, working with projected coordinate systems, creation of data layers, digitising, and advanced analysis techniques. Working on practical planning assignments using ArcView GIS software, students will practice a range of applied spatial analysis techniques, including suitability analysis, buffer analysis, and data querying by location and attributes, and cartographic presentation.

Prerequisite(s): APPL 2320

### **APPL 2430 (3 CREDITS) (3:1:0)**

#### **Planning Process and Law**

This course represents an introduction to the legal tools used to regulate the use of land. The course uses a case study approach to look at the constitutional framework, powers and limitations, public control over private property, and the various acts that control land use and development. Included will be an in depth look at planning legislation as it applies to British Columbia

Prerequisite(s): APPL 1110; or permission of the program co-ordinator.

### **APPL 2440 (3 CREDITS) (2:0:2)**

#### **Planning Sustainable Cities**

(Formerly: Community Land Use Planning)

In this course, students prepare a community land-use plan for a small neighbourhood. In doing so, students will be drawing on the wide range of skills they have developed during the Applied Urban and Rural Planning Program, preparing a detailed area plan for a local municipal setting.

Prerequisite(s): APPL 1110, 1130, 1140, 1210, 2310, 2320, 2410, 2420 and 2430. APPL 2410 and 2430 may be taken concurrently.

### **APPL 2460 (3 CREDITS) (0:1:7)**

#### **Applied Planning Research**

APPL 2460 is a client-based research project and is offered only when an appropriate client is available. The course provides students with an excellent opportunity to apply the planning skills acquired in previous courses.

Prerequisite(s): A minimum 'A' grade in both APPL 1130 and 1210; or permission of the program co-ordinator.

## **Art History**

(AHIS)

### **AHIS 1110 (6 CREDITS) (9:0:0)**

#### **European Art in Context**

An External Studies Program designed to allow students to study European painting, sculpture and architecture in context throughout various locations. Students will be encouraged to evaluate artworks where site or location of the piece becomes important to establish the historical impact on the creative process itself. Specific artists and styles of art will be examined on location in both private and public museums, galleries and cultural centres where significant impact on art in history has occurred. Students will be required to complete regular assignments and specified assessments in the field to successfully complete the course. This course requires at least eight weeks in the field and two to three weeks of on-campus instruction, lectures and orientation.

Prerequisite(s): Admission to the European External Studies Program and consent of the instructor.

### **AHIS 1112 (3 CREDITS) (3:1:0)**

#### **Visual Culture I**

Visual culture is examined from a global and thematic perspective in order for students to gain a better understanding of how art communicates ideas, values, and beliefs. Students will develop visual and conceptual skills essential for analyzing and critically interpreting a wide range of visual imagery.

### **AHIS 1113 (3 CREDITS) (3:1:0)**

#### **Nineteenth Century Art History**

This course is a chronological survey of the visual art and architecture of Europe and North America in the nineteenth century. The course familiarizes students with academic, salon, and avant-garde art with an emphasis on the dominance of French art. Issues of gender, class and race are addressed in relation to the historical context and development of stylistic categories such as Neo-Classicism, Romanticism, Realism, Impressionism and Art Nouveau.



### **AHIS 1114 (3 CREDITS) (3:1:0)**

#### **History of Western Art I**

This course is a chronological survey of western painting, sculpture and architecture from Prehistory to the Renaissance. Art works will be studied in the context of the political, economic and social developments of each period.

### **AHIS 1115 (3 CREDITS) (3:1:0)**

#### **History of Asian Arts I**

This course is an introductory, chronological survey of the ceramics, sculpture, architecture and painting of India, China, Korea, Japan, Indonesia, Central Asia, Tibet and Southeast Asia. The art will be studied in relation to the political, social and cultural contexts from prehistoric times to the origins and spread of Buddhist and Hindu art styles and secular imagery.

### **AHIS 1117 (3 CREDITS) (3:1:0)**

#### **Indigenous Art of the Americas**

This is an introductory survey of the indigenous arts of South, Central and North America including ceramics, architecture, sculpture, painting and textiles from prehistoric to historic contexts. Emphasis will be placed upon the arts of Mexico, Guatemala, Peru and the Pacific Northwest. The art works will be studied in relation to social, cultural, and political issues as appropriate.

### **AHIS 1118 (3 CREDITS) (3:1:0)**

#### **Art of Renaissance Italy**

This course is a study of the art and architecture of Renaissance Italy from the late thirteenth century through to the sixteenth century.

### **AHIS 1119 (3 CREDITS) (4:0:0)**

#### **Oh Canada! Art, Identity, and Cultural Politics (Formerly: Art of Canada)**

What is Canada and how is Canadian art defined? This and other debates will be examined in a chronological survey of Canadian art from the 18th century to the present. This course will engage students with Canadian art in relation to issues of nationalism, colonialism, race, gender, and cultural identity.

### **AHIS 1195 (3 CREDITS) (3:1:0)**

#### **Special Topics I**

These numbers are reserved for Art History courses that may be offered from time to time by: a) Art History faculty who may wish to present a course in their speciality; or b) visiting Art History lecturers

Note: Announcements regarding AHIS 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

### **AHIS 1210 (3 CREDITS) (4:0:0)**

#### **Monumental Artworks in Context**

This course examines various artworks and critically evaluates primary relationships to areas of concern such as location, artistic impact, stylization, mythology, historic ideology, and finally the importance of the artistic achievements themselves. Specific monuments will be established by the instructor based on the location of the External Studies Program. Students will be encouraged to look at specific artworks critically and evaluate the historical contributions made by each monument of work chosen. Artworks will be discussed as historically significant and therefore, each student will be asked to assess the importance of these works as they contribute to our understanding of art in history. Students will be required to complete regular assignments and specified assessments in the field to successfully complete the course. This course requires at least forty-eight hours of instruction, inclusive of on-campus lectures, orientation and field work.

Prerequisite(s): Admission to the European External Studies Program and consent of the instructor.

Note: This course may be run concurrently with AHIS 1110 (6 credits) or individually, as a special topics Art History External Studies course in a specified location.

### **AHIS 1212 (3 CREDITS) (3:1:0)**

#### **Visual Culture II**

This course examines themes encountered in visual culture with an emphasis on issues of power, politics, race, social class, and the body. The relationship between visual imagery and the social context in which it is created will be examined in order to foster critical interpretation.

### **AHIS 1214 (3 CREDITS) (3:1:0)**

#### **History of Western Art II**

This course familiarizes students with the chronological approach to the history of art from the Renaissance through Baroque, Rococo and 19th century to the modern and postmodern periods. Art works will be examined in relation to relevant political, economic and social factors of each historical period.

### **AHIS 1215 (3 CREDITS) (3:1:0)**

#### **History of Asian Arts II**

This course is a chronological survey of the ceramics, sculpture, architecture and painting of China, Korea and Japan. Art works will be studied within the historical context of each period and related political, social and cultural factors will be considered. Both secular and Buddhist art will be examined in relation to influences, theory and appropriate issues as relevant.

### **AHIS 1216 (3 CREDITS) (3:0:0)**

#### **Women, Art and Society**

This course will explore feminist issues in western art from both historical and thematic perspectives. Critical consideration will be given to the representation of women in art, women's absence from art history, issues of gender identity, social class, race, and the changing role of women in contemporary art.

### **NEW AHIS 1217 (3 CREDITS) (3:0:0)**

#### **From Plop Art to Graffiti: Issues in Public Art**

This course will explore the history and complex issues surrounding one of the most controversial forms of art in our culture - art in public places. Beginning with an overview of the historical significance of public art, we will focus primarily on the diversity of movements as they emerge within the context of dramatic social change in the 20th century up to the present. Tradition, corporate agendas and politics clash with the avant-garde, vandalism and activism on the streets of our cities. Public art acts as a barometer of and catalyst to shifts in society. We will examine art in the urban landscape that is at the centre of many debates, including the ownership and function of public space, censorship, homelessness, environmental crisis, and public health and safety.

### **NEW AHIS 1218 (3 CREDITS) (3:0:0)**

#### **Intoxicating Encounters: Images of Global Exchange, 1492-1900**

The final years of the 15th century heralded a new imagining of the world. Direct contact between Europe, Asia and the Americas ushered in a period of commercial, cultural and technological exchange. But its result was far greater than the mere exchange of commodities and currencies. The encounters between Asia, America and Europe signaled not only the beginnings of a global market but also a global consciousness that transformed the everyday experiences of millions of people. This course will focus on images that represent the conflict and convergence of cultures in the fervor for scientific and geographical knowledge that coexisted with the expansion of eastern and western empires from 1492 into the early 19th century. While the course will generally follow a historic chronology, the material content will be thematic including such topics as the impact of intoxicants and stimulants such as opium, tobacco, tea, coffee and cacao on local economies and foreign sociability; the devastation of populations in Europe and the Americas as a result of the transfer of disease; European bourgeois clothing and its tie to the fur trade in Canada; origin myths; and maps as evidence of claim to contested territories, to name but a few.

### **AHIS 1295 (3 CREDITS) (3:1:0)**

#### **Special Topics II**

These numbers are reserved for Art History courses that may be offered from time to time by: a) Art History faculty who may wish to present a course in their speciality; or b) visiting Art History lecturers.

Note: Announcements regarding AHIS 1295 offerings will be made in the *Registration Guide* and *Course Schedule*.

### **AHIS 1301 (3 CREDITS) (4:0:0)**

#### **Modern Art I**

This course is a chronological survey of modern art and modernism and its development in the first half of the twentieth century. The major art movements, artworks and theories will be considered within their historical context.

### **AHIS 1302 (3 CREDITS) (4:0:0)**

#### **Modern Art II**

This course is a chronological survey of modernism in its later stages and international contemporary art to the present. The important issues, theories, and variety of forms visual art has taken in recent decades will be considered.

## **Asian Studies**

### **(ASIA)**

Asian Studies courses are open to all students.

### **ASIA 1100 (3 CREDITS) (3:1:0)**

#### **Introduction to Traditional Asia**

A study of the origins of Asian cultures, focusing on the great civilizations of India and China, how these centers interacted together, and why the resulting "Asian" culture spread to Korea, Japan, Central Asia, Tibet, and Southeast Asia.

### **ASIA 1101 (3 CREDITS) (3:1:0)**

#### **Introduction to Modern Asia**

A survey of selected aspects of the emergence of modern Asia. An introduction to the basic conceptual tools needed to understand how, despite the political, economic, social and cultural changes of recent centuries, the various peoples of Asia have maintained distinctive cultural identities.

Note: ASIA 1100 highly recommended.

### **ASIA 1105 (0 CREDITS) (0:2:0)**

#### **Asian Studies Seminar I**

Non-credit, non-fee course consisting of a series of lectures and community-based experiences focusing on Asian studies and issues. Required for the Arts and Science (Asian Studies) Diploma and the Associate of Arts with a concentration in Asian Studies.

### **ASIA 1106 (0 CREDITS) (0:2:0)**

#### **Asian Studies Seminar II**

Non-credit, non-fee course consisting of a series of lectures and community-based experiences focusing on Asian studies and issues. Required for the Arts and Science (Asian Studies) Diploma and the Associate of Arts with a concentration in Asian Studies.

**ASIA 1125 (3 CREDITS) (3:1:0)****Introduction to East Asia (China)**

Geographical, cultural and historical background of China. Ideological, social and political aspects of China's development placed in historical context.

**ASIA 1130 (3 CREDITS) (3:1:0)****Introduction to Southeast Asia**

Geographical, cultural and historical background of Southeast Asia. Ideological, social and political aspects of the major countries of the region placed in historical context.

**ASIA 1135 (3 CREDITS) (3:1:0)****Introduction to East Asia (Japan)**

Geographical, cultural and historical background of Japan. Ideological, social and political aspects of Japan's development placed in historical context.

**ASIA 1140 (3 CREDITS) (3:1:0)****Cross-Cultural Perspectives I**

Comparative analysis of selected cultures and societies. Topics include language and communication, cultural diversity, family and kinship, myth and religion, power and authority, business and social practices, social and economic inequality, technological impact, and conflict and control.

**ASIA 1145 (3 CREDITS) (3:0:1)****Introduction to Thai Language and Culture I**

ASIA 1145 is an introduction to the basic conversational patterns and vocabulary of Standard Thai, using the international phonetic system to show clearly the sounds of Thai. Students learn to speak Thai in basic interaction situations.

**ASIA 1170 (3 CREDITS) (3:1:0)****Imperialism in China (19th Century)**

This course provides an interpretive account of the development of imperialism in China in the nineteenth century. The course will concentrate on the political, economic and social impacts of imperialism on China and China's response to the western challenge.

**ASIA 1195 (3 CREDITS) (3:1:0)****Special Topics I**

This number is reserved for Asian Studies courses that may be offered from time to time by: a) College Asian Studies Program Faculty who may wish to present a course in their specialty; or b) Visiting lecturers from Asian countries.

Note: Announcements regarding ASIA 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

**ASIA 1215 (3 CREDITS) (3:1:0)****Japanese Society and Culture**

A survey of modern Japanese life with special attention given to social organization and cultural patterns and behavior. Topics include family, education, gender and ethnic relations, class and other inequalities, and the influence of globalization.

**ASIA 1225 (3 CREDITS) (3:1:0)****Contemporary China**

China's drive for modernization is explored with reference to the role of the Communist Party, the government and the individual. A survey of domestic policy and international relations.

**ASIA 1230 (3 CREDITS) (3:1:0)****Contemporary Southeast Asia**

The changing nature of social, political and economic relations among the A.S.E.A.N. and neighbouring countries is explored, including differing visions of "modernization" and differing responses to global change.

**ASIA 1235 (3 CREDITS) (3:1:0)****Contemporary Japan**

Japan's place in the world is explored with reference to the role of the government, society and the individual. A survey of domestic policy and international relations.

**ASIA 1240 (3 CREDITS) (3:1:0)****Cross-Cultural Perspectives II**

Comparative analysis of selected cultures and societies. Topics include language and communication, cultural diversity, family and kinship, myth and religion, power and authority, business and social practices, social and economic inequality, technological impact, and conflict and control.

**ASIA 1245 (3 CREDITS) (3:0:1)****Introduction to Thai Language and Culture II**

ASIA 1245 continues the grammar and vocabulary of ASIA 1145 and introduces the Thai script in a careful step-by-step manner. Students learn to write all the words they learned in ASIA 1145 and to use a Thai script dictionary.

Prerequisite(s): ASIA 1145.

**ASIA 1270 (3 CREDITS) (3:1:0)****Modern China and the West (20th Century)**

This course provides a historical survey of China's political, economic and cultural relations with the West (including the Soviet Union) in the twentieth century. The focus of the course will be put on interpreting how these relations have contributed to the making of modern China.

**ASIA 1295 (3 CREDITS) (3:1:0)****Special Topics II**

This number is reserved for Asian Studies courses that may be offered from time to time by: a) College Asian Studies Program Faculty who may wish to present a course in their specialty; or b) Visiting lecturers from Asian countries.

Note: Announcements regarding ASIA 1295 offerings will be made in the *Registration Guide* and *Course Schedule*.

**ASIA 2200 (3 CREDITS) (3:1:0)****Cultural Foundations of East Asia**

A survey of selected beliefs, values and assumptions that have shaped the civilizations of East Asia over the centuries. Identification of commonalities and differences among the peoples of East Asia in both traditional and contemporary environments.

Prerequisite(s): ASIA 1100 and one of ASIA 1101, 1140, 1240, 1225, 1230, 1235; or ASIA 1101 and one of ASIA 1100, 1140, 1240, 1225, 1230, 1235.

### **ASIA 2208 (3 CREDITS) (3:1:0)**

#### **Cultural Foundations of South Asia**

This course is a survey of the cultural, social, and historical fundamentals of South Asian civilization. The intent of this survey is to study links from past to present. Classes will examine the main features of South Asian civilization developed in the period ca. 2000 BCE to 1700 CE, and apply them to modern and contemporary South Asia.

Prerequisite(s): ASIA 1100 and one of ASIA 1101, 1140, 1240, 1225, 1230, 1235; or ASIA 1101 and one of ASIA 1100, 1140, 1240, 1225, 1230, 1235.

### **ASIA 2209 (3 CREDITS) (3:1:0)**

#### **Cultural Foundations of Southeast Asia**

A comparative survey of the different cultures found in the communities of Southeast Asia. Focus will be upon language and literature, arts, religion, society and polity, ideologies and belief systems in the past and in modern times.

Prerequisite(s): ASIA 1100 and one of ASIA 1101, 1140, 1240, 1225, 1230, 1235; or ASIA 1101 and one of ASIA 1100, 1140, 1240, 1225, 1230, 1235.

### **NEW ASIA 2215 (3 CREDITS) (3:1:0)**

#### **Japan Through Popular Culture**

This course seeks to develop an historical, theoretical, and thematic understanding of contemporary Japanese popular culture and mass media. The topics will include media such as manga, anime, TV dramas, cinema, advertisements, consumption, traditional theatrical performances, popular literature, music, fashion, and magazines. The themes focus on the representation of gender, the importance of fan culture, cultural/national identity and ethnicity, and the impact of globalization.

### **ASIA 2221 (6 CREDITS) (2:4:6)**

#### **Societal and Cultural Studies I**

Supervised projects and studies conducted on an overseas immersion basis in selected countries or areas of the Asia Pacific region. Orientation sessions and evaluation are held at Langara both prior to and upon return from overseas.

Note: See Field Studies.

### **ASIA 2222 (6 CREDITS) (2:4:6)**

#### **Societal and Cultural Studies II**

Supervised projects and studies conducted on an overseas immersion basis in selected countries or areas of the Asia Pacific region. Orientation sessions and evaluation are held at Langara both prior to and upon return from overseas.

Note: See Field Studies.

## **Astronomy**

### **(ASTR)**

### **ASTR 1101 (4 CREDITS) (4:0:2)**

#### **Introduction to the Solar System**

Lectures and labs will introduce the night sky and the solar system including the motions of celestial bodies on the celestial sphere and the use of different coordinate systems; orbits of planets and moons; the concept of comparative planetology; recent discoveries in the solar system; and optics and telescopes. The course will include the use of fundamental equations of physics.

Prerequisite(s): Physics 11 and Principles of Math 12

Note: Students will receive credit for only one of ASTR 1101, ASTR 3310 and PHYS 1205.

### **ASTR 1102 (4 CREDITS) (4:0:2)**

#### **Introduction to Stars and Galaxies**

Lectures and labs will introduce modern stellar and extragalactic astronomy including our place in the universe; the birth, life and death of stars; Einstein's theory of relativity and black holes; star-quakes; cosmology; and the search for extraterrestrial life. The course will include the use of fundamental equations of physics.

Prerequisite(s): Physics 11 and Principles of Math 12

Note: Students will receive credit for only one of ASTR 1102 and 3311.

### **ASTR 3310 (4 CREDITS) (4:0:2)**

#### **Exploring the Universe I: The Night Sky and Solar System**

Lectures and labs will introduce the night sky and the solar system including the motions of celestial bodies on the celestial sphere and the use of different coordinate systems; orbits of planets and moons; the concept of comparative planetology; recent discoveries in the solar system; and optics and telescopes. This is a conceptual and descriptive course based on labs and projects. The course will not include the use of advanced mathematics.

Note: This course is not intended for students transferring to UBC's Faculties of Science or Applied Science.

Prerequisite(s): 30 credits of post-secondary studies. This course is not intended for first-year students.

Note: Students will receive credit for only one of ASTR 1101, ASTR 3310 and PHYS 1205.

### **ASTR 3311 (4 CREDITS) (4:0:2)**

#### **Exploring the Universe II: Stars and Galaxies**

Lectures and labs will introduce modern stellar and extragalactic astronomy including our place in the universe; the birth, life and death of stars; Einstein's theory of relativity and black holes; star-quakes; cosmology; and the search for extraterrestrial life. The course will include the use of fundamental equations of physics. This is a conceptual and descriptive course based on labs and projects. The course will not include the use of advanced mathematics.

Note: This course is not intended for students transferring to UBC's Faculties of Science or Applied Science.

Prerequisite(s): 30 credits of post-secondary studies. This course is not intended for first-year students.

Note: Students will receive credit for only one of ASTR 1102 and 3311.

## **Biology (BIOL)**

### **Prerequisites**

Prerequisites for courses in biology are valid for only three years. Students wanting to register in a course for which the prerequisite was taken more than three years ago will require departmental permission.

### **Repeating a course**

A biology course may be taken only twice, regardless of the grade earned in the first enrolment. The department chair, or delegate, will decide on exceptions to this rule, usually on the basis of documented evidence of upgraded prerequisites.

### **Laboratory Requirements**

For any biology course that contains a laboratory, students must pass the laboratory portion of the course in order to obtain credit for the course.

Students repeating a biology course with a laboratory component will be required to participate in both the lecture and the laboratory of the course, whether or not they have previously passed the laboratory or lecture component.

### **Note**

Not all 2300 and 2400 level courses are offered every semester. Most 2400 level courses do not have a 2300 level prerequisite. Check the prerequisite information included in each course description.

The following courses are restricted to students participating in specific Field Studies Programs: BIOL 1185, 1395, 2285, 2286, 2319, 2322 and 2326.

### **BIOL 1115 (4 CREDITS) (4:0:2)**

#### **General Biology I**

An introduction to cell structures, physical and chemical properties of living matter, photosynthesis, cellular respiration, cell division and heredity, molecular genetics and evolution.

Prerequisite(s): One of the following: LET 3 (or LPI equivalent); minimum 'C+' grade in one of English 12 or English Literature 12; minimum 'C' grade in one of ENGL 1127, 1128, or CMNS 1115; or an 'S' grade in one of ENGL 1107, 1108, or 1110.

Note: BIOL 1115 and 1215 can be taken in either order. Students wanting to register into both BIOL 1115 and 1215 in the same semester require department permission.

### **BIOL 1116 (4 CREDITS) (4:0:2)**

#### **Concepts in Biology I - Human Biology**

The focus of this course is on human biology with an emphasis on matters of social importance in today's world. Major topics are human systems, metabolism and microbiology.

Note: BIOL 1116 and BIOL 1216 are designed for non-Science majors.

### **BIOL 1118 (4 CREDITS) (4:0:3)**

#### **Introduction to Environmental Ecology**

This course in ecology is intended primarily for students in the Environmental Studies Program pursuing an arts degree or diploma. Aspects of community ecology, human influences, land use conflicts, pollution, and sustainable options are emphasized. Local field work is required as part of the lab portion of the course.

Note: BIOL 1118 and BIOL 1218 are designed for non-Science majors.

### **BIOL 1175 (3 CREDITS) (4:0:0)**

#### **Introduction to Human Biology**

An introduction to human biology that covers the structure and function of cells, tissues, and selected human organ systems. Other topics include basic chemistry and microbiology.

Note: This online course is designed to fulfill the biology requirement of the Nutrition and Food Services Program and as a non-lab science requirement for arts majors.

### **BIOL 1185 (3 CREDITS) (4:0:2)**

#### **Human Ecology**

Human ecology is the study of relationships between people and the environment. This course will review how human relationships to the natural resources present in the area have changed over the period of human occupation. It will focus on the different relationships that a hunting/gathering culture and an industrial-based society have to their environment and use of food resources. The latter part of the course will examine contemporary land use practices and issues from a human ecological perspective. Offered as part of Fraser River Studies and Mekong River Studies.

Note: BIOL 1185 is designed for non-Science majors. This course is restricted to students participating in Fraser River Studies or Mekong River Studies.

### **BIOL 1190 (3 CREDITS) (4:0:2)**

#### **Health Science I - Human Anatomy and Physiology I**

An introduction to human structures and functions emphasizing basic physiology principles plus cell and tissue structure. Laboratory exercises will demonstrate underlying physiological processes.

Note: Priority registration is given to the Nursing students who are planning to enrol in BIOL 1191: Health Science II in the second term (some remaining seats may be available to students outside the program).

Prerequisite(s): A minimum 'C+' grade in Biology 11 or 12, or a minimum 'C' grade in one of the following: BIOL 1115, 1116, 1175, or 1216; and one of the following: LET level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 with a minimum 'C+' grade; BC English Literature 12 with a minimum 'C+' grade; a university-level English course for which Langara College awards transfer credit, with a minimum 'C-' grade; or an 'S' grade in one of ENGL 1107, 1108, or 1110.

Note: Students applying to the Nursing Program must meet all the admission requirements of the program, including the program's English requirement and BIOL 1190 with a minimum 'C+' grade.

### **BIOL 1191 (3 CREDITS) (4:0:2)**

#### **Health Science II: Human Anatomy and Physiology II**

A systems approach to the anatomy and the human body's normal function and maintenance, applying the material studied in BIOL 1190: Health Science I. Laboratory work will include gross and microscopic human anatomy plus physiological assessment of body function.

Prerequisite(s): BIOL 1190 with a minimum grade 'C' or permission of the Biology Department.

Note: Nursing Program students must achieve a minimum 'C+' grade in both BIOL 1190 and 1191 to meet program progression requirements.

### **BIOL 1215 (4 CREDITS) (4:0:2)**

#### **General Biology II**

This course is an overview of living organisms (microorganisms, plants, invertebrates and vertebrates), an introduction to ecology and a survey of organ systems.

Prerequisite(s): One of the following: LET 3 (or LPI equivalent); minimum 'C+' grade in one of English 12 or English Literature 12; minimum 'C' grade in one of ENGL 1127, 1128, or CMNS 1115; or an 'S' grade in one of ENGL 1107, 1108, or 1110.

Note: BIOL 1115 and 1215 can be taken in either order. Students wanting to register into both BIOL 1115 and 1215 in the same semester require department permission.

### **BIOL 1216 (4 CREDITS) (4:0:2)**

#### **Concepts in Biology II - Human Biology**

The focus of this course is on human biology with an emphasis on contemporary aspects of nutrition, ecology, populations, pollution, genetics and evolution.

Prerequisite(s): None. BIOL 1116 is recommended but not required.

Note: BIOL 1116 and BIOL 1216 are designed for non-Science majors.

### **BIOL 1218 (4 CREDITS) (4:0:3)**

#### **Biodiversity and Conservation Biology (Formerly: Environmental Studies II - Introduction to Ecology)**

After developing a foundation in ecological theory, students will examine issues in conservation biology. Major topics include the loss of biodiversity, habitat fragmentation, conservation genetics, wildlife management, sustainable forestry, and human ecology. Local field work is required as part of the lab portion of the course. This course is primarily for non-science majors interested in taking a biology course that emphasizes environmental issues.

Note: BIOL 1118 and BIOL 1218 are designed for non-Science majors.

### **BIOL 2105 (0 CREDITS) (0:0:8)**

#### **Biology Field School**

Students taking BIOL 2380, BIOL 2440 or BIOL 2450 must also register in BIOL 2105. The field school is located out-of-town (usually Bamfield Marine Station) and is three to four days long (includes a Saturday and Sunday). This course has a separate fee to cover the additional costs of running an off-campus course.

Corequisite(s): BIOL 2380, 2440, or 2450.

### **BIOL 2285 (3 CREDITS) (3:0:3)**

#### **Ecology of the Fraser River**

Ecology of terrestrial and aquatic communities of British Columbia, with particular reference to the Fraser River. Course topics include those of an introductory ecology course, with application to the Fraser River drainage basin. The laboratory component of this course requires participation in the Fraser River Studies rafting trip down the Fraser River, from Prince George to Vancouver. This is an intensive, field-oriented course offered in June and July as part of the Fraser River Studies.

Prerequisite(s): Minimum 'C' grade in both BIOL 1115 and BIOL 1215.

Note: This course is restricted to students participating in Fraser River Studies.

### **BIOL 2286 (3 CREDITS) (3:2:3)**

#### **Ecology of the Mekong River**

An introductory, science-transfer ecology course taught mostly in Thailand. The course will emphasize terrestrial and fresh water ecosystems using examples from the Mekong River Basin.

Prerequisite(s): BIOL 1115 and BIOL 1215 or equivalent with a minimum 'C-' grade.

Note: This course is restricted to students participating in Mekong River Studies.

### **BIOL 2290 (3 CREDITS) (4:2:0)**

#### **Health Science III: Pathophysiology I**

A discussion of the cellular aspect of disease processes and therapies, including overviews of pharmacology and a survey of infectious diseases. This course is aimed primarily at students in clinical sciences.

Prerequisite(s): A minimum 'C+' grade in both BIOL 1190 and BIOL 1191; and an 'S' in NURS 1100 or concurrent registration in NURS 1103; or permission of the Biology Department.

**BIOL 2291 (3 CREDITS) (4:2:0)****Health Science IV: Pathophysiology II**

The continuation of and completion of Health Science III.

Prerequisite(s): BIOL 2290 with a minimum 'C' grade or permission of the Biology Department.

**BIOL 2300 (3 CREDITS) (3:0:0)****Directed Studies****BIOL 2315 (3 CREDITS) (4:0:2)****Biochemistry**

A study of the chemistry of living systems, including a discussion of experimental techniques employed in cellular research. The laboratories introduce the student to DNA information technology.

Prerequisite(s): A minimum 'C+' grade in both BIOL 1115 and 1215; a minimum 'C' grade in CHEM 1220 with a minimum 'C' grade; or permission of the instructor. Successful completion or concurrent registration in CHEM 2316 and 2416 is recommended.

Note: Please note that at the Universities, credit for BIOL 2315 will be withheld until you have completed CHEM 2416 (or equivalent) successfully.

**BIOL 2330 (3 CREDITS) (4:0:2)****Introduction to Genetics**

An in-depth study of gene structure and function; mutations; Mitosis and Meiosis; Mendelian genetics; modified Mendelian ratios; sex-linkage; linked genes and chromosome mapping; variations in chromosome number; and population genetics. There is an emphasis on problem solving.

Prerequisite(s): A minimum 'C' grade in both BIOL 1115 and 1215; or permission of the instructor.

**BIOL 2340 (3 CREDITS) (4:0:3)****Vascular Botany**

An introduction to the biology of plants. Topics include an evolutionary survey of vascular plants (e.g., ferns, conifers, and flowering plants), anatomy, physiology, and ecology.

Prerequisite(s): A minimum 'C' grade in both BIOL 1115 and 1215; or permission of the instructor.

**BIOL 2350 (3 CREDITS) (4:0:3)****Comparative Vertebrate Anatomy**

A comparative study of the vertebrates. Emphasis will be on the evolution, development, structure, and function of organ systems and the dissection of representative forms.

Prerequisite(s): A minimum 'C+' grade in both BIOL 1115 and 1215 or a minimum 'C+' grade in any second-year biology course; or permission of the instructor.

**BIOL 2360 (3 CREDITS) (4:0:2)****Vertebrate Physiology I**

A lecture and laboratory course dealing with membrane events, nerve-muscle physiology, the nervous system, and blood. This course is designed for students proceeding to advanced work in the biological sciences.

Prerequisite(s): BIOL 1215 or BIOL 1191 with a minimum 'C' grade.

**BIOL 2370 (3 CREDITS) (4:0:2)****Microbiology I**

A course dealing with general microbiology, designed for those continuing in biological sciences. Topics include microscopy, bacterial physiology, morphology, genetics, and biochemistry.

Prerequisite(s): A minimum 'C+' grade in both BIOL 1115 and 1215; or permission of the instructor.

**BIOL 2380 (3 CREDITS) (4:0:3)****Introduction to Ecology**

An introduction to terrestrial and aquatic ecology. Course topics include physiological ecology, behavioral ecology, community structure and dynamics, and ecosystem ecology. Field trips during laboratory hours will be required.

Prerequisite(s): A minimum 'C' grade in both BIOL 1115 and 1215; or permission of the instructor.

Corequisite(s): BIOL 2105 when offered.

**BIOL 2415 (3 CREDITS) (4:0:3)****Cell Biology**

A study of the function of cells and cell components, including a discussion of experimental techniques.

Prerequisite(s): A minimum 'C+' grade in both BIOL 1115 and 1215; or permission of the instructor.

**BIOL 2430 (3 CREDITS) (4:0:3)****Molecular Genetics**

A study of gene structure, expression and regulation including recombinant DNA, extranuclear genes and developmental genetics.

Prerequisite(s): A minimum 'C' grade in both BIOL 1115 and 1215; or permission of the instructor.

**BIOL 2440 (3 CREDITS) (4:0:3)****Nonvascular Botany**

An introductory survey of the bacteria, algae, fungi, and nonvascular plants (e.g., mosses), with an emphasis on diversity and evolution.

Prerequisite(s): A minimum 'C' grade in both BIOL 1115 and 1215; or permission of the instructor.

Corequisite(s): BIOL 2105 when offered.

**BIOL 2450 (3 CREDITS) (4:0:3)****Invertebrate Biology**

An introductory survey of the invertebrates, including systems, evolution, and ecological relationships.

Prerequisite(s): A minimum 'C' grade in both BIOL 1115 and 1215; or permission of the instructor.

Corequisite(s): BIOL 2105 when offered.

**BIOL 2460 (3 CREDITS) (4:0:2)****Vertebrate Physiology II**

A lecture and laboratory course dealing with respiration, digestion, metabolism, the endocrine glands, reproduction, and kidney function for students proceeding to more advanced work in the biological sciences.

Prerequisite(s): BIOL 2360 with minimum 'C' grade.

**BIOL 2470 (3 CREDITS) (4:0:2)****Microbiology II**

Topics include medical microbiology, virology, immunology, and industrial microbiology.

Prerequisite(s): BIOL 2370 with minimum 'C' grade.

### **BIOL 2480 (3 CREDITS) (4:0:3)**

#### **Population Ecology**

An introduction to plant and animal population ecology, with emphasis on communities present in North America. Topics include population dynamics, interaction, conservation ecology, and modelling. Field trips during laboratory hours will be required.

Prerequisite(s): BIOL 1215 with a minimum 'C' grade. BIOL 2380 is not required as a prerequisite.

### **BIOL 2580 (3 CREDITS) (4:0:3)**

#### **Introduction to Wetlands and Wetland Restoration**

Topics include wetland biogeochemical processes, wetland functions and values, wetlands and society, history and theory of wetland restoration in the Pacific N.W., and the steps involved in a wetland restoration project. Field trips during laboratory hours will be required.

Prerequisite(s): Minimum 'C' grade in either BIOL 2380 or BIOL 2480 (or equivalent course with department approval).

## **Business Computer Applications (BCAP)**

### **BCAP 1200 (3 CREDITS) (3:1:0)**

#### **Business Computer Applications I**

This is a comprehensive course that provides hands-on computer experience and exposes the student to applications and software packages commonly used in business. A theory-based overview of hardware, software, and computer fundamentals is included.

Note: Students will receive credit for only one of CPSC 1000 and BCAP 1200.

### **BCAP 1415 (3 CREDITS) (1:0:3)**

#### **Keyboarding and Word Processing Skills I**

An introduction to computer keyboarding and word processing skills for beginners. The student will develop speed and accuracy in keyboarding and a working knowledge of the fundamental operation of a word processing software package.

### **BCAP 1420 (3 CREDITS) (1:0:3)**

#### **Keyboarding and Word Processing Skills II**

This course is designed for the student who can already type at a minimum of 30 words net a minute and who wants to improve keyboarding speed and accuracy and enhance word processing skills. Graded S/U.

Prerequisite(s): 30 words net a minute or permission of the instructor.

### **BCAP 2311 (3 CREDITS) (4:0:0)**

#### **Network Fundamentals**

An introduction to the most common computer networking systems and the role of networks in the information management field. Topics include uses and types of networks; topologies and protocols; LANS and WANS; hardware and software requirements; and software installation, management and support issues.

Prerequisite(s): A minimum 'C+' grade in one of CPSC 1000, CPSC 1010, BCAP 1200, or LIBR 1111.

Note: This course is offered every second year.

### **BCAP 3100 (3 CREDITS) (3:0:1)**

#### **Business Computer Applications II**

This course covers advanced concepts and applications of MS Windows, Word, Excel, PowerPoint, and Access. It also covers search functions of the Internet and email, and explores concepts and design of web pages.

Prerequisite(s): Completion of a minimum 30 credits including BCAP 1200 with a minimum 'C' grade and 3 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

Note: Students will receive credit for only one of BCAP 2200 and BCAP 3100.

### **BCAP 3200 (3 CREDITS) (3:0:1)**

#### **Business Information Systems**

This course presents an introduction to computer management information systems and its application in business. Issues involving system analysis, design, and software applications in a business environment will be included. The course will include hands-on experience using a variety of business computer applications.

Prerequisite(s): Completion of a minimum 30 credits including 3 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

Note: Students will receive credit for only one of BCAP 1237, BCAP 3200, CSIS 2500 and CISY 2415.

### **NEW BCAP 4200 (3 CREDITS) (4:0:0)**

#### **e-Business Solutions**

This course provides a comprehensive analysis of several e-business solutions that allow organizations to reduce overheads and manage their capital and human resources to stay competitive. Systems covered include supply chain management, e-procurement, trading exchanges, auctions, customer relationship management, billing and payment, human resources management and business intelligence.

Prerequisite(s): BCAP 3200 with a minimum 'C' grade, and a minimum 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.



## Business Management (BUSM)

### BUSM 1100 (3 CREDITS) (3:1:0)

#### Introduction to Business in Canada

This course introduces students to Canada's economy, different economic systems, business ethics and social responsibility, legal fundamentals and management. The course examines organizational and human resource management concepts and practices, marketing, accounting, finance, and operations management.

### BUSM 1110 (3 CREDITS) (4:0:0)

#### Personal Career Marketing

A series of seminar-type lectures, workshops and presentations by guest speakers designed to prepare students for their career, either as salaried employees or as self-employed entrepreneurs. Topics include the contemporary business world; types and forms of business ownership; corporate and personal tax implications; raising capital for the self-employed; providing pensions and benefits for the self-employed; setting up a home based business; building your personal career plan; preparing your resume; preparing for the employment interview, and effective time management.

### BUSM 1115 (3 CREDITS) (3:1:0)

#### Entrepreneurship

A practical course which introduces the relevant aspects of setting up a small business. These include basic accounting concepts, forms of legal ownership, basic market research, determination of marketing and personnel policies, budgeting, financing, purchasing, promotion, and pricing. Also explored are the personal characteristics of the successful entrepreneur.

### BUSM 1200 (3 CREDITS) (4:0:0)

#### Management Principles

This course explores the roles of managers at various organizational levels and examines how they help organizations achieve their goals. Course topics are organized around the four major functions of management: planning, organizing, leading, and controlling. There will be a special emphasis on diversity and the management of multicultural workforces in a global context. Concepts relating to productivity improvement, quality management, and business ethics will be focused on throughout the course. Students will have practical and hands-on assignments involving decision making, problem solving and case analysis to improve their analytical and teamwork skills.

Note: Students will receive credit for only one of BUSM 1250 and BUSM 1200.

### BUSM 1285 (3 CREDITS) (3:1:0)

#### Business Law

This course introduces the basic legal principles of contracts, torts, agency, employment, negotiable instruments, debt collection, business ownership, and consumer protection in Canada. Actual case decisions are used to demonstrate and explain judicial reasoning.

### BUSM 1500 (3 CREDITS) (3:1:0)

#### Business Presentation Skills

This course will develop the communication skills to prepare students to act effectively in a range of practical business situations. It will include skill development in managing meetings, public speaking and interpersonal communications in a business setting. Students will be required to develop presentations using PowerPoint.

### BUSM 2115 (3 CREDITS) (3:1:0)

#### Human Resources Management

A course in human and industrial relations with emphasis on the various processes and techniques of acquiring and maintaining an efficient workforce. It will examine the more technical aspects of personnel management, including legal issues, compensation, and employer/employee rights in sufficient depth to give a reasonable understanding of their purpose and nature. The course will be taught using a series of seminar type lectures, readings, case histories and guest lectures.

### BUSM 2200 (3 CREDITS) (4:0:0)

#### Organizational Behaviour

Students in this course examine how individual and group behaviour affects organizational goal attainment and success. Topics will include individual attributes such as attitude, personality and perception, and organizational culture and management skills such as leadership, empowerment, participation, communication, and motivation. There will be a strong international focus with an emphasis on diversity, managerial ethics, and development of Total Quality Management. Students will have practical and hands-on assignments for decision making, problem solving and case analysis to improve their analytical skills.

Note: Students will receive credit for only one of BUSM 1321 and BUSM 2200.

### BUSM 2300 (3 CREDITS) (3:2:0)

#### Employment Strategies for Current Labour Markets

(Formerly: Professional Employability Skills)

BUSM 2300 is a combined lecture/seminar course that will provide students with knowledge of what it takes to get a job in today's constantly changing workplace. This course will give students a chance to learn as well as practice each of the steps towards attaining a job, including self-assessment; resume and cover letter writing; networking and interviewing skills; as well as job search tactics. By completing this course, each student will have the resources to make a positive, lasting impression on prospective employers. This course complements other curriculum already offered in career programs with the Co-operative Education option and is designed to further develop specific competencies related to employment in the student's field of study. The final project is to produce a professional career portfolio. Note: This course is a prerequisite for participation in Co-operative Education.

Prerequisite(s): One of the following: LET with a minimum level 3; LPI with a minimum 25 (or minimum 24 on essay with 5 in English usage); BC English 12 or BC English Literature 12 with an 'A'; a university-transferable English or Communications course with a minimum 'C-', or an 'S' in one of ENGL 1107, 1108 or 1110.

Note: Students will receive credit for only one of BUSM 1310 and BUSM 2300.

### **BUSM 2450 (3 CREDITS) (2:2:0)**

#### **Business Planning**

A course which emphasizes the “how to” techniques in the development of business plans. In this course, students select an existing or potential business venture and conduct the research, planning and writing of a plan.

Prerequisite(s): Completion of a minimum of 30 credits including FMGT 1116 or 2293 or departmental permission.

Note: As this course is a capstone course for the Business Management and International Business Management programs, students should take this course in their last semester of study after having completed most of their diploma courses.

### **BUSM 3000 (3 CREDITS) (0:0:22)**

#### **Business Management Practicum**

This practicum provides the opportunity for students to gain experience and become familiar with the policies, procedures and operations of a business organization. A minimum of 300 hours working and/or volunteering is required. With departmental approval, students who are employed full-time or part-time may use this to meet the requirements of the practicum. While completing the practicum, students will be working under the direction of a manager or supervisor or delegate who will assess the student's level of competence with respect to the learning outcomes of the course. Graded S/U.

Prerequisite(s): Admission to the DCP of the BBA, or with permission of the Department.

### **NEW BUSM 3001 (3 CREDITS) (0:32.5:0)**

#### **Disney World Work Experience**

This six-month full-time integrated learning experience at Walt Disney World Resort in Orlando, Florida provides the opportunity for students to gain experience and apply theoretical knowledge to enhance skills, provide professional and personal development, and to become familiar with the policies, procedures, and operations of the Disney World organization. This course is part of the Disney Field School (FSIE 2000). Students will work under the direction of a manager or supervisor who will assess the student's level of competence. This work experience takes place from January to July each year. Graded S/U.

Prerequisite(s): Acceptance to the Disney Field School.

Corequisite(s): FSIE 2000

### **BUSM 3200 (3 CREDITS) (4:0:0)**

#### **Operations Management**

The course looks at the decisions firms need to make in order to run efficient, competitive, lean and profitable operations. In general, this course presents the fundamental issues in operations and supply chain management. The first part of the course focuses on a company's internal operations and processes. The second part of the course focuses on global supply chain management, and the sourcing of parts, components, and materials on a global basis.

Prerequisite(s): Completion of 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business is highly recommended. An introductory course in Statistics is also recommended.

### **BUSM 3220 (3 CREDITS) (3:1:0)**

#### **Negotiation vs. Negotiating**

This course introduces students to a variety of negotiation processes and techniques used to achieve multiple business objectives. Students will apply their negotiation skills in various business circumstances, e.g., labour negotiations, sales negotiations, negotiating across cultures, through continuous in-class skills development exercises. Upon successful completion of the course, students will be able to negotiate and appraise situations that call for bargaining; comprehend the process and the various bargaining techniques; assess alternatives; and formulate negotiation plans. Students will demonstrate their ability to use negotiation techniques to carry out successful negotiations.

Prerequisite(s): Completion of 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business is highly recommended.

### **NEW BUSM 3392 (3 CREDITS) (4:0:0)**

#### **Managing the Employment Relationship**

This course introduces learners to the foundations of the employment relationship between employer and employee. Key concepts of the course focus on the establishment, development, and maintenance of the workforce. Managing the employee relationships is studied through three perspectives: employment relations law, collective bargaining and trade unionism, and progressive human resource management (HRM). The significance of the relationship between effective employee relations and business success is explored. There is a brief introduction to the International HRM challenges in global employment relationship management.

This course is highly participative. Learners will be assigned to union and management teams to take part in the development, preparation, and delivery of a collective agreement negotiations simulation.

Prerequisite(s): BUSM 2200 with a minimum 'C' grade and completion of a minimum 6 credits of university-transferable English or Communications with a minimum 'C' grade; or department permission.

### **BUSM 3400 (3 CREDITS) (4:0:0)**

#### **Investment Strategies**

This course provides a practical introduction to today's financial markets. Common financial instruments as well as portfolio management will be covered. The course will focus on personal as well as corporate strategies. Student teams will demonstrate their understanding of the course content by managing a financial portfolio, and by discussing the portfolio performance.

Prerequisite(s): Completion of a minimum 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in one of FMGT 1116, 1215, or 2293.

### **NEW BUSM 3500 (3 CREDITS) (2:2:0)**

#### **Business Competitions**

This course will prepare students to compete in regional and national business competitions. They will learn about all functional areas of business: finance, human resources, operations, and marketing. Students will learn to formulate a corporate business strategy, make decisions, and interact as executive leaders running a company under competitive pressure. From these experiences, students will gain a deeper understanding of their own personal strengths and communication style, and will develop their professional communication and presentation skills as they regularly report to their Board of Directors and answer the tough questions often asked during these meetings.

This course includes two full-day competitions with jurors from industry.

Prerequisite(s): Six credits of university-transferable English or Communications with a minimum 'C' grade; BUSM 2200; one of FMGT 1116, FMGT 2293, or FMGT 1115 and 1215; and MARK 1115. BUSM 1500, 2300, and 4200 are recommended.

### **BUSM 4100 (3 CREDITS) (3:1:0)**

#### **Project Management**

Project management is now used in virtually all industries to streamline operations and to improve productivity. Effective project management ensures that a project is completed on time, within budget, and with high quality. This course introduces concepts, skills, and tools that allow students to coordinate and lead projects towards successful completion using a variety of techniques to manage the budget, schedule, and quality of projects that managers are responsible for.

Prerequisite(s): Completion of a minimum 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business is highly recommended.

### **BUSM 4120 (3 CREDITS) (4:0:0)**

#### **Organizations and Change**

This course examines the underlying concepts, principles, and assumptions of organizational development. Included is an investigation of macro factors such as organizational structure, coordination and control, power, authority, organizational politics and corporate culture, and their impact on effectiveness. It develops a framework around understanding natural versus planned change, models for managing change, the development of specific skills to manage change, the human side of change, and the transition process. Understanding the dynamics of organizational change is a critical skill for contemporary managers.

Prerequisite(s): Completion of a minimum 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business is highly recommended.

### **BUSM 4200 (3 CREDITS) (4:0:0)**

#### **Strategic Management**

Crafting, implementing and executing a company's strategy is the heart and soul of business. The focus of strategic management is on managing the entire organization from an executive level. In this course, students will learn to think, analyze and plan at a strategic level, and to think like an executive.

Prerequisite(s): Completion of 90 credits including 9 credits of university-transferable English or Communications with a minimum 'C' grade (3 of the credits must be CMNS 2228); or department permission.

### **BUSM 4300 (3 CREDITS) (1:6:0)**

#### **Applied Business Project**

This capstone course provides the opportunity to apply the concepts, skills and techniques gained in previous course work to non-profit or volunteer organizations. The project can range from the preparation of a detailed 'consulting' plan, a business plan, or the development of specific deliverables for the client organization. Students will work closely with the client and a faculty advisor and will present their report to the client and faculty.

Prerequisite(s): Successful completion of at least 105 credits in the BBA program including BUSM 4200 with a minimum 'C' grade, CMNS 2228 with a minimum 'C' grade, and BUSM 3000 or COOP 2301; or permission of the department. This course is restricted to students in their final term of the BBA program.

## Canadian Studies

(CNST)

### CNST 1105 (0 CREDITS) (2:0:0)

#### Lecture Series

This is a non-credit, non-fee course consisting of a series of lectures on a theme related to one of the course offerings. A minimum of three lectures will be given during the semester. Required for the Diploma in Arts and Science (Canadian Studies).

### CNST 1110 (3 CREDITS) (4:0:0)

#### American Power in Canada

Provides an understanding of contemporary American cultural, economic and political power in Canada and the varied popular and institutional responses. Topics may include the political-economy of Canada - US relations; the free trade agreements and globalization; and American impact on Canadian arts, film and media.

Note: This course satisfies the Canadian content requirement for the Bachelor of Education Degree at UBC.

### CNST 1120 (3 CREDITS) (3:1:0)

#### Canadian First Nations' Concerns

A survey of contemporary First Nations' (Indian, Inuit and Metis) issues. Emphasis placed upon various social, political, economic, anthropological and artistic concerns in terms of the Canadian multicultural perspective.

Note: This course satisfies the Canadian content requirement for the Bachelor of Education Degree at UBC.

### CNST 1130 (3 CREDITS) (3:1:0)

#### Work in Canadian Society

An interdisciplinary study of the concept of work in Canadian society. The problems Canadians encounter in the field of work will be considered from such viewpoints as sociology, history, literature, and philosophy.

Note: This course satisfies the Canadian content requirement for the Bachelor of Education Degree at UBC.

### CNST 1140 (3 CREDITS) (3:1:0)

#### Racism and Ethnic Relations in Canada

This course deals with racial and ethnic relations in Canada. It will emphasize social, political and economic analyses of the family, school, workplace, law and media, with special focus on British Columbia.

Note: This course satisfies the Canadian content requirement for the Bachelor of Education Degree at UBC.

### CNST 1150 (3 CREDITS) (4:0:0)

#### Quebec Nationalism

Provides an opportunity to understand the origins, development and contemporary nature of Quebec nationalism. The course will examine the social, cultural, political, economic and linguistic manifestations of Quebec nationalism and assess the tensions between Quebec and the rest of Canada. The possibility of meeting Quebecois aspirations within Canada and related special status arrangements will be discussed.

Note: This course satisfies the Canadian content requirement for the Bachelor of Education Degree at UBC.

## Chemistry

(CHEM)

#### Prerequisites

Prerequisites for courses in chemistry are valid for only three years. If you wish to register in a course for which the prerequisite was taken more than three years ago, you will be required to write a diagnostic test or to upgrade the prerequisite.

Students who have completed a chemistry course through an adult education program or by correspondence must obtain permission of the Chemistry Department to have the course approved as a prerequisite for Langara College chemistry courses.

#### Repeating a course

A chemistry course may be taken only twice, regardless of the grade earned in the first enrolment. The department chair, or delegate, will decide on exceptions to this rule, only on the basis of documented evidence of upgraded prerequisites.

#### Laboratory Requirements

The chemistry labs are an integral part of each course. It is Chemistry Department policy that there are no make-up labs. Failure to satisfactorily complete the laboratory requirements may result in a failing grade for the course.

Attendance at the first lab in all chemistry courses is compulsory.

#### Diagnostic Tests

The Chemistry Diagnostic Placement Test is an assessment of the student's knowledge of the chemical principles and their applications. The test is designed to place the student into the most appropriate chemistry course. To enrol in any chemistry course with a chemistry prerequisite, the Diagnostic Test is required for any student who has NOT taken a chemistry course in BC OR for any student whose prerequisite course was taken more than three years ago.

### **CHEM 1114 (4 CREDITS) (3:0:2)**

#### **An Introduction to Chemistry**

A one-semester introduction to chemistry intended for students who have had no secondary school chemistry and who wish to proceed to more advanced chemistry courses. Open only to students who have completed secondary school or equivalent or have been admitted under Dean's Admission.

Note: If your mathematics background is poor, we highly recommend that you take a mathematics course before taking CHEM 1114.

### **CHEM 1117 (4 CREDITS) (3:0:2)**

#### **Environmental Chemistry for Arts Majors I**

This course emphasizes the practical applications of chemistry in nature, living systems, and society. The role of science in shaping our view of ourselves and our surroundings will also be examined. An opportunity to do science will be provided by means of participatory lecture demonstrations, laboratory experiments, and take-home experiments.

Note: This course satisfies the lab-science credit requirement for arts majors.

### **CHEM 1118 (4 CREDITS) (4:0:3)**

#### **Intermediate Chemistry**

A continuation of the CHEM 1114 course with an increased emphasis on laboratory work. CHEM 1118 topics include solutions, gases, an introduction to thermochemistry, electrochemistry, chemical equilibrium, acid-base chemistry and nuclear chemistry.

Prerequisite(s): CHEM 1114 with 'C+', BCSecS Chem 11 with 'A' or 'B', BCSecS Chem 11 with 'C' and BCSecS Chem 12 with 'C', or successful score on Chemistry Diagnostic Test. In addition, one of MATH 1150 or BCSecS Math 12 with 'C-' or MDT 70.

### **CHEM 1120 (4 CREDITS) (3:0:3)**

#### **General Chemistry I**

CHEM 1120 constitutes a first-year course in general college chemistry. CHEM 1120 covers atoms and electrons, bonding, absorption of energy by molecules, gases, liquids, solids, crystals, and organic chemistry.

Prerequisite(s): CHEM 1118 with 'C-' or BCSecS Chem 12 with 'A' or 'B' or successful score on Chemistry Diagnostic Test. In addition, one of MATH 1152 or BCSecS Math 12 with "C" or MDT 75.

### **CHEM 1217 (4 CREDITS) (3:0:2)**

#### **Environmental Chemistry for Arts Majors II**

This is a chemistry course for arts majors that focuses on biological and organic chemistry with an emphasis on environmental issues. Topics covered include toxicology, drug chemistry, food chemistry, hydrocarbons, and plastics. This course meets the laboratory science requirement for the Associate of Arts Degree.

Note: This course satisfies the lab-science credit requirement for arts majors.

### **CHEM 1220 (4 CREDITS) (3:0:3)**

#### **General Chemistry II**

CHEM 1220 constitutes a first-year course in general college chemistry. CHEM 1220 topics include solutions, acids and bases, buffers, electron transfer, electrode potentials, energetics, thermo-dynamics, and chemical kinetics.

Prerequisite(s): CHEM 1120 with C- and MATH 1152 or BCSecS MATH 12 with C or MDT 75. A proficiency test administered by the department may be required for students wishing to transfer into CHEM 1220. (MATH 1153 is recommended as a co-requisite).

### **CHEM 2210 (4 CREDITS) (3:0:3)**

#### **Physical Chemistry**

This course focuses on the principles of chemical kinetics, reaction mechanisms, and chemical thermodynamics.

Prerequisite(s): CHEM 1220 or equivalent, and one of MATH 1271, or MATH 1273 with MATH 1283, or MATH 1274, or equivalent. MATH 2371 or equivalent is recommended.

Note: Students will receive course credit for only one of CHEM 2210 and 2250

### **NEW CHEM 2216 (4 CREDITS) (4:0:3)**

#### **Organic Chemistry for the Biological Sciences**

This organic chemistry course is intended for students in the biological sciences.

Topics include properties of aromatic compounds, reactions and properties of alkenes, alkynes, carbonyl compounds, and carbohydrates. Not intended for students completing a Chemistry or Biochemistry major.

Prerequisite(s): CHEM 1220 or equivalent.

### **CHEM 2222 (4 CREDITS) (3:0:4)**

#### **Analytical Chemistry**

Introduction to qualitative and quantitative chemical analytical techniques and statistical analysis of data.

Prerequisite(s): CHEM 1220 or equivalent.

### **CHEM 2224 (4 CREDITS) (3:0:3)**

#### **Inorganic Chemistry**

A one-semester lecture course in inorganic chemistry. Topics include a review of basic concepts of bonding and bonding theories. The chemistry of the main group elements is studied. The course also introduces the chemistry of transition elements with an emphasis on bonding in coordination compounds, isomerism and reactions of coordinate complexes.

Prerequisite(s): CHEM 1220 or equivalent.

### **CHEM 2227 (4 CREDITS) (3:0:4)**

#### **Aquatic Chemistry**

A one-semester course that investigates the details of water from molecular aspects through to macroscopic properties. Topics discussed include the behaviour of water, the composition and chemistry of natural waters, water analysis and analytical tools, health and safety issues, the quality of water, and the environment. The course will emphasize the laboratory and field techniques of water analysis. This course is recommended for students with an interest in environmental chemistry.

Prerequisite(s): CHEM 1220 or equivalent.

### **CHEM 2250 (4 CREDITS) (3:0:2)**

#### **Physical Chemistry for the Life Sciences**

This second-year level Chemistry course builds on a first-year knowledge of chemical kinetics, spectroscopy, and thermodynamics. This course is required for second-year biology and is useful in a variety of fields such as agriculture, medicine and earth sciences.

Prerequisite(s): CHEM 1220 and one of the following: MATH 1171, 1174, 1253, or the combination of MATH 1173 and 1183. MATH 1271 or the combination of MATH 1273 and 1283 is recommended.

Note: Credit will be given for only one of CHEM 2210 or CHEM 2250.

### **CHEM 2316 (4 CREDITS) (4:0:3)**

#### **Organic Chemistry I**

A second-year level course in general organic chemistry. Topics include simple aliphatic and aromatic compounds including hydrocarbons, alkyl halides, organometallic compounds; and an introduction to reaction mechanisms, to stereochemistry and to the use of spectroscopy in organic chemistry.

Prerequisite(s): CHEM 1220 or equivalent.

### **CHEM 2416 (4 CREDITS) (4:0:3)**

#### **Organic Chemistry II**

A second-year level course in general organic chemistry. Topics include aromatic compounds, alcohols and ethers, carbonyl compounds, carboxylic acids, amines, and amino acids. Bio-organic systems may also be covered.

Prerequisite(s): CHEM 2316 or equivalent.

## **Chinese**

### **(CHIN)**

Students with a 'C' or higher grade in a Chinese course cannot repeat the same course without department permission.

Before registering in a Chinese (CHIN) course, please read the prerequisite information carefully. Overqualified students will not be given credit for the courses.

### **CHIN 1103 (3 CREDITS) (3:0:1)**

#### **Preparatory Beginner's College Chinese**

Chinese 1103 is a preparatory course for CHIN 1115 - Beginner's College Chinese I. It is designed for students who have no background in oriental languages and Asian culture and who would find CHIN 1115 too challenging to take as their first Chinese Language course. In this course, students will learn how to speak everyday Mandarin through a set of practical conversations. They will study the phonetic system, some basic sentence patterns, and 100-150 Chinese characters. They will also be introduced to Chinese culture through films and other activities.

### **CHIN 1115 (3 CREDITS) (3:0:1)**

#### **Beginner's College Chinese I**

An introduction to spoken Mandarin and modern written Chinese with emphasis on the audio-lingual approach. After the oral-aural foundation has been laid, emphasis gradually shifts toward developing the student's ability to read written texts and to formulate basic sentences. New vocabulary items are introduced in both phonetic transcript and in characters.

Prerequisite(s): None; however, students who fluently speak one Chinese dialect (e.g., Cantonese) and write more than 200 Chinese characters are not allowed to enroll in CHIN 1115. Students who completed grade one in elementary school in China, Taiwan, Hong Kong and Singapore or BC Mandarin 11B/11 should consult an instructor before registering.

### **CHIN 1117 (3 CREDITS) (3:0:1)**

#### **Beginner's College Chinese III**

(Formerly: Intermediate Chinese I)

As a continuation of CHIN 1115 and CHIN 1215, this course offers further oral and written practice in Chinese including a thorough review of the language's structure and grammar, plus additional vocabulary. The emphasis will be placed on reading, conversation, composition and translation.

Prerequisite(s): CHIN 1215 or equivalent (e.g., BC Mandarin 11). Students who fluently speak one Chinese dialect (e.g., Cantonese) and write more than 750 Chinese characters are not allowed to enroll in CHIN 1117. Students who completed grade four in elementary school in China, Taiwan, Hong Kong and Singapore or BC Mandarin 12 should consult an instructor before registering.

### **CHIN 1125 (3 CREDITS) (3:0:1)**

#### **Mandarin Conversation for Chinese Dialect Speakers I**

(Discontinued as of Fall Semester 2009; replaced by CHIN 2221)

Designed for students with basic reading and writing skills in Chinese language but who speak only a dialect such as Cantonese. Through a set of practical situations, this course heavily emphasizes the Mandarin phonetic system, listening comprehension, and oral expressions.

Prerequisite(s): No prerequisite. However, students need to have basic reading and writing skills in the Chinese language to start this course. Students who already speak fluent Mandarin with good pronunciation will not be permitted to take this course.

### **CHIN 1215 (3 CREDITS) (3:0:1)**

#### **Beginner's College Chinese II**

An introduction to spoken Mandarin and modern written Chinese with emphasis on the audio-lingual approach. After the oral-aural foundation has been laid, emphasis gradually shifts toward developing the student's ability to read written texts and to formulate basic sentences. New vocabulary items are introduced in both phonetic transcript and in characters. At the end of Chinese 1215, the student is expected to be able to understand and speak basic Mandarin and to read and write about 500-600 Chinese words.

Prerequisite(s): CHIN 1115 or equivalent (e.g., BC Mandarin 11B). Students who fluently speak one Chinese dialect (e.g., Cantonese) and write more than 500 Chinese characters are not allowed to enroll in CHIN 1215. Students who completed grade two in elementary school in China, Taiwan, Hong Kong and Singapore or BC Mandarin 11 should consult an instructor before registering.

### **CHIN 1217 (3 CREDITS) (3:0:1)**

#### **Beginner's College Chinese IV (Formerly: Intermediate Chinese II)**

As a continuation of CHIN 1115 and CHIN 1215, this course offers further oral and written practice in Chinese including a thorough review of the language's structure and grammar, plus additional vocabulary. The emphasis will be placed on reading, conversation, composition and translation. At the end of CHIN 1217, the student is expected to be able to use all the basic sentence patterns in modern Chinese and know about 1,200 to 1,300 Chinese words.

Prerequisite(s): CHIN 1117 or equivalent. Students who fluently speak one Chinese dialect (e.g., Cantonese) and write more than 1000 Chinese characters are not allowed to enroll in CHIN 1217. Students who completed grade five in elementary school in China, Taiwan, Hong Kong and Singapore or BC Mandarin 12 should consult an instructor before registering.

### **CHIN 1225 (3 CREDITS) (3:0:1)**

#### **Mandarin Conversation for Chinese Dialect Speakers II**

**(Discontinued as of Fall Semester 2009;  
replaced by CHIN 2223)**

This course is designed for students to further develop Mandarin speaking skills, particularly aural comprehension and oral fluency.

Prerequisite(s): CHIN 2221 or CHIN 1217.

### **CHIN 2211 (3 CREDITS) (4:0:0)**

#### **Intermediate Chinese Reading and Writing I**

Chinese 2211 is a continuation of Chinese 1217. It is designed with a holistic approach to further develop students' reading, writing and speaking skills at an intermediate level. In Chinese 2211, students will learn around 600 commonly used Chinese characters and phrases, and develop further understanding of Chinese grammar. Students will acquire skills to enhance their Chinese literacy level as well as to nurture their appreciation of the Chinese language and literature through reading prose and short stories. Students will also gain insights into socio-culture knowledge embedded in the reading materials. Chinese films will be introduced at the same time to help develop a historical perspective of China in the twentieth century.

Prerequisite(s): Students should have at least the level of CHIN 1217 and be able to use all the basic sentence patterns of Modern Chinese and know about 1200-1300 Chinese words.

### **CHIN 2213 (3 CREDITS) (4:0:0)**

#### **Intermediate Chinese Reading and Writing II**

Chinese 2213 is a continuation of Chinese 2211. It is designed with a holistic approach to further develop students' reading, writing and speaking skills at an intermediate level. In Chinese 2213, students will learn another 600 commonly used Chinese characters and phrases and be able to apply the grammatical concepts learned in the course in their own writing. Students will learn the format and rules of specific genres of practical writing in Chinese, such as resume, cover letter, etc. While still acquiring skills to enhance their Chinese literacy level, students will learn to nurture their appreciation of the Chinese language and literature through reading prose and short stories. Students will also gain insights into socio-culture knowledge embedded in the reading materials. Chinese films will be introduced at the same time to

help develop a perspective of China in the present day.

Prerequisite(s): Students must be able to use all the basic sentence patterns of Modern Chinese. Students who have not completed CHIN 2211 should consult with an instructor of Chinese before registering in this course.

### **CHIN 2215 (3 CREDITS) (4:0:0)**

#### **Intermediate Chinese Reading and Writing III**

CHIN 2215 is a continuation of CHIN 2213. It is designed to further develop students' reading, writing, and speaking skills at the intermediate level. Students will learn another 500 Chinese words and further grammatical concepts. Through reading relevant materials, students will gain more social and cultural knowledge of China, develop their appreciation for Chinese language and literature, and enhance their Chinese literacy level. In this course, students will continue to practice their narrative writings. At the same time, they will also learn how to describe things and convey their emotions accurately and vividly. Chinese films will be introduced to provide students with current images and scenes of China.

Prerequisite(s): CHIN 2213

### **CHIN 2217 (3 CREDITS) (4:0:0)**

#### **Intermediate Chinese - Reading and Writing IV**

CHIN 2217 is a continuation of CHIN 2215. It is designed to further develop students' reading, writing, and speaking skills at the intermediate level. Students will learn another 500 Chinese words and further grammatical concepts. Through reading relevant materials, students will gain more social and cultural knowledge of China, develop their appreciation for Chinese language and literature, and enhance their Chinese literacy level. Students are also expected to develop more sophisticated skills of composition, such as how to make analytical comments appropriately. Chinese films will be introduced to provide students with current images and scenes of China. This course will lay a solid foundation for students who want to learn Chinese at the advanced level.

Prerequisite(s): CHIN 2215

**CHIN 2221 (3 CREDITS) (3:0:1)****Mandarin Conversation for Chinese Dialect Speakers I**

(Formerly: CHIN 1125)

Designed for students with basic reading and writing skills in Chinese language but who speak only a dialect such as Cantonese. Through a set of practical situations, this course heavily emphasizes the Mandarin phonetic system, listening comprehension, and oral expressions.

Prerequisite(s): No prerequisite. However, students need to have basic reading and writing skills in the Chinese language to start this course. Students who already speak fluent Mandarin with good pronunciation will not be permitted to take this course.

**CHIN 2223 (3 CREDITS) (3:0:1)****Mandarin Conversation for Chinese Dialect Speakers II**

(Formerly: CHIN 1225)

This course is designed for students to further develop Mandarin speaking skills, particularly aural comprehension and oral fluency.

Prerequisite(s): CHIN 2221 or CHIN 1217.

**CHIN 3331 (3 CREDITS) (4:0:0)****Introduction to Classical Chinese I**

Chinese 3331 is part one of an introduction to classical Chinese. It is designed for students who are fluent in Mandarin Chinese or one of the Chinese dialects and who can read and write Chinese comfortably at an intermediate level, e.g., completion of elementary school or higher in China or Taiwan. After a brief introduction to the history timeline of China, students will start examining a selection of early works of literature and philosophy ranging from ca. 1000 BC to 100 BC. Basic grammar of ancient Chinese writing will be explained; a group of commonly used words will be compared with their counterparts in modern Chinese. At the end of this course, students will have gained a general idea of the early development of Chinese poetry and other literary forms, as well as a deeper understanding of Confucianism and Taoism. They will be expected to understand and use some of the ancient vocabulary, as well as to appreciate the beauty and the wisdom of a number of Classical Chinese works.

Prerequisite(s): Before registering in this course, a student should have completed a second-year college Chinese course or equivalent, e.g., completion of 6 years of elementary school or more in China or Taiwan, and know about 2000 Chinese characters.

**CHIN 3333 (3 CREDITS) (4:0:0)****Introduction to Classical Chinese II**

Chinese 3333 is part two of an introduction to classical Chinese. It is designed for students who are fluent in Mandarin Chinese or one of the Chinese dialects and who can read and write Chinese comfortably at an intermediate level, e.g., completion of elementary school or higher in China or Taiwan. In this course, students will first study a selection of ancient poetic and prose works from the Han, Tang and Song dynasties (ca. 200 BC - 1200 AD). They will then be introduced to the dramas and novels of later centuries (ca. 1300 - 1800 AD). More grammatical analysis and comparisons will be done between the ancient and the modern languages. At the end of this course, students will have gained a general idea of the whole development of Chinese history and literature. They will be expected to understand and appreciate a number of ancient works, as well as to be able to use their knowledge to create some simple works of their own in classical style.

Prerequisite(s): Students who have not completed CHIN 3331 should consult an instructor of Chinese before registering in this course. Students should have already completed at least a second-year college Chinese course or equivalent, e.g., completion of 6 years of elementary school or more in China or Taiwan, and know about 2000 Chinese characters.

**CHIN 3381 (3 CREDITS) (3:1:0)****Chinese Literature in 20th Century I**

This course is designed to introduce students to modern Chinese literature from the May 4th Movement in 1919 to 1949, when the People's Republic of China was established. It will also introduce students to basic literary theories and guide them to appreciate the most famous modern Chinese fiction, prose, and poetry in an analytical perspective. The learning process helps students to explore literature and to deepen its appreciation.

Prerequisite(s): Before registering in this course, a student should have completed a second-year college Chinese course or equivalent, e.g., completion of 6 years of elementary school or more in China or Taiwan, and know about 2000 Chinese characters.

**CHIN 3383 (3 CREDITS) (3:1:0)****Chinese Literature in 20th Century II**

This course is designed to introduce students to modern Chinese literature from 1949, when the People's Republic of China was established, to the end of the 20th century. It will also introduce students to literary theories and guide them to appreciate the most famous modern Chinese fiction, prose, and poetry in an analytical perspective. The learning process helps students to explore literature and to deepen its appreciation.

Prerequisite(s): Before registering in this course, a student should have completed a second-year college Chinese course or equivalent, e.g., completion of 6 years of elementary school or more in China or Taiwan, and know about 2000 Chinese characters.



## Classical Studies

(CLST)

### CLST 1102 (3 CREDITS) (4:0:0)

#### Women in Antiquity

An overview of women in Greece and Rome, based primarily on literary texts. The images of women in these texts will be studied, and compared to reality as we know it from other sources. For related courses, see HIST 2210, HIST 2211, CLST 1110 and CLST 1120.

### CLST 1105 (0 CREDITS) (3:0:0)

#### Lecture Series

This is a non-credit, non-fee course consisting of a series of lectures on themes from Greek and Roman civilization. Required course for students wanting a Diploma or Associate Degree in Classical Studies.

### CLST 1110 (3 CREDITS) (3:1:0)

#### Introduction to Greek Civilization

An introduction to the golden age of Athens, with an emphasis on history and society, literature, philosophy, art and archaeology.

Note: For related courses, see CLST 1102, 1120 and HIST 2210

### CLST 1120 (3 CREDITS) (3:1:0)

#### Introduction to Roman Civilization

An introduction to the events of the golden age of Rome, at the end of the Republic and the beginning of the Empire, with an emphasis on the history and society, literature, philosophy, art and archaeology.

Note: For related courses, see CLST 1102, CLST 1110 and HIST 2211.

### NEW CLST 2230 (3 CREDITS) (3:0:1)

#### Alexander and the Hellenistic World

An overview of the history and culture of the Hellenistic world, from the conquests of Alexander the Great to the death of Cleopatra VII of Egypt. Topics will include the empire of Alexander and the successor states, the cultural achievements of the Hellenistic world, and the interaction between Greek and non-Greek in this expanded world.

Prerequisite(s): At least one course in one of the following disciplines: classical studies, history, art history, or philosophy; or permission of the instructor or Classical Studies co-ordinator.

### CLST 2276 (3 CREDITS) (3:1:0)

#### Greek and Roman Art and Archaeology

A study of Greek painting, sculpture and architecture from the Minoan to the Hellenistic period, and an examination of Roman art from the Etruscan age to the Roman Imperial period. Emphasis is placed on the Greek Classical period and the Roman empire. Archaeological evidence will be studied in the context of the political, economic and social developments of the periods. Course content will include the history, principles, aims and techniques of Classical Archaeology, and the relationship of the archaeological evidence to the literary and other sources.

Prerequisite(s): At least one course in Art History, Classical Studies, Anthropology, or History; or permission of instructor or Classical Studies coordinator.

## Co-operative

## Education

(COOP)

### COOP 2301 (3 CREDITS) (0:0:22.5)

#### Co-operative Work Placement I

Work experience and report. Practical application of theoretical knowledge gained in academic studies to enhance skills and to provide professional and personal development. Co-op work placements consist of full time work in a student's area of study. Evaluation will consist of employer evaluation, work term report, and presentation.

Co-operative Education courses cannot be used to meet elective requirements.

Prerequisite(s): Minimum 'C' grade in BUSM 2300; minimum 2.6 GPA; acceptance to the co-op option; and confirmed co-op work placement.

Note: Restricted to students meeting the admission requirements of Co-operative Education. Students will receive credit for only one of COOP 2311 (discontinued) or COOP 2301.

### COOP 2314 (3 CREDITS) (0:0:22.5)

#### Co-operative Work Extension Performance I

Extended work placement offered by employer. Allows for more in-depth experience, learning, and development of comfort level in workplace. Graded S/U.

Prerequisite(s): COOP 2301

Note: Students will receive credit for only one of COOP 2313 (discontinued) or COOP 2314

### COOP 2501 (3 CREDITS) (0:0:22.5)

#### Co-operative Work Placement II

Work experience and report. Practical application of theoretical knowledge gained in academic studies to enhance skills and to provide professional and personal development. Co-op work placements consist of full-time work in a student's area of study. Evaluation will consist of employer evaluation, work term report, and presentation.

Co-operative Education courses cannot be used to meet elective requirements.

Prerequisite(s): COOP 2301

Note: Restricted to students meeting the admission requirements of Co-operative Education. Students will receive credit for only one of COOP 2511 (discontinued) or COOP 2501.

### COOP 2514 (3 CREDITS) (0:0:22.5)

#### Co-operative Work Placement Extension Performance II

Extended work placement offered by employer. Allows for more in-depth experience, learning, and development of comfort level in workplace. Graded S/U.

Prerequisite(s): COOP 2501

Note: Students will receive credit for only one of COOP 2513 (discontinued) or COOP 2514.

### COOP 3301 (3 CREDITS) (0:0:22.5)

#### Co-operative Work Placement III

Work experience and report. Practical application of theoretical knowledge gained in academic studies to enhance skills and to provide professional and personal development. Co-op work placements consist of full-time work in a student's area of study. Evaluation will consist of employer evaluation, work term report, and presentation. Co-operative education courses cannot be used to meet elective requirements.

Co-operative Education courses cannot be used to meet elective requirements.

Prerequisite(s): COOP 2501.

Note: Restricted to students meeting the admission requirements of Co-operative Education. Students will only receive credit for one of COOP 3311 (discontinued) or COOP 3301.

### COOP 4301 (3 CREDITS) (0:0:22.5)

#### Co-operative Work Placement IV

Work experience and report. Practical application of theoretical knowledge gained in academic studies to enhance skills and to provide professional and personal development.

Co-operative work placements consist of full-time work in a student's area of study. Evaluation will consist of employer evaluation, work term report, and presentation.

Co-operative Education courses cannot be used to meet elective requirements.

Prerequisite(s): COOP 3301

Note: Restricted to students meeting the admission requirements of Co-operative Education. Students will receive credit for only one of COOP 4311 (discontinued) or COOP 4301.

## Communications

### (CMNS)

#### Prerequisites

LET Level	LPI Equivalent
LET 0	LPI 0
LET 1	LPI Less than 24 on the essay
LET 2	LPI 24 or 25 on the essay
LET No2	No LPI Equivalent
LET 3	LPI 26 on the essay with one of the following: <ul style="list-style-type: none"> <li>• 5/10 or higher in sentence structure; or</li> <li>• 5/10 or higher in English usage; or</li> <li>• 10/20 or higher in reading comprehension.</li> </ul>
LET 4	LPI 26 on the essay with minimum: <ul style="list-style-type: none"> <li>• 5/10 in sentence structure; and</li> <li>• 5/10 in English usage; and</li> <li>• 10/20 in reading comprehension.</li> </ul>
LET 5	LPI 30 on the essay with minimum: <ul style="list-style-type: none"> <li>• 5/10 in sentence structure; and</li> <li>• 5/10 in English usage; and</li> <li>• 10/20 in reading comprehension.</li> </ul>

#### Diagnostic Tests

Students planning to enrol in a first-semester Communications course must take the Langara English Test (LET) or Language Proficiency Index Test (LPI) prior to the semester in which they want to register. Students who have BC English 12 or BC English Literature 12 or equivalent with an 80% are not required to write the LET or LPI.

#### NOTE

The following courses are designed for students in Langara's Career Programs.

### CMNS 0013 (3 CREDITS) (4:0:0)

#### Community, College & Career Communications

In this course, students interested in volunteer experience, College Career Programs, and paid employment will learn how every act of communication reveals something about the communicator and that they can choose what and how to communicate. Emphasis will be placed on the style of oral, non-verbal, and written communication preferred in contemporary community, college, and career settings. This course may not be used as credit towards a Langara certificate or diploma.

Prerequisite(s): Langara English Test Level 2.

Note: Antirequisites: Students who have successfully completed CMNS 1115 or 1118 require the instructor's permission to take this course.

### CMNS 0021 (3 CREDITS) (4:0:0)

#### Career English Language Training - Human Services

This course provides an introduction to and practice in the English used in classroom, practicum, and interview settings in human services career programs. Using curriculum materials and assignments from participating programs, students will become familiar with oral, reading, and writing requirements.

Prerequisite(s): Langara English Test Level 2.

Note: Antirequisites: Students who have successfully completed ENGL 1127 or ENGL 1128 require the instructor's permission to take this course.

### CMNS 1115 (3 CREDITS) (4:0:0)

#### Interpersonal Communications

Interpersonal communications theory put into practice in exercises, group and individual projects that cover small group dynamics, interviews, and oral presentations.

Prerequisite(s): One of LET 3 (or LPI equivalent); a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

### CMNS 1116 (3 CREDITS) (4:0:0)

#### Understanding and Writing Sentences

This course examines the component parts of sentences and offers instruction and practice in writing clear, effective, and varied sentences. Topics covered include using the dictionary, spelling and vocabulary, the parts of speech, phrases and clauses, punctuation, and mechanics.

Prerequisite(s): LET with level 3; LPI minimum 24 on essay with 5 in English usage; or English 12 with 'A'; English Literature 12 with 'A'; or an 'S' in one of ENGL 1107 or 1108 or 1110.

### **CMNS 1117 (3 CREDITS) (4:0:0)**

#### **Speaking and Listening Skills**

Effective speaking and listening skills developed in a workshop environment, with practice in both persuasive and informative speaking. Skills are applied in a variety of law-related situations: interviews, speeches, and debates.

Prerequisite(s): One of LET (level 3), LPI (level 4), ENGL 1110 with an 'S' grade, or English 12 or equivalent. Restricted to students in the Criminal Justice Program.

### **CMNS 1118 (3 CREDITS) (4:0:0)**

#### **Written Communications**

Training in writing skills, with emphasis on business writing in a career context. Writing projects include: memos, letters, reports, resumes, and employment correspondence.

Prerequisite(s): One of LET 3 (or LPI equivalent); a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

### **CMNS 1126 (3 CREDITS) (4:0:0)**

#### **Advanced Spelling, Punctuation and Proofreading**

This course offers advanced study in the areas of spelling, punctuation, sentence composition, and proofreading, with extensive practice designed to reinforce understanding and to develop a high level of skill in the practical application of the theory.

Prerequisite(s): CMNS 1116 with a minimum grade of 'C'.

### **CMNS 2228 (3 CREDITS) (3:0:1)**

#### **Advanced Written Communications**

Students in CMNS 2228 will learn advanced written communication skills, including both business and technical writing. Students will learn and practice advanced editing skills and writing for the Web.

Prerequisite(s): One of CMNS 1118, ENGL 1127, or ENGL 1140, or permission of the English Department.

## **Computer Science**

### **(CPSC)**

#### **Prerequisites**

Prerequisites for courses in Computer Science are valid for only three years. Students wanting to register in a course for which the prerequisite was taken more than three years ago will require departmental permission. Students may be required to write a diagnostic test or to "upgrade" the prerequisite. A course may only be used as a prerequisite if the Computer Science grade is at least 'C'.

#### **Repeating a course**

A Computer Science course may be taken only twice, regardless of the grade earned in the first enrolment. The Department Chair, or delegate, will decide on exceptions to this rule, usually on the basis of documented evidence of upgraded prerequisites.

Students with a substantial background in computer programming may be exempted from CPSC 1050 and/or CPSC 1150. See a faculty advisor for further information.

#### **Attendance**

Students will receive a failing mark if they miss 20% of the course components including lectures, seminars, and labs, unless there is verifiable evidence of an acceptable excuse.

#### **Grading**

1. In order to get a 'C' or higher grade in a Computer Science course, a student must achieve at least 50% average in the exam components of the course.
2. In courses which involve programming, students are required to hand in an attempt at solving every assignment in order to pass a course. In addition, students are required to obtain a satisfactory programming mark.

### **CPSC 1000 (3 CREDITS) (2:0:4)**

#### **Essential Computer Application**

This course is intended for students who have no previous (or limited) experience with computers. It provides an introduction to concepts in computer science as well as hands-on computer experience using many computer applications, including word processing, presentation software, spreadsheets, and databases. The windows operating system, file management, electronic mail, internet browsing, and the use of graphic images are integrated into the classroom and laboratory.

Note: Students will receive credit for only one of CPSC 1000 and BCAP 1200.

### **CPSC 1010 (3 CREDITS) (4:0:2)**

#### **Computing and Problem-Solving**

Develops a deep understanding of several computer applications (e.g. spreadsheets and databases); what they are, what they can do and how to use them effectively. Teaches general computer science concepts, design principles, and problem solving techniques using these applications. Lab activities focus on simple and complex spreadsheet solutions, database design principles, both within spreadsheets and databases, building to moderately complex database solutions.

Prerequisite(s): One of the following: Math 12 with 'C-' grade; Math 11 with 'B' grade; MDT 70; MATH 1150 with 'C-' grade; or one of: MATH 1152, 1153, 1170, 1171, 1173/1183, 1174 with 'C-'; or taken concurrently. Keyboarding and prior experience using a computer, such as the Internet and word processing, are essential.

### **CPSC 1030 (3 CREDITS) (4:0:2)**

#### **Web Development I**

Students will examine the structure of the Internet and the World Wide Web and how they work; design and implement professional interactive websites using styles in CSS. Topics include design principles, image manipulation, and simple CGI scripting. Explore innovative trends that use the Internet as a computing platform.

Prerequisite(s): None. (Basic computer literacy is recommended.)

### **CPSC 1040 (3 CREDITS) (4:0:2)**

#### **Introduction to Programming**

Introduction to programming with a modern programming language (e.g., Visual Basic NET) in a windowing (e.g., Microsoft Windows) environment. Program development skills including: analyzing a problem to make it amenable to programming; writing structured, modularized programs; program documentation; interacting with the computer operating system; event driven programming interface for GUI applications.

Prerequisite(s): None. Basic computer literacy is recommended.

### CPSC 1050 (3 CREDITS) (4:0:2)

#### Introduction to Computer Science

Offers a broad overview of the computer science discipline. Provides students with an appreciation for and an understanding of the many different aspects of the discipline. Topics include information and data representation; introduction to computer hardware and programming; networks; applications (e.g., spreadsheet, database); social networking; ethics; and history. Intended for both students expecting to continue in computer science as well as for those taking it for general interest.

### CPSC 1090 (3 CREDITS) (4:0:2)

#### Engineering Graphics

Orthographic projection, technical sketching, development of the ability to visualize in three dimensions. Standards and conventions of engineering drawing, graphical representation of engineering data. Introduction to computer-aided drawing (CAD). Vector graphics. Engineering geometry in solving 3-D space problems.

Prerequisite(s): MATH 1171 and PHYS 1219; or permission of department. Basic computer literacy is recommended.

### CPSC 1150 (3 CREDITS) (4:0:2)

#### Program Design

Provides a general understanding of computing environment and stored information; teaches algorithm development and fundamentals of programming using a suitable high-level language (e.g., Java); introduces abstraction concepts; and focuses on program design and implementation using the procedural programming paradigm.

Prerequisite(s): One of the following: MDT 85; Computer Science 12 with an 'A'; Mathematics 12 with a minimum grade of 'B'; one of MATH 1150, 1152, 1153, 1170, 1171, 1173/1183, 1174; a minimum grade of 'C' in one of CPSC 1040 or 1050; or permission of department. MATH 1150, 1152, 1153, 1170, 1171, 1173/1183 or 1174 may be taken concurrently.

### CPSC 1155 (3 CREDITS) (4:0:2)

#### Program Design for Engineers

This course concentrates on the key elements of good programming and C++ using a multitude of interesting and appropriate engineering and scientific examples. It covers the features of C++ needed for writing engineering programs including procedural abstraction using functions. The course also presents

fundamentals of numerical methods that represent commonly used techniques for solving engineering and scientific problems.

Prerequisite(s): One of the following: MDT 85, Computer Science 12 with an 'A'; Mathematics 12 with a minimum grade of 'B'; one of MATH 1150, 1152, 1153, 1170, 1171, 1173/1183, 1174; a minimum grade of 'C' in one of CPSC 1040 or 1050; or permission of department. MATH 1150, 1152, 1153, 1170, 1171, 1173/1183 or 1174 may be taken concurrently.

### CPSC 1160 (3 CREDITS) (4:0:2)

#### Algorithms and Data Structures I

Covers low-level operations, recursion, systematic software development, abstract data types, creation of libraries of reusable routines, sorting and searching algorithms, efficiency, algorithm analysis, pointers, arrays, dynamic memory management, linked lists, stacks, queues, introduction to hashing, binary trees and tree traversals, and advanced data manipulation. Object-oriented programming will be introduced.

Prerequisite(s): A minimum grade of 'C' in one of CPSC 1150 or 1155; or permission of department.

### CPSC 1180 (3 CREDITS) (4:0:2)

#### Paradigms of Computer Science

An introduction to functional programming, the distinctive features of a functional programming language, functional programming paradigms, and appropriate applications. This course is particularly recommended for students transferring to Computer Science at UBC.

Prerequisite(s): CPSC 1150 with minimum 'C' grade.

### CPSC 1181 (3 CREDITS) (4:0:2)

#### Object-oriented Computing

Introduces the fundamental concepts of programming from an object-oriented (OO) perspective: abstraction; objects; classes and class hierarchies; methods; parameter passing; encapsulation and information hiding; inheritance; polymorphism. OO design with modeling tools (e.g., class diagrams). Application of simple container/collection classes; event-driven programming; exception handling; GUI; multi-threading; and networking. Emphasizes good software engineering principles using a language that supports the OO paradigm (e.g., Java).

Prerequisite(s): A minimum grade of 'C' in one of CPSC 1150 or CPSC 1155; or permission of department.

### CPSC 1191 (3 CREDITS) (3:0:1)

#### Discrete Structures I

Introduces the foundations of discrete mathematics as they apply to computer science. Topics include proof techniques, logic, propositions, sets, functions, relations, counting, number theory, combinations and permutations.

Prerequisite(s): A minimum 'B' grade in Principles of Mathematics 11 or equivalent; or permission of the department.

### CPSC 1220 (3 CREDITS) (4:0:2)

#### Database I

A comprehensive introduction to theory and practice of designing and building databases and applications using database management systems. The relational model, relational algebra, SQL (the standard language for creating, querying, and modifying relational databases), UML or E/R approach to database design, as well as relational design principles based on functional dependencies and normal forms. Other topics include indexes, views, transactions, integrity constraints, and triggers. Students will design and implement a relational database for an enterprise as a major project using programming tools widely used in industry (e.g., Oracle).

Prerequisite(s): A minimum 'C' grade in one of CPSC 1040, CPSC 1150, or CPSC 1155.

### CPSC 1280 (3 CREDITS) (4:0:2)

#### Unix Tools and Scripting

Introduction to concepts and practices in operating systems, software engineering tools, system and network administration. Scripting languages, utilities, tools and techniques. Topics include: command line interface, filters, pipelines, file organization, reusable utilities, software configuration management, simplifying programming tasks, System/Network configuration, administration, and security issues.

Prerequisite(s): A minimum 'C' grade in one of CPSC 1150 or CPSC 1155; or permission of department.

### CPSC 1320 (2 CREDITS) (2:0:1)

#### Technical Communications

Introduction to the basics of communication for technologists. Effective written and verbal communication including format and response to RFPs (Request for Proposals); privacy, ethical and legal issues related to disclosure

of information; essentials of user documentation; documentation plan; producing on-line or web based help; user training; and teamwork.

Prerequisite(s): A minimum 'C' grade in BUSM 1310 (may be taken concurrently); or permission of department, an English or Communication course taken before or concurrently is recommended.

### **CPSC 1401 (3 CREDITS) (4:0:2)**

#### **Introduction to Computer Electronics**

Includes a thorough, comprehensive, and practical coverage of basic electrical and electronic concepts and circuits with special emphasis on trouble shooting and applications in computer systems. Students are expected to have a knowledge of elementary calculus and basic physics.

Prerequisite(s): Physics 12 or PHYS 1118 with minimum 'C' grade; or permission of the department.

### **CPSC 1480 (3 CREDITS) (4:0:2)**

#### **Networking**

A hands-on introduction to designing, installing and supporting computer networks including network standards, protocols, topologies, networking hardware and network operating systems. Enterprise-wide deployment of computing resources using client/server architecture. Administration of networking operating system facilities. Upon successful completion, students should have the foundation to challenge the CompTIA Network+ certification test.

Prerequisite(s): None. (CSIS 1410 is recommended.)

### **CPSC 2030 (3 CREDITS) (4:0:2)**

#### **Web Development II**

Intermediate website design and development covering information architecture, accessibility and usability. Includes advanced CSS, basic programming (client-side and server-side scripting), the Document Object Model (DOM), handling form data and designing for mobile devices. Students will design and implement a moderately complex website as a class project.

Prerequisite(s): A minimum 'C' grade in CPSC 1030; or permission of the department.

### **CPSC 2130 (3 CREDITS) (4:0:2)**

#### **Multimedia and Animation**

Presents the core multimedia technologies and standards including text, audio, video, graphics, 2D and 3D modeling and animation. Standard algorithms, tools and techniques for manipulating multimedia objects. Use of multimedia scripting languages and authoring environments. Students will design and implement a multimedia project.

Prerequisite(s): A minimum 'C' grade in one of CPSC 1040, 1150 or 1155; or permission of the department. CPSC 1030 is recommended.

### **CPSC 2150 (3 CREDITS) (4:0:2)**

#### **Algorithms and Data Structures II**

Linear and non-linear structures and their implementation using the object-oriented programming paradigm. Topics include algorithm analysis, algorithmic paradigms (divide and conquer, greedy heuristic, backtracking and dynamic programming), data representation, matrices, lists, stacks, queues, mappings, dictionaries, binary trees, balanced trees, B-trees, tree traversals, meta-languages, expression trees, prefix, infix and postfix expressions and conversions, priority queues and heaps, search trees, hashing, Huffman codes, graphs, and graph algorithms.

Prerequisite(s): A minimum 'C' grade in CPSC 1160; or permission of department. CPSC 1181 is recommended.

### **CPSC 2180 (3 CREDITS) (4:0:2)**

#### **Computing Architecture**

Fundamental concepts of computing and computer architecture. Topics include: solvability of problems using a computer, universal computers, virtual machines, number representation in a computer, memory organization and addressing schemes, internal representation of data, assembly language, interfaces, and operating systems issues.

Prerequisite(s): A minimum 'C' grade in one of CPSC 1160 or CPSC 1181; or permission of department.

### **CPSC 2190 (3 CREDITS) (4:0:2)**

#### **Theoretical Foundations of Computer Science**

Covers sets and propositions; relations and functions; permutations, combinations and counting; induction proofs; graphs, trees and networks; Boolean algebra and mathematical models; application of theoretical concepts to program development.

Prerequisite(s): A minimum 'C' grade in one of CPSC 1150 or CPSC 1155; or permission of department. MATH 1153, 1171, 1173/1183 or 1174 is recommended.

### **CPSC 2191 (3 CREDITS) (3:0:1)**

#### **Discrete Structures II**

A continuation of CPSC 1191 to provide the foundations of discrete mathematics as they apply to computer science. Topics include discrete probability, recurrence relations, analysis of algorithms, graphs (theory, representation, and algorithms), trees, boolean algebra, and language recognition.

Prerequisite(s): A minimum 'C' grade in CPSC 1191; or permission of the department.

Note: Students will receive credit for only one of CPSC 2190 and CPSC 2191.

### **CPSC 2211 (3 CREDITS) (4:0:2)**

#### **Human-Computer Interaction**

Introduces students to the art and science of Human-Computer Interaction (HCI). Fundamental theory and practice of the design, implementation and evaluation of HCI with the focus on effective user interface design for typical applications software. It emphasizes user-centered approach throughout development, presenting current design approaches and tools.

Prerequisite(s): A minimum 'C' grade for CPSC 1160 and 1181; or permission of the department. (CPSC 2150 recommended.)

### **CPSC 2220 (3 CREDITS) (4:0:2)**

#### **Database II**

Review of the relational model and study transaction management and concurrency control. Introduces object-oriented and object-relational data models and XML. Extensive coverage of web application development along with Data Integration, Data Warehousing, OLAP, and Data Mining technologies. Discussion of issues that arise in databases for Wireless Systems, GIS, and Genome. Students will implement a multi-tier client/server relational database with a web interface using an industry standard DBMS (e.g., Oracle with JDBC interface).

Prerequisite(s): A minimum 'C' grade in CPSC 1220 and 2150; or permission of the department. CPSC 2150 may be taken concurrently.

Note: File structures foundation is covered in CPSC 1160.

### **CPSC 2261 (3 CREDITS) (4:0:2)**

#### **Web Technology I**

Offers an intermediate to advanced practical treatment of the architecture of Web-based information systems. Topics include protocols; the role of clients, servers, gateways, and proxies; document markup languages; client and server side programming/scripting; database integration; server administration and security; and applications (such as e-commerce).

Prerequisite(s): A minimum 'C' grade in one of CPSC 1150 or CPSC 1155, and a minimum 'C' grade in one of CPSC 1030 or CPSC 1280; or permission of the department.

### **CPSC 2280 (3 CREDITS) (4:0:2)**

#### **Operating Systems**

Covers the theory and application interface of operating systems including a basic introduction to distributed systems; process scheduling and management; memory management; file systems; I/O services; driver architecture; operating system management and security. Labs focus on the application interface to these system services including multi-threaded and client/server applications using the UNIX operating system. Case studies to explore other modern operating systems such as Windows, Windows 98, Windows NT, OS/2, and Mac.

Prerequisite(s): A minimum 'C' grade in both CPSC 1280 and 2150; or permission of the department.

### **CPSC 2295 (2 CREDITS) (2:0:2)**

#### **Special Topics**

Special topics in Applied Computing which are of current interest or are not covered in the regular curriculum. Offered from time to time depending on student interest and Department's recommendation.

Prerequisite(s): Registration in the ACST or in the PCST Program or permission of the Department Chair.

### **CPSC 2301 (3 CREDITS) (4:0:2)**

#### **Software Engineering**

The design and implementation of medium and large-scale software systems using group programming techniques. A best practices approach to understanding people, product, process and technology issues in an enterprise. Software Engineering principles, techniques, methodologies, standards, quality assurance including verification and

validation, design and development tools. Students will undertake a comprehensive team software development project with emphasis on issues such as system functionality, flexibility, maintainability, risk management, time and resource constraints, and documentation.

Prerequisite(s): A minimum 'C' grade in one of CPSC 1160 or 1181, and a minimum 'C' grade in both CPSC 1220 and 1280; or permission of department.

Note: Students will receive credit for only one of CPSC 2301 and CSIS 2302.

### **CPSC 2320 (1 CREDIT) (2:0:1)**

#### **Formal Topics in Computer Science**

Introduction to aspects of computer science theory that have practical applications. Logic: propositional and predicate calculus. Proof: induction; application to program specification. Languages: regular expressions and context-free grammars. Credit will not be granted for both CPSC 2320 and CPSC 2190; students wishing university transfer credit should take CPSC 2190 instead.

Prerequisite(s): A minimum 'C' grade in CPSC 2150.

### **CPSC 2390 (3 CREDITS) (4:0:2)**

#### **Capstone Project**

The design, implementation and testing of a large multi-module software system using a team approach. Students will undertake a comprehensive team software development project, producing a substantial software product using current methodologies and practices.

Prerequisite(s): Permission of department.

### **CPSC 2401 (3 CREDITS) (4:0:2)**

#### **Digital Systems Design**

Develops an understanding of computer electronics from the bottom up; starting with binary numbers and codes, moving through switch, gate, and register levels and concluding with an introduction to system architecture. Topics will include binary arithmetic and codes, combinational design, PLDs, two-level minimization, the K-Map method, multiplexers, decoders, adders, subtractors, sequential circuit concepts and design; delays and latches; triggering methods, flip-flops, and clocking issues. Register-level design and Architecture-level design; Basic computer organization, and microprocessor-based systems. Students will develop a major lab project for this course.

Prerequisite(s): CPSC 1401 and a minimum 'C' grade in one of CPSC 1150 or CPSC 1155; or permission of department.

### **CPSC 2451 (3 CREDITS) (4:0:2)**

#### **Hardware Architecture**

Covers the computer hardware architecture and its implementation with case studies of current machines. Includes uni- and multi- processors; processor architectures and enhancements; memory hierarchies; processor and system buses; I/O sub-systems, and peripherals. Labs focus on exercising the low-level hardware/software interface of a number of machine architectures, estimating the impact of enhancements on system performance and case studies of new architectures.

Prerequisite(s): A minimum 'C' grade in CPSC 2180 and CPSC 2401; or permission of the department.

### **CPSC 2480 (3 CREDITS) (4:0:2)**

#### **Data Communications and Networks**

Fundamental concepts of Data Communications and Networking including data link control and multiplexing; data communications equipment and software; communications protocols; networking with particular emphasis on the OSI international model; alternative to networks as well as issues of network software integration in modern operating systems. A series of lab assignments and experiments to illustrate data communications techniques and fundamentals of design, configuration and implementation of LAN will be given.

Prerequisite(s): A minimum 'C' grade in both CPSC 2180 and CPSC 2401; or permission of the department.

### **CPSC 2490 (3 CREDITS) (4:0:2)**

#### **TCP/IP & Enterprise Networks**

Introduction to protocols. Logical model of TCP/IP programming; addressing in IP4 and IP6, TCP and UDP ports. Overview of network technologies. The structure of a TCP/IP network. Static and dynamic address assignments; routing and routing protocols. Internet multicasting. Private network interconnection: NAT, VPN. Client-Server model of interaction. Network programming with sockets. Bootstraps and autoconfiguration BOOTP, DHCP. The domain name system DNS. Measuring and improving bandwidth. Designing a network. Security issues: firewall design, bastion machines, and proxies. Diagnosing network problems.

Prerequisite(s): CPSC 1280 with minimum 'C' grade; or permission of the department.

### **CPSC 2720 (3 CREDITS) (4:0:2)**

#### **Distributed & Concurrent Computing**

Client/server models: 1, 2, and n-tier. Processes and threads. Concurrency issues: synchronization, starvation, and deadlock. Interprocess communication: messages and remote procedure calls. Transactions: the ACID (atomic, consistent, isolated, durable) model. Programming with transactions. Survey of current middleware packages including message queuing and transaction management systems. Distributed database applications. Applying object-oriented techniques to the design of distributed applications.

Prerequisite(s): CPSC 1220 and 2150 with minimum 'C' grade; or permission of the department.

### **CPSC 2730 (3 CREDITS) (4:0:2)**

#### **Web Technology II**

Topics include Extensible Markup Language (XML), XML tools and style sheets (XSL); enterprise-wide web deployment solutions focusing on functionality, performance optimizations, platform independence and security; and survey of current enterprise tools.

Prerequisite(s): CPSC 2261 with a minimum 'C' grade; or permission of the department.

### **CPSC 2810 (3 CREDITS) (4:0:2)**

#### **Computer and Information Security**

An introduction to the policies, mechanisms, and implementations of computer security. Provides an understanding of threats, including script kiddies; covert channels; and malicious logic such as viruses, worms, time bombs, and trap doors. Students will learn how attacks work, how to defend against attacks, and how to design and administer secure systems and networks.

Prerequisite(s): A minimum 'C' grade in one of: CPSC 1280 or 1480; or permission of the department.

## **Computing Sc & Information Sys (CSIS)**

### **CSIS 1300 (3 CREDITS) (4:0:0)**

#### **Systems Analysis & Design**

An introduction to the basic skills and techniques of systems analysis. Emphasis is placed on the role of the systems analyst in an organization and the involvement of people in the overall process. In addition, the following topics are covered: project life cycle; structured, object-oriented and agile methodologies; charting techniques; forms design; coding methods; observation; and interview techniques. Students will also complete the design of a small business application.

Note: Students will receive credit for only one of CSIS 1300 and CISY 1115.

### **CSIS 1310 (3 CREDITS) (4:0:0)**

#### **Business Systems**

Provides an understanding of applications commonly encountered in business. Emphasis is placed on the system design considerations, files, programs, procedures and controls required to computerize systems such as order entry, billing, accounts receivable, purchasing, accounts payable, payroll, general ledger, inventory management, forecasting and control. Students complete a project to analyze information systems problems and develop recommendations for solutions.

Prerequisite(s): CSIS 1300 or permission of the department.

Note: Students will only receive credit for either CSIS 1310 or CISY 1215, and not both courses.

### **CSIS 1410 (3 CREDITS) (4:0:2)**

#### **Fundamentals of Microcomputers**

Installing and maintaining hardware and software on Intel-based computers including computer organization and architecture, hardware and system software installation, maintenance and troubleshooting. Upon successful completion, students should have the foundation to challenge the CompTIA A+ certification test.

Prerequisite(s): None. (Basic computer literacy is recommended.)

Note: Students will only receive credit for either CSIS 1410 or CISY 1117 and not both courses.

### **CSIS 2302 (3 CREDITS) (4:0:2)**

#### **Project Management**

The application of knowledge, skills, tools and techniques to project activities to meet project requirements in an enterprise. A best practices approach to understanding project life cycles, project processes, integration, scope, people issues, and procurement management. Software engineering principles, methodologies, standards, quality assurance including verification and validation, design and development tools. Students will undertake a comprehensive team software development project with emphasis on issues such as system functionality, flexibility, maintainability, risk management, time and resource constraints, and documentation.

Prerequisite(s): A minimum 'C' grade in both CSIS 1310 and CPSC 1220; or permission of department.

Note: Students will receive credit for only one of CPSC 2301 and CSIS 2302.

### **CSIS 2500 (3 CREDITS) (4:0:0)**

#### **Management Information Systems**

Explores the many ways technology assists organizations to function and to understand the effects of information systems on organization structure, management and employees. Emphasis will be placed on the use of the Internet in a Network Enterprise.

Prerequisite(s): 15 credits or permission of the department. (CSIS 1300 and one of CPSC 1000 or BCAP 1200 are recommended.)

Note: Students will receive credit for only one of BCAP 1237, BCAP 3200, CSIS 2500 and CISY 2415.

## Criminal Justice

### (CJUS)

The following course is offered by the Criminal Justice Department. From time to time, seats may be available to arts and science students not in the Criminal Justice Program. See also (CRIM) Criminology.

#### **CJUS 1217 (3 CREDITS) (3:1:2)**

##### **Security**

This course provides a basic level of instruction for private security accordance with the first component of the Basic Security Training Standards (B.S.T. 1) of the Ministry of the Attorney General for British Columbia Licensing. In addition, the course will focus on the role of private security in the protection of commercial and industrial operations against profit loss. The instructor and guest lecturers will cover loss through theft, fraud, robbery, burglary, vandalism, fire, carelessness, etc.

## Criminology

### (CRIM)

The following courses are offered by the Criminal Justice Department. From time to time, seats may be available to arts and science students not in the Criminal Justice Program.

##### **Prerequisites**

Prerequisites for CRIM 1215, 1216, 2315, 2316, 2415, 2416:

1. A score of Level 4 in Langara English Test (LET) or an essay score of 30 or higher on the Language Proficiency Index (LPI) test or a minimum 'C' grade in one of ENGL 1127, 1128, 1129 or 1130  
**and**
2. A minimum 'C' grade in one of the following courses:
  - CRIM 1115, (or CRIM 1125 for CRIM 1215)
  - ECON 1119, 1220, 1221
  - HIST 1116, 1126
  - PHIL 1100, 1101
  - POLI 1110, 1119
  - PSYC 1115, 1215
  - SOCI 1120, 1121

Students who do not meet the above prerequisite requirements, but have post-secondary, university-transferable credits or experience may apply to the Chair of the Criminal Justice Department for permission to take any of the criminology courses listed above.

#### **CRIM 1115 (3 CREDITS) (3:1:0)**

##### **Introduction to the Criminal Justice System**

This course is designed to introduce the student to the various components of the Canadian Criminal Justice System (C.J.S.), the roles of its principle participants, the interaction between the components, and some of the issues which both facilitate and complicate the administration of justice in Canada. The course will also focus on special topics that include: Youth, Natives and Women in the C.J.S.; the Charter and the C.J.S.; and the changing role of the corrections and the Criminal Justice System. Finally, there will be an in-depth examination of the Donald Marshall Jr. case and the subsequent Royal Commission inquiry into the Marshall case.

Note: Restricted to students enrolled in the Criminal Justice Program.

#### **CRIM 1116 (3 CREDITS) (3:1:0)**

##### **Introduction to Canadian Law and Legal Institutions**

General introduction to jurisprudence, sources and divisions of law, the development of the Canadian Constitution, major legal institutions, doctrines of Precedent and Stare Decisis, the rules and principles of statutory interpretation, and significant areas of substantive law.

#### **CRIM 1125 (3 CREDITS) (3:1:0)**

##### **Introduction to Criminology**

An introduction to criminology as an academic discipline and as a profession. The course will examine different terms and concepts commonly used in criminology; explore the relationship between criminology and other academic disciplines; provide an overview of the history and evolution of criminological thought; and develop a critical appraisal of theoretical explanations, research methods, and the philosophical and political foundations of modern criminological policy.

#### **NEW CRIM 1213 (3 CREDITS) (4:0:0)**

##### **Women and the Justice System**

This course will examine historical and contemporary perspectives on women as offenders and victims of crime. The frequency and types of crime committed by women, and against women, will be explored as well as the criminal justice system's response to these issues. Specific emphasis will be given to visible minority women, women in prison, and programs and services designed for female offenders. The course will also highlight women working in the criminal justice system as well as the media's representation of women who come into conflict with the law.

#### **CRIM 1215 (3 CREDITS) (3:1:0)**

##### **Introduction to Policing**

This course will examine many issues affecting policing in Canada. Time will be spent tracing the historical underpinnings of the Canadian policing experience and reviewing how these events dictated and confused the mandate of the police officer. Contemporary issues to be explored will include: the selection, training and promoting of officers; the types of police work, specifically the patrol and detective functions; Community policing; police powers; discretion; police misconduct; the police sub-culture; and the police organization.

Prerequisite(s): See information at the beginning



of the CRIM course listing.

### **CRIM 1216 (3 CREDITS) (3:1:0)**

#### **Criminal Law**

General introduction to the nature, scope, sources and general principles of Criminal Law in Canada. Review of the history and evolution of Canadian Criminal Law. Study of the concepts of Mens Rea and Actus Reus. Critical examination of legislative policies expressed in the Criminal Code. Analysis of criminal responsibility. Review of legal principles in relation to selected major crimes and defences in Canada.

Prerequisite(s): See information at the beginning of the CRIM course listing.

### **CRIM 1220 (3 CREDITS) (4:0:0)**

#### **Research Methods in Criminology**

This course provides students with an overview of research methods typically used in criminology and other social science disciplines. The course will cover both qualitative and quantitative research methods. Topics include the practice of social science research; ethics of research; data gathering strategies; and how to analyze data and present results in a written report. This course does not involve statistical analysis; a background in mathematics is not required.

### **CRIM 2315 (3 CREDITS) (3:1:4)**

#### **Introduction to Corrections**

The purpose of this course is to familiarize the student with various theoretical and practical issues facing the Corrections arm of the Canadian Criminal Justice System. Included in the course will be an exploration of the historical underpinning of Canadian Corrections as well as its role and present structure. This course will examine sentencing options available to the judiciary and their impact on the operations of Corrections. In addition, this course will explore relevant issues relating to life as an inmate or a correctional officer within the present system.

Prerequisite(s): See information at the beginning of the CRIM course listing.

### **CRIM 2316 (3 CREDITS) (3:1:2)**

#### **Criminal Law and Court Procedure**

Critical examination of selected topics in criminal procedure and evidence, including cross-national comparisons where appropriate. Detailed examination of the impact of the Charter of Rights on criminal procedure and admissibility of evidence. Review of various procedures contained in the Young Offenders Act and selected regulatory legislation.

Prerequisite(s): See information at the beginning of the CRIM course listing.

### **CRIM 2415 (3 CREDITS) (4:0:0)**

#### **Multiculturalism and the Criminal Justice System**

The purpose of this course is to familiarize the student with multicultural issues that relate to the administration of justice in Canada. The central issues to be explored are values, belief systems, culture, prejudice, discrimination, stereotyping, employment equity and immigration. Once these issues are understood, an examination will begin into those areas where culture conflicts with the philosophical and legal intent of the criminal justice system.

Prerequisite(s): See information at the beginning of the CRIM course listing.

### **CRIM 2416 (3 CREDITS) (4:0:0)**

#### **Law, Youth and Young Offenders**

In this course, students will analyze the definitions and control mechanisms for youthful misconduct in Canadian society from an historical and in a contemporary context. Included will be an examination of state responses to criminal behaviour of young persons, especially the Young Offenders Act (YOA) and related legislation and case law. Concepts such as 'juvenile delinquency' and the 'young offender' will be considered.

Prerequisite(s): See information at the beginning of the CRIM course listing.

### **CRIM 2417 (3 CREDITS) (4:0:0)**

#### **Ethics and Professional Issues in Justice and Law (Formerly: Professional Ethics and Issues in Criminal Justice)**

Students will examine various ethical and other issues which affect professionals in the fields of Justice and Law. Students will review relationships with clients, the public, the Government, employers and other professionals. Professional codes of conduct and government and legal regulation will be referred to. Topics will include confidentiality, conflicts of interest and duty, ethics in research and in decision-making, and use and abuse of power, as well as others of interest to students in the course.

Note: Recommended that program students be in 4th term to register for this courses.

# Design

## (DSGN)

The following studio courses, except DSGN 1100, 1200, and 2100, are restricted to students in the Design Formation Program and those with Departmental permission.

Students registered in the Design Formation Program must achieve a minimum grade of 'C' in ALL DSGN studio courses to enrol in the next term of the program. Students may NOT drop any studio courses in this program.

It should be noted that study beyond that included in the program curriculum is required to enter the specific industry areas of graphic and interior design.

### **DSGN 1100 (3 CREDITS) (3:1:0)**

**Design Explorations: From Typography to Tattoos**  
(Formerly: DDSN 1100)

This course explores the relevance and impact of design in our everyday lives and details design trends and transitions in an historical context. It examines the form and function of everyday items such as tattoos, music posters, magazine covers, cell phones, as well as automobiles and houses, and it explores how environment, culture, and technology have shaped - and continue to shape - the design of such commonly used items. The course also looks at how design is related to "branding" and its influence on consumer preferences. This course is open to all Langara students wishing to explore trends in design, as well as those intending to pursue studies in the visual arts areas, or considering careers in design. This course is not intended to teach students design skills.

Note: Students will receive credit for only one of DDSN 1100 and DSGN 1100.

### **DSGN 1151 (3 CREDITS) (3:1:0)**

**Communication Design I**  
(Formerly: DDSN 1151)

This course is a basic graphic design course that addresses good design applied in everyday print situations. The intent is to create an awareness of graphic design principles and processes to accomplish tasks such as the design of logos, business cards, self promotional materials, stationery packages, resume design, and simple ads. Basic knowledge of type classifications, letter and word spacing, strategies of layout, and creative thinking will all assist the novice designer to make

good choices based on knowledge of sound design principles. Whether the student is entering a general arts area or a path focused on design, the skills gathered in this course, along with the accomplishments of projects assigned, will give the student a strong design foundation for a variety of computer software applications. With the importance of the computer in day-to-day information, skills to create visual communication (graphic design) are a necessity. This course encourages creative thought, visual communication vocabulary, layout skills, typography knowledge, and visual solutions as opposed to teaching software applications directly. All projects in this class can be hand-done or done using basic computer skills.

Prerequisite(s): Acceptance into the Design Formation Program or department permission.

Note: Students will receive credit for only one of DDSN 1151 and DSGN 1151.

### **DSGN 1152 (3 CREDITS) (3:1:0)**

**3D Design: Retail Visual Presentation I**  
(Formerly: DDSN 1152)

This course will give the student an awareness of what Retail Visual Presentation is and the range of applications found in the retail business environment. Students will acquire basic Retail Visual Presentation techniques, concentrating on the universal principles of design as they apply to 3D design and composition. The semester will include explorations in the area of theme development, display theory, methods and materials, industry standards, and basic presentation techniques that are utilized for a variety of commodity groups.

Prerequisite(s): Acceptance into the Design Formation Program or permission of the department.

Note: Students will receive credit for only one of DDSN 1152 and DSGN 1152.

### **DSGN 1153 (3 CREDITS) (3:1:0)**

**Introduction to Interior Spaces**  
(Formerly: DDSN 1153)

The student will learn about current decorating and interior design trends, including furnishings, styles of lighting, use of colour and pattern, art, and accessories. They will be exposed to the basic elements and principles that govern interior design decision-making. They will learn about communicating their own design ideas

in a streamlined yet effective manner. Students will look at space planning, covering the most important concerns of the major rooms in a house, and focus on troubleshooting planning problems through progressively more challenging cases.

Prerequisite(s): Acceptance into the Design Formation Program or department permission.

### **DSGN 1154 (3 CREDITS) (3:1:0)**

**Form, Materials and Process**  
(Formerly: DDSN 1154)

This course will introduce the student to new materials, the safe operation of tools, and techniques utilized in the visual presentation field. This is a project-based course that will enable students to explore and develop the skills and technical knowledge required to complete design assignments discussed in 3D Design: Retail Visual Presentation I.

Prerequisite(s): Acceptance into the Design Formation Program or department permission.

Corequisite(s): DSGN 1152

Note: Students will receive credit for only one of DDSN 1154 and DSGN 1154.

### **NEW DSGN 1200 (3 CREDITS) (3:1:0)**

**Design Explorations II: The Designers - Form + Function**

Students take an in-depth look at the leading visionaries who have altered the way we see and use products, create cult status, and shape spaces in our environments. We will analyze a variety of designers of architecture, graphic design, and industrial design to see how changes in our society, changes in our environment, and changes in technology have created the "need" for objects to be designed. This course will illustrate how these objects and spaces have a strong impact on society, how and where we live, what we buy, and what we view.

Prerequisite(s): DSGN 1100 is recommended.

Note: This course is open to all students.

### **DSGN 1250 (3 CREDITS) (3:1:0)**

#### **Communication Design II (Formerly: DDSN 1250)**

Building on skills begun in Communication Design I, students further develop the vocabulary and technical skills essential in graphic communications, and they explore in greater depth the conceptual and design process, and the development of personal style. Students will also explore working in a single and multipage document, brand and packaging design, printing processes basics, and developing an ability to apply 2D graphics in a 3D surface.

Prerequisite(s): DSGN 1151, 1152, 1153, and 1154; or permission of the Department Chair.  
Corequisite(s): DSGN 1252, 1253, and 1255.

Note: Students will receive credit for only one of DDSN 1211/1212, DDSN 1250, and DSGN 1250.

### **DSGN 1252 (3 CREDITS) (3:1:0)**

#### **3D Design: Retail Visual Presentation II (Formerly: DDSN 1252)**

Building on skills from 3D Design: Retail Visual Presentation I, students will acquire further knowledge of more complex skills and techniques. The course will also cover the following: merchandising principles, fashion styling; hard goods and soft goods handling; lifestyle presentations and staging; and proposal presentations including budgets, scheduling, costing, and estimating for retail and special event presentations. Students will explore the current industry of special events and related industries.

Prerequisite(s): DSGN 1152; or permission of the Department Chair.  
Corequisite(s): DSGN 1250, 1253, 1255.

Note: Students will receive credit for only one of DDSN 1252, DDSN 2221/2222, and DSGN 1252.

### **DSGN 1253 (3 CREDITS) (3:1:0)**

#### **Interior Spaces: Representation (Formerly: DDSN 1253)**

This course introduces students to drafting techniques in order to visually present ideas and concepts of floor plans, elevations, furnishings, and fixtures. Using the tool of drafting, students learn to translate their drafting into models using a variety of materials and techniques.

Prerequisite(s): DSGN 1153 and 1154; or permission of the Department Chair.  
Corequisite(s): DSGN 1250, 1252, and 1255.

Note: Students will receive credit for only one of DDSN 1231/1232, DDSN 1253, and DSGN 1253.

### **DSGN 1255 (3 CREDITS) (3:1:0)**

#### **Computers & Design: Adobe Creative Suite (Formerly: DDSN 1255)**

This course introduces students to Photoshop, InDesign, and Illustrator (CS4), scanning, and printing using the Mac environment. This introductory course introduces students to the tools and capabilities of the CS4 Adobe package.

Note: Students will receive credit for only one of DDSN 1255 and DSGN 1255.

### **NEW DSGN 2100 (3 CREDITS) (3:1:0)**

#### **Furniture Design**

This course explores the furniture design process through to the design of a full-scale prototype chair. The chair provides an opportunity to synthesize idea, material, fabrication, and form at an achievable scale. The prototype chair gives students an opportunity to physically realize their own design. In this class, students develop their design and fabrication skills through exploration of the conceptual, aesthetic, and structural issues involved in the design and construction of a full-scale prototype chair.

Prerequisite(s): None, but some experience fabricating (high school shop) or some experience drawing (CAD or hand) is useful.

### **DSGN 2151 (3 CREDITS) (3:1:0)**

#### **Communication Design: Typography (Formerly: DDSN 2151)**

This course is an in-depth study of typography skills for designers. Beginning with an historical timeline, students will see the cultural and technological changes in the design of letterforms. Letterform anatomy, syntax, legibility, grids, messages, integration of type, and images will be explored through case studies and student projects.

Prerequisite(s): DSGN 1151 or by permission of instructor.

Note: Students will receive credit for only one of DDSN 1251, DDSN 2151, and DSGN 2151.

### **DSGN 2152 (3 CREDITS) (3:1:0)**

#### **3D Design: Exhibits and Events I (Formerly: DDSN 2152)**

This course is designed to expose students to the broader scope of 3D Visual Presentation applications, which will include the fundamentals of exhibit and museum design. The focus of this term will emphasize variety of scale and application. Students will be challenged to further develop their existing skills, with the goal of reaching a new level of professionalism. The development of portfolio worthy compositions will also be a focus of this term.

Prerequisite(s): DSGN 1152 and 1252 or department permission.

### **DSGN 2153 (3 CREDITS) (3:1:0)**

#### **Interiors: Store Planning (Formerly: DDSN 2153)**

This course is designed to address the Store Planning and Themed Exhibit needs of Visual Presentation Professionals.

Prerequisite(s): DSGN 1153 and 1253 or department permission.

### **DSGN 2154 (3 CREDITS) (3:1:0)**

#### **Career Research**

(Formerly: DDSN 2154)

This course will expose students to potential career possibilities, employment aptitude, and preparedness techniques. Through a series of guest speakers from the Applied Design Community, workshops facilitated by the instructor, and research assignments, students will explore personal career opportunities.

Prerequisite(s): DSGN 1151, 1152, 1153, 1154, 1251, 1252, 1253, and 1254.

Corequisite(s): Level 3 Design Studios

### **DSGN 2251 (3 CREDITS) (3:1:0)**

#### **Communication Design: Major Projects** (Formerly: DDSN 2251)

In this final term course, students in communication design focus on major projects development. Critical assessment, analysis, and fine tuning of design projects will assist the student in preparing for industry and assist in creation of their personal sales book.

Prerequisite(s): DSGN 1151, 1250, 2151, and 1255.

Corequisite(s): DSGN 2252 and 2253.

Note: Students will receive credit for only one of DDSN 2211/2212, DDSN 2251, and DSGN 2251.

### **DSGN 2252 (3 CREDITS) (3:1:0)**

#### **3D Design: Exhibits and Events II** (Formerly: DDSN 2252)

This course is designed to enhance the professional caliber of the skills and techniques explored in the three previous terms of the program. Exhibit and event design involves the conception, development, and execution of the design of spatial environments as a vehicle for communication. The course investigates how space and the objects within it interact with the physical body and human perception to create messages. The course takes a comprehensive look at all facets of the design process including observation and analysis, research, planning, design conceptualization, detail development, and documentation in two and three dimensions. Working in groups and individually, students will learn to demonstrate and articulate, through a variety of media, their findings, approaches, and design solutions.

Prerequisite(s): DSGN 1151, 1152, 1153, 1154, 1250,

1252, 1253, 1255, 2151, 2152, and 2153

Corequisite(s): DSGN 2251 and 2253

Note: Students will receive credit for only one of DDSN 2221/2222, DDSN 2252, and DSGN 2252.

### **DSGN 2253 (3 CREDITS) (3:1:0)**

#### **Computers and Design**

(Formerly: DDSN 2253)

Students are introduced to computer aided drafting and presentation. This hands-on course encourages students to practice advance techniques of 3D drafting with current software. These skills give students an ability to formally and professionally present their designs.

Prerequisite(s): DSGN 1151, 1152, 1153, 1154, 1250, 1252, 1253, 1255, 2151, 2152, and 2153; or permission of the Department Chair.

Corequisite(s): DSGN 2251 and 2252.

Note: Students will receive credit for only one of DDSN 2231/2232, DDSN 2253, and DSGN 2253.

### **DSGN 2254 (3 CREDITS) (3:1:0)**

#### **Field Study**

(Formerly: DDSN 2254)

Building on the skills and knowledge in the Career Research course, students will explore the process of designing their portfolio. With consideration of the type of industry, professional identity, personal objectives, and skills needed, students will secure a practicum design position. A variety of options to explore include a design studio, or an in-house design position in a large company or organization; a place in a degree program; or the establishment of a freelance business. This course provides students the opportunity to use their skills and experience and contribute, where possible, on design projects with industry supervision. Students gain valuable insight in design environments and project deadlines. These insights pave the way for career directions.

Prerequisite(s): DSGN 1151, 1152, 1153, 1154, 1250, 1252, 1253, 1255, 2151, 2152, and 2153 with a minimum 'C' grade in all studios; and a minimum grade point average of 3.0.

Corequisite(s): DSGN 2251, 2252, and 2253.

Note: Students will receive credit for only one of DDSN 2254, DDSN 2427, and DSGN 2254.

## **Early Childhood Education**

### **(ECED)**

The following Early Childhood Education courses are restricted to students in the Early Childhood Education Programs.

#### **ECED 1101 (1 CREDIT) (1:0:.5)**

##### **Language Arts for Young Children I**

The purpose of this section of the E.C.E. Program is to help students gain knowledge and insight into the development of language of the young child and to provide students with opportunities to practice skills in the motivation and guidance of young children through suitable experiences in the communication field.

#### **ECED 1104 (1 CREDIT) (1:0:.5)**

##### **Exploring the Environment with Young Children I**

This section of the E.C.E. Program is designed to provide students with the knowledge and skills necessary to guide young children's understanding of the environment and their relationship with it. Workshop sessions will focus on appropriate science, social studies, and mathematical experiences for young children.

#### **ECED 1108 (2 CREDITS) (2:0:1)**

##### **Creative Experiences for Young Children I**

The purpose of this course is to introduce students to the importance of art, music and movement experiences in the lives of children from birth to six years. This course will provide students with the theory and practice opportunities to enable them to understand, appreciate, design, implement, and assess quality experiences for young children in the creative arts.

#### **ECED 1115 (3 CREDITS) (3:1:0)**

##### **Foundations of Early Childhood Education**

This course is an introduction to the basic principles involved in the development of early childhood education. The historical, philosophical and cultural roots of contemporary programs will be surveyed. Emphasis is on current issues and future trends in society and education that directly impact contemporary early childhood programs in Canada today.

**ECED 1116 (3 CREDITS) (3:0:0)****Knowing the Individual Child**

An introduction to the general principles of growth and development in the early childhood years with particular emphasis on methods of observing, recording, and documenting behaviour.

**ECED 1118 (3 CREDITS) (3:0:0)****Introduction to Program Planning**

This course is an introduction to the planning and development of play based programs for children from birth to six years of age. Emphasis is placed on the basic principles on which decisions are made regarding developmentally appropriate practice in contemporary early childhood programs.

**ECED 1119 (2 CREDITS) (0:0:6)****Practicum I**

An overview of the various types of early childhood centres in the community, their goals and objectives, and varieties of instruction and administration. Focus is on developing rapport with children and staff, planning, implementing, and assessing developmentally appropriate activities. Graded S/U.

Corequisite(s): ECED 1101, 1104, 1108, 1115, 1116 and 1118.

**ECED 1201 (1 CREDIT) (1:0:.5)****Language Arts for Young Children II**

The purpose of this section of the E.C.E. Program is to help students gain knowledge and insight into the development of language of the young child and to provide students with opportunities to practise skills in the motivation and guidance of young children through suitable experiences in the communication field. This course is a continuation of ECED 1101.

Prerequisite(s): Successful completion of Term 1 courses.

**ECED 1204 (1 CREDIT) (1:0:.5)****Exploring the Environment with Young Children II**

This section of the E.C.E. Program is designed to provide students with the knowledge and skills necessary to guide young children's understanding of the environment and their relationship with it. Workshop sessions will focus on appropriate science, social studies, and mathematical experiences for young children. This course is a continuation of ECED 1104.

Prerequisite(s): Successful completion of Term 1 courses.

**ECED 1208 (2 CREDITS) (2:0:1)****Creative Experiences for Young Children II**

The purpose of this course is to introduce students to the importance of art, music and movement experiences in the lives of children from birth to six years. This course will provide students with the theory and practice opportunities to enable them to understand, appreciate, design, implement, and assess quality experiences for young children in the creative arts. This course is a continuation of ECED 1108.

Prerequisite(s): Successful completion of Term 1 courses.

**ECED 1214 (3 CREDITS) (3:0:0)****Program Planning for Infants and Toddlers**

This course is designed to provide students with the theory and practical experiences needed to plan, implement and assess early childhood programs for infants and toddlers. Emphasis will be placed on caregiving strategies that meet the needs, interests and abilities of infants and toddlers in a childcare setting. Students will be provided with opportunities to familiarize themselves with materials, equipment resources and planned activities needed to provide quality care and to promote children's physical and psychosocial growth within an infant-toddler setting.

Prerequisite(s): Successful completion of Term 1 courses.

**ECED 1217 (3 CREDITS) (3:0:0)****Human Relations in Early Childhood Programs**

A study of the techniques and skills required by the early childhood educator to communicate effectively with children, parents, colleagues, and community resource workers.

Prerequisite(s): Successful completion of Term 1 courses.

**ECED 1218 (3 CREDITS) (3:0:0)****Program Planning and Implementation**

Practical aspects of planning, implementing, and evaluating curricula in early childhood education programs. Theoretical perspectives and practical aspects of guiding young children in Early Childhood Education programs are discussed and practised in this course. Emphasis is on teaching strategies, including guidance techniques, as well as the guiding of children through developmentally appropriate activities and learning encounters.

Prerequisite(s): Successful completion of Term 1 courses.

**ECED 1219 (3 CREDITS) (0:0:9)****Practicum II**

Practical experience for developing the skills necessary for curriculum planning in selected early childhood education centres. Graded S/U.

Prerequisite(s): Successful completion of Term 1 courses.

Corequisite(s): ECED 1201, 1204, 1208, 1214, 1217, and 1218

**ECED 1301 (1 CREDIT) (1:0:.5)****Language Arts for Young Children III**

The purpose of this section of the Early Childhood Program is to help students gain knowledge and insight into the development of language of the young child and to provide students with opportunities to practise skills in the motivation and guidance of young children through suitable experiences in the communication field. This course is a continuation of ECED 1201.

Prerequisite(s): Successful completion of Term 2 courses.

**ECED 1308 (3 CREDITS) (2:0:2)****Creative Environments for Young Children**

Integrating activities helps young children coordinate their learning experiences and is an effective method of reinforcing concepts. This course is a continuation of ECED 1204 and 1208. Its purpose is to provide students with the knowledge and skills necessary to integrate curricular areas that help young children expand their creative potential and curiosity to explore their world. It is designed to promote young children's social, emotional, intellectual, physical and language development, within a framework that balances naturalistic, formal and informal learning.

Prerequisite(s): Successful completion of Term 2 courses.

**ECED 1315 (3 CREDITS) (3:1:0)****Developing and Supervising Early Childhood Centres**

Emphasis in this course is on the role of the supervisor in the organization, administration, and continuing development of early childhood education programs, community relationships and professional development.

Prerequisite(s): Successful completion of Term 2 courses.

**ECED 1318 (3 CREDITS) (3:0:0)****Evaluating and Individualizing Programs**

Practical aspects of planning, implementing and evaluating curricula in early childhood education programs are discussed and practised in this course. Emphasis is placed on the examination of a variety of program styles that provide integrated learning experiences geared to the developmental level of the individual child, including those children with uniquely different needs: "Putting it all together."

Prerequisite(s): Successful completion of Term 2 courses.

**ECED 1319 (4 CREDITS) (0:0:16)****Practicum III**

Advanced supervised fieldwork experience with particular emphasis on planning and implementing integrated programs. Graded S/U.

Prerequisite(s): Successful completion of Term 2 courses.

Corequisite(s): ECED 1301, 1308, 1318, and 1325

**ECED 1325 (3 CREDITS) (4:0:0)****Health, Nutrition and Safety**

This course provides the student with the basic principles and practices of health safety and nutrition related to the care of children from birth to six years in early childhood settings. Topics to be covered include: common childhood illnesses and communicable diseases, preventative health measures, safety and supervision practices, nutritional needs of young children, and meal planning. Community resources available to support the health needs of young children will be explored.

Prerequisite(s): Successful completion of Term 2 courses.

**ECED 1329 (3 CREDITS) (0:0:14)****Infant and Toddler Practicum**

This is an advanced practicum in which students will plan and implement a program for the care of infants and toddlers. Students will have an opportunity to demonstrate their knowledge gained in their first three semesters of Early Childhood Education. Graded S/U.

Prerequisite(s): ENGL 1127, CMNS 1115, PSYC 2318, 2324, 2328, ECED 1319, and all other ECE courses in the Basic ECE Program, or permission of the department.

**ECED 2410 (1 CREDIT) (3:0:0)****Introduction to Supported Child Care**

This course will introduce students to the philosophy and practice of inclusive Child Care. Topics will include: family centered practice, environment adaptations, speech, language and behaviour interventions.

**ECED 2415 (3 CREDITS) (3:0:0)****Introduction to Early Childhood Special Education**

This course is designed to orient students to the field of education for children with special care and learning needs. A survey of the historical and philosophical perspectives that influence contemporary inclusive programs. Topics will include: early intervention, inclusion, legislation, and government policies and procedures.

Prerequisite(s): See admission requirements.

**ECED 2417 (3 CREDITS) (3:0:0)****Human Relations**

This course is designed to present the techniques and skills required for the early childhood educator to work effectively with children with special needs and their families. Emphasis will be placed on team and interdisciplinary approaches to child care and guidance, administration and funding concerns. There will be an overview of the community resources available to lend support to the child with special needs and his/her family and the early childhood educator.

Prerequisite(s): ECED 2415 or PSYC 2318 or permission of the department.

**ECED 2418 (3 CREDITS) (3:0:0)****Special Education Program Planning**

This course covers early childhood program planning, use of materials and equipment, the role of the supervisor, techniques of classroom management, learning phenomena in children, and methods of meeting the needs of individual children with special needs. It is designed to acquaint the student with early childhood education curriculum planning and implementation including nutrition and feeding, behavioural objectives, lesson plans, resource units, and long term planning for children with special needs, with emphasis on the child in an inclusive setting.

Prerequisite(s): ECED 2415 and PSYC 2318 and ECED 2417 (may be taken concurrently) or permission of Department Chair.

**ECED 2419 (3 CREDITS) (0:0:14)****Early Childhood: Special Education Practicum**

This is an advanced practicum in which students will plan and implement a program in an integrated early childhood setting. Students will have opportunities to demonstrate advanced professional knowledge and practice in working with children, staff, families and other professionals.

Prerequisite(s): ECED 2415, 2417, 2418 and PSYC 2318

## Economics

### (ECON)

The Economics Department strongly recommends that students who have not taken Economics courses at the college level enter directly into ECON 1110, 1119 or 1120. The rate of successful completion of ECON 1220 and 1221 is significantly lower for those students who do not have some Economics background. The department also recommends that students who enrol in ECON 1220 or 1221 should have Mathematics 11 or equivalent.

Students wanting to register in both ECON 1220 and 1221 in the same semester require an overall GPA of 3.0 and permission of the department chair.

### ECON 1110 (3 CREDITS) (3:1:0)

#### Urban and Rural Economic Issues

This course uses economic principles to describe and analyze economic issues confronting urban and rural areas, such as poverty, housing, transportation, municipal government, urban sprawl, and quality of life.

### ECON 1119 (3 CREDITS) (3:1:0)

#### Canadian Domestic and International Issues

This course uses economic principles to describe and analyse contemporary domestic and international issues confronting the Canadian economy.

### ECON 1120 (3 CREDITS) (3:1:0)

#### The Development and Modernization of Latin America

This course will provide an introduction to the economic development of Latin America, from the pre-colonial to the modern period, focusing on the central theme of development from various perspectives by examining contemporary issues juxtaposed with case studies.

### ECON 1195 (3 CREDITS) (4:0:0)

#### Special Topics I

This number is reserved for Economics courses that may be offered from time to time by: a) Economics faculty who may wish to present a course in their specialty which may be of limited interest; or b) visiting Economics lecturers.

Prerequisite(s): Will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding ECON 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

### ECON 1220 (3 CREDITS) (3:1:0)

#### Principles of Microeconomics

Introductory concepts; the market system; price determination; demand and utility; competitive supply; cost analysis; market structures; equilibrium of the firm; pricing of factor inputs; land rents; wages; interest and capital.

Note: Students may take ECON 1220 and 1221 in either order.

### ECON 1221 (3 CREDITS) (3:1:0)

#### Principles of Macroeconomics

Introductory macroeconomic concepts; circular flow of income and product; national income; equilibrium level of domestic income; fiscal policy; money and banking; international trade; inflation and unemployment.

Note: Students may take ECON 1220 and ECON 1221 in either order.

### ECON 1295 (3 CREDITS) (4:0:0)

#### Special Topics II

This number is reserved for Economics courses that may be offered from time to time by: a) Economics faculty who may wish to present a course in their specialty; or b) visiting Economics lecturers.

Prerequisite(s): Will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding ECON 1295 offerings will be made in the *Registration Guide* and *Course Schedule*.

### ECON 2210 (3 CREDITS) (3:1:0)

#### Money and Banking

This course examines the economics of the Canadian financial system. By taking this course, you will develop a greater understanding of the structure and operation of the banking system, interest rate determination, risk and term structures of interest rates, financial markets and intermediation, regulation of the financial system, and monetary policy.

Prerequisite(s): ECON 1220 and 1221 with a minimum 'C' grade.

### ECON 2221 (3 CREDITS) (4:0:0)

#### Strategic Thinking

This course examines the basics of game theory with applications to a variety of disciplines. The focus is on thinking logically, critically, and strategically.

Prerequisite(s): ECON 1220 and 1221.

### ECON 2251 (3 CREDITS) (4:0:0)

#### Intermediate Microeconomic Analysis

Consumer behaviour, production, exchange, equilibrium of the firm under different market structures, factor markets, economic welfare. Intended primarily for Bachelor of Commerce students.

Prerequisite(s): Both ECON 1220 and 1221 with a minimum 'C' grade; and one of MATH 1153, 1171, 1173, 1174, or 1274 with a minimum 'C' grade.

Note: ECON 2251 and 2296 are similar courses. Credit will be given for only one of these courses.

### ECON 2252 (3 CREDITS) (4:0:0)

#### Intermediate Macroeconomic Analysis

Income and employment theory, monetary theory, the open economy, economic fluctuations and growth.

Prerequisite(s): Both ECON 1220 and 1221 with a minimum 'C' grade; and one of MATH 1153, 1171, 1173, 1174 or 1274 with a minimum 'C' grade.

### ECON 2255 (3 CREDITS) (3:1:0)

#### Globalization in an Economic Framework

This course examines the complex and rapidly accelerating process of globalization from an economic perspective. Issues discussed will reveal the broad domain of globalization and will include definitions and history; trade arguments and patterns; the behaviour of corporations and the response of national governments; the effects on the environment, small business and workers; and protest movements.

Prerequisite(s): One of the following courses with a minimum 'C+' grade: ECON 1119, 1220, 1221, ANTH 2270, GEOG 1160, 2250, 2270, LAMS 2206, POLI 1160, 1250, 2240, SOCI 2223, 2240, or permission of instructor.

### ECON 2260 (3 CREDITS) (3:1:0)

#### Environmental Economics

Students will examine the links between the economy and the environment. They will use economic principles to explain why environmental problems occur in a market economy and study how economic policy instruments can be used to deal with these problems.

Prerequisite(s): ECON 1220 and 1221.

### **ECON 2280 (3 CREDITS) (3:1:0)**

#### **Labour Economics**

Basic analysis of the labour market and the industrial relations system with emphasis on the major issues of public policy in Canada.

Prerequisite(s): ECON 1220 and 1221.

### **ECON 2296 (3 CREDITS) (3:1:0)**

#### **Managerial Economics**

Economic foundations of managerial decision making including demand and cost theory, decision making under uncertainty, price determination, pricing strategies, asymmetric information, and market failures.

Prerequisite(s): ECON 1220 with a minimum 'C+' grade; ECON 1221 with a minimum 'C' grade; and one of MATH 1153, 1171, 1173, 1174, 1253, 1271, 1273, or 1274 with a minimum 'C' grade.

Note: ECON 2296 and 2251 are similar courses. Credit will be given for only one of these courses.

### **ECON 2298 (3 CREDITS) (4:0:0)**

#### **The Economics of Capital Assets and Project Evaluation**

This course will provide students with the general tools for evaluation of the intertemporal flows of funds that arise in many contexts. Topics will include mortgages and other loan payments, bond and stock pricing, exchange rates, components of required rates of return, exchange rates and how to evaluate alternative investment projects that generate flows of funds over time.

Prerequisite(s): A minimum grade of 'C' in both ECON 1220 and 1221; and a minimum grade of 'C' in MATH 1153, 1171, 1173 or 1174.

## **Education Assistant**

### **(EDAS)**

The following Education Assistant courses are restricted to students enrolled in the Education Assistant Program. For certificate completion, all courses must be completed with a minimum grade of 'C-' and all practicums must be completed with a grade of "S."

### **EDAS 1100 (3 CREDITS) (4:0:0)**

#### **Behavioral theory**

In this foundation course, students will investigate theories about how and why children and adolescents behave as they do. Individual differences in behavior between and among age groups will also be examined. Implications for students with disabilities in the school setting will be discussed.

### **EDAS 1110 (3 CREDITS) (4:0:0)**

#### **The Process of Learning**

In this foundation course, students will investigate theories of learning as they apply to all students. Implications for students with disabilities will be examined. Students will have the opportunity to discuss observations about their own and others' learning strengths and styles.

### **EDAS 1111 (3 CREDITS) (0:0:8)**

#### **Practicum I**

This three-week, fifteen-day practical course will provide students with 105 hours of practical experience. The focus of this first practicum is to assist students with the integration of knowledge learned in the first six weeks of first-term courses. In addition, it will provide practical experiences that can be utilized during the five-week completion of first term courses. Students may be placed in either an elementary or secondary school setting. Team meetings will be regularly scheduled for students. Supervising teachers and Langara supervisors will support student reflection and discuss planning for further application of learning. Graded S/U.

### **EDAS 1120 (3 CREDITS) (0:0:4)**

#### **The Education Assistant Role in the Education System**

In this course, students will develop an understanding of roles and responsibilities of people at all levels of the school system (Ministry, district and school), and how the role of the education assistant fits within the context of the school and district. Students will also be required to demonstrate an understanding of what it means to act in a professional manner, and to be aware of how their system of values and beliefs affect practice.

Note: Minimum 'C-' grade is required for certificate completion.

### **EDAS 1130 (3 CREDITS) (4:0:0)**

#### **Supporting Personal Care**

At the end of this module, students will have the knowledge base necessary to understand the range of personal care supports they might be required to perform in the classroom setting. They will understand their role as a team member when placing and supporting the health and physical care needs of the student.

Note: Minimum 'C-' grade is required for certificate completion.

### **EDAS 1140 (3 CREDITS) (0:0:4)**

#### **Child and Adolescent Development in the School Context**

In this course, students will explore the physical, social, emotional cognitive and moral development of children and adolescents. Developmental theory and its implications for understanding the individual needs of school-age children will be examined. In addition, the needs of all children, in particular, children and adolescents with disabilities, within the inclusive setting will be examined within a practical framework.

Note: Minimum 'C-' grade is required for certificate completion.

### **EDAS 1200 (3 CREDITS) (0:0:4)**

#### **Supporting Positive Behavior**

This course will focus on positive behavioural support that enhances student participation and interaction with others. Knowledge about a variety of approaches, proactive program designs and support strategies will be central to blending theory from Term 1 to practice in Term 2.

Prerequisite(s): EDAS 1100



### EDAS 1210 (3 CREDITS) (0:0:4)

#### Supporting Learning

At the end of this course, Education Assistants will be able to support student learning by applying learning theory from Term 1 to practical situations. They will be knowledgeable about a variety of instructional strategies and will be prepared to offer observations and ideas to the team to support students in meeting their individualized goals, whether they are academic or life skills.

Prerequisite(s): EDAS 1110

### EDAS 1211 (3 CREDITS) (0:0:35)

#### Practicum II

This practical course will encompass a three block practicum six weeks into the second term. Students may be placed in either an elementary or secondary school setting. This experience will provide students with a continuation of their work in Practicum I where they will be given the opportunity to refine their skills and become more involved in team work and curriculum building. Seminar times with the students, supervising teachers and Langara supervisors will be scheduled to support reflection, planning and evaluation. Graded S/U.

Prerequisite(s): EDAS 1111

### EDAS 1220 (3 CREDITS) (4:0:0)

#### Supporting Teamwork

(Formerly: Supporting Teamwork and Student Inclusion)

This practical course is designed to foster effective team skills particularly relevant to the cooperative and collaborative nature of the work of Education Assistants. Students will have the opportunity to practice and improve upon the skills necessary for effective team planning.

Prerequisite(s): EDAS 1120

Note: Minimum 'C-' grade is required for certificate completion.

### EDAS 1230 (3 CREDITS) (0:0:4)

#### Supporting Student Communication

At the end of this course, students will understand their role in supporting the communication needs of students. They will understand how augmented and alternative modes of communication are developed.

### EDAS 1311 (4 CREDITS) (0:0:35)

#### Practicum III

This four-week, twenty-day practicum provides students with 140 hours of practical experience in an elementary or secondary school setting. This experience will provide students with a continuation of their work in Practicums I and II where they will be given the opportunity to refine their skills and become more involved in teamwork and curriculum building. Team meetings with the students, supervising teachers and Langara supervisors will be scheduled to support reflection, planning and evaluation.

Prerequisite(s): EDAS 1211

## English

### (ENGL)

#### Langara English Test and Language Proficiency Index

Students planning to enrol in a first-semester English course must take the Langara English Test (LET) or Language Proficiency Index Test (LPI) prior to the semester in which they want to register. Students who have BC English 12 or BC English Literature 12 or equivalent with an 80% are not required to write the LET or LPI.

#### Prerequisites

LET Level	LPI Equivalent
LET 0	LPI 0
LET 1	LPI Less than 24 on the essay
LET 2	LPI 24 or 25 on the essay
LET No2	No LPI Equivalent
LET 3	LPI 26 on the essay with one of the following: <ul style="list-style-type: none"> <li>• 5/10 or higher in sentence structure; or</li> <li>• 5/10 or higher in English usage; or</li> <li>• 10/20 or higher in reading comprehension.</li> </ul>
LET 4	LPI 26 on the essay with minimum <ul style="list-style-type: none"> <li>• 5/10 in sentence structure; and</li> <li>• 5/10 in English usage; and</li> <li>• 10/20 in reading comprehension.</li> </ul>
LET 5	LPI 30 on the essay with minimum <ul style="list-style-type: none"> <li>• 5/10 in sentence structure; and</li> <li>• 5/10 in English usage; and</li> <li>• 10/20 in reading comprehension.</li> </ul>

#### Repeating a course

Students may take a first-semester English course a maximum of two times. (For the purpose of this rule, ENGL 1127 and ENGL 1128 are regarded as the same course.) The Chair of the Humanities Division or the Department Chair of English may waive this rule in exceptional cases, particularly if the student can provide evidence of upgrading.

## First Year English Courses

### Note

1. Students will not receive credit for both ENGL 1127 and ENGL 1128. If both courses are taken, the most recent grade will be calculated in the GPA.
2. Students will not receive credit for both ENGL 1129 and ENGL 1130. If both courses are taken, the most recent grade will be calculated in the GPA.
3. ENGL 1125 and ENGL 1135 and ENGL 1181 and ENGL 1191 may be taken for unassigned credit in first or second year and may be taken in any order.

### NEW ENGL 1100 (3 CREDITS) (3:1:0)

#### Reading and Writing about Literature

ENGL 1100 is writing-intensive introduction to the disciplines of literary studies. It examines three or four literary texts in their critical and scholarly contexts in regard to a single interdisciplinary topic and from the perspectives of at least three sub-disciplines of literary studies, such as narratology, historiography, psychoanalytic criticism, eco-criticism, etc.

Prerequisite(s): One of the following: LET 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121) or LPI equivalent; a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: ENGL 1100 fulfills the new writing requirement in the Faculty of Arts at UBC. Students entering other faculties at UBC or planning to transfer to other institutions should take ENGL 1127 or 1128 instead of ENGL 1100.

### ENGL 1107 (3 CREDITS) (4:0:0)

#### Language and Composition I

This is a course designed for students of English as a Second Language at the post-secondary level who require additional training in the fundamental skills of reading and writing. It covers both oral and written communication but emphasizes reading and composition. If you have a below-standard score on the LPI or the LET, you may earn entry to ENGL 1127 by achieving a passing mark in ENGL 1107. This course does not carry transfer credit, nor may it be used towards a Langara College credential. Graded S/SR/U. (SR and U grades will not meet Ministry requirements for Student Loan eligibility.)

Prerequisite(s): LET 2 (or LPI equivalent)

Note: Students whose LPI or LET score qualifies them for ENGL 1127 require the instructor's permission to register in this course.

### ENGL 1108 (3 CREDITS) (4:0:0)

#### Language and Composition II

This course is designed for English as a Second Language students (and serves as a follow-up course for ENGL 1107) who received a "SR" grade rather than an 'S' in ENGL 1107. The course covers writing, grammar and reading at a more advanced level than ENGL 1107, and students with a "Satisfactory" grade in ENGL 1108 may go directly to ENGL 1127. This course does not carry transfer credit and cannot be used toward a certificate, diploma or associate degree. This is a course designed for students of English as a Second Language at the post-secondary level who require additional training in the fundamental skills of reading and writing. It covers both oral and written communication but emphasizes reading and composition. If you have a below-standard score on the LPI or the LET, you may earn entry to ENGL 1127 by achieving a passing mark in ENGL 1107. This course does not carry transfer credit, nor may it be used towards a Langara College credential. Graded S/SR/U. (SR and U grades will not meet Ministry requirements for Student Loan eligibility.)

Prerequisite(s): An 'SR' standing in ENGL 1107

Note: Students whose LPI or LET score qualifies them for ENGL 1127 require the instructor's permission to register in this course.

### ENGL 1110 (3 CREDITS) (4:0:0)

#### Writing and Grammar Skills

This course teaches intermediate grammar and essay writing to speakers of English as a first language who scored a level 3 on the Language Proficiency Index, or a LETN 02, or who have been recommended by the English Department. Emphasis is on teaching the essay writing skills required for ENGL 1127. A pass in the course meets the prerequisite requirements for ENGL 1127. This course does not carry transfer credit and cannot be used toward a certificate, diploma or associate degree. Graded S/SR/U. (SR and U grades will not meet Ministry requirements for Student Loan eligibility.)

Prerequisite(s): Speaker of English as a first language and a Langara English Test score of LETN 02 or by permission of the English Department. If you have an LPI score of 22, please contact the English Department Chair for correct placement.

### ENGL 1121 (3 CREDITS) (4:0:1)

#### Reading and Writing Skills

Instruction and practice in intermediate reading and writing skills. Emphasis is on reading college-level non-fiction texts and writing accurate summaries. Some analysis is expected. Students will also be expected to spend an hour per week in the Writing Centre.

Prerequisite(s): One of LET 3 (or LPI equivalent); a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: This course does not carry transfer credit.

### ENGL 1125 (3 CREDITS) (3:4:0)

#### Introduction to Linguistics: Contemporary

This course introduces students to various descriptions of language, with special attention to recent models. It covers the nature and acquisition of language and how to analyze its sounds, words, and sentences.

Prerequisite(s): One of LET 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121) or LPI equivalent; a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: ENGL 1125 and 1135 may be taken in first or second year and may be taken in any order.

### ENGL 1126 (3 CREDITS) (3:1:0)

#### Introduction to Essay Writing

English 1126 focusses on strategies for actively reading, analyzing, and composing various kinds of essays, including narrative, descriptive, expository and persuasive texts. Students will develop strategies for summarizing, planning, drafting, documenting (using MLA style) and revising university-level essays, including essay exams and the research paper. The course requires that students employ a recursive writing process.

Prerequisite(s): One of LET 4 (or LET 3 or LPI equivalent with a strong recommendation of concurrent registration in ENGL 1121); a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: Students may earn credit for only one of ENGL 1126, 1127, or 1128.

### **ENGL 1127 (3 CREDITS) (3:1:0)**

#### **Essay Writing and Short Prose Selections**

This course emphasizes the principles of composition through the study and writing of various kinds of essays, including the research essay. As a secondary aim, it encourages an appreciation of modern literature through a study of the short story.

Prerequisite(s): One of LET 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121) or LPI equivalent; a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: This course will also be offered by Guided Independent Study and as a Web course. See the *Registration Guide* for details.

Students may earn credit for only one of ENGL 1126, 1127, or 1128.

### **ENGL 1128 (3 CREDITS) (3:1:0)**

#### **Short Prose Selections and Composition**

While this course includes a study of the principles of composition through the study of various kinds of essays, including the research essay, it emphasizes an appreciation of modern prose writing through the study of both short stories and essays. Most writing assignments are related to the literature studied. Because this course is designed for students with superior writing skills, more intensive reading will be required.

Prerequisite(s): One of LET 5 (or LPI equivalent) or a minimum 85% in one of BC English 12 or BC English Literature 12.

Note: Students may earn credit for only one of ENGL 1126, 1127, or 1128.

### **ENGL 1129 (3 CREDITS) (3:1:0)**

#### **Modern Novel, Poetry, and Drama**

This course introduces students to the modern novel, to a selection of poems, mainly from the twentieth century, and to a sampling of modern drama. Writing assignments are related to the literary works studied.

Prerequisite(s): One of ENGL 1126, 1127, or 1128.

Note: This course will also be offered by Guided Independent Study and as a Web course. See the *Registration Guide* for details.

Students may earn credit for only one of ENGL 1129 or 1130.

### **ENGL 1130 (3 CREDITS) (3:1:0)**

#### **Modern Novel, Poetry, and Film**

This course introduces students to the modern novel, to a selection of poems, mainly from the twentieth century, and to the dramatic elements and narrative techniques of modern film. Writing assignments are related to the works studied. A feature film series accompanies the course, in addition to class hours.

Prerequisite(s): One of ENGL 1126, 1127, or 1128.

Note: This course will sometimes be offered as a Web course. See the *Registration Guide* for details.

Students may earn credit for only one of ENGL 1129 or 1130.

### **ENGL 1135 (3 CREDITS) (3:1:0)**

#### **Introduction to Linguistics: Historical**

This course introduces students to the history and development of the English language from its origins in the Indo-European family through Anglo-Saxon and Middle English to its present day form. It studies the changes that have taken place in sounds, spelling, and ordering, as well as the ways in which English has enriched its vocabulary.

Prerequisite(s): One of LET 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121) or LPI equivalent; a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: ENGL 1125 and 1135 may be taken in first or second year and may be taken in any order.

### **ENGL 1140 (3 CREDITS) (2:0:2)**

#### **Writing Across the Curriculum**

In this course, students will learn basic writing strategies and how to apply them in disciplines such as the Humanities, Social Sciences, Sciences, and Business. Through readings from these fields, students will also hone their analytical skills and discover a variety of forms of rhetoric and style. As well, they will learn to use the MLA and APA systems of documentation. Assignments will encompass both analysis and specific writing strategies.

Prerequisite(s): ENGL 1127 or ENGL 1128 or CMNS 1118 or equivalent.

### **ENGL 1181 (3 CREDITS) (3:1:0)**

#### **History of Drama and Theatre I**

This course is a study of drama and theatre history of the Primitive, Greek, Roman, Medieval, and Renaissance periods. Students will be given a combination of written and oral assignments.

Prerequisite(s): One of LET 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121) or LPI equivalent; a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: ENGL 1181 and ENGL 1191 may be taken in first or second year and may be taken in any order.

### **ENGL 1191 (3 CREDITS) (3:1:0)**

#### **History of Theatre and Drama II**

This course is a study of drama and theatre history of the Restoration and the eighteenth, nineteenth, and twentieth centuries. Students will be given a combination of written and oral assignments. (This course is usually preceded by ENGL 1181, but it can be taken either before or along with ENGL 1181.)

Prerequisite(s): One of LET 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121) or LPI equivalent; a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: ENGL 1181 and ENGL 1191 may be taken in first or second year and may be taken in any order.

### **ENGL 1195 (3 CREDITS) (3:1:0)**

#### **Special Topics I**

This number is reserved for English courses that may be offered from time to time by: a) English Department faculty who may wish to present a course in their specialty; or b) visiting lecturers in English.

Prerequisite(s): announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding ENGL 1195 offerings will be in the *Registration Guide* and *Course Schedule*.

### **ENGL 1295 (3 CREDITS) (3:1:0)**

#### **Special Topics II**

This number is reserved for English courses that may be offered from time to time by: a) English Department faculty who may wish to present a course in their specialty; or b) visiting lecturers in English.

Prerequisite(s): announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding ENGL 1295 offerings will be in the *Registration Guide* and *Course Schedule*.

### **NEW ENGL 2100 (3 CREDITS) (3:1:0)**

#### **Principles of Traditional Grammar**

In this course, students will study traditional methods used to describe the spoken and written forms of English. Students will become familiar with terms and categories including major and minor parts of speech as well as sentence, clause, and phrase types. Students will learn to parse sentences and to identify clause and phrase functions. Students will also examine the prescriptive features of traditional grammar, with particular emphasis upon the influence of the 18th and 19th century grammarians.

Prerequisite(s): ENGL 1127 or 1128, and ENGL 1129 or 1130.

### **ENGL 2223 (3 CREDITS) (3:1:0)**

#### **Survey of English Literature I**

This course introduces students to the tradition of early English literature, focusing on Chaucer, Shakespeare, and Milton. Term papers are required.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2224 (3 CREDITS) (3:1:0)**

#### **Survey of English Literature II**

This course explores a range of English literature by focusing on major authors and literary forms from the Restoration to the late nineteenth century. Term papers are required. (ENGL 2224 is usually preceded by ENGL 2223, but it can be taken either before or along with ENGL 2223.)

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2225 (3 CREDITS) (3:1:0)**

#### **Canadian Literature**

This course provides an introduction to Canadian literature, focusing on a selection of representative fiction, poetry, and drama, and noting some of its characteristic patterns and trends. Term papers are required.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2227 (3 CREDITS) (3:1:0)**

#### **Intermediate Composition**

This course teaches the strategies of reading and writing non-fiction prose. Students will learn and practice various rhetorical techniques - including description, narration, cause and effect, definition, comparison, classification, and argument - that will help them effectively convey their ideas to a specific audience. While this course focuses on academic writing, skills acquired will transfer beyond the classroom to the workplace and other settings.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2230 (3 CREDITS) (4:0:0)**

#### **Survey of Narrative Film**

This course will examine major historical movements in narrative cinema, with particular emphasis on genres and stylistic shifts in acting, scripting, and production design. Film showings will be accompanied by introductory lectures and following discussions. A research project is required in addition to examinations.

Prerequisite(s): ENGL 1126, 1127, or 1128; and ENGL 1130; or approval of the instructor. ENGL 2230, 2330, and 2430 may be taken in any sequence.

### **ENGL 2231 (3 CREDITS) (3:1:0)**

#### **World Literature in English**

Students in this course will study 20th and 21st century literature written in English outside the traditional British/ North American contexts. Course themes and content, as determined by the English Department, may vary each semester. Check the *Registration Guide* for details.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2233 (3 CREDITS) (3:1:0)**

#### **Prose Fiction**

Students in this course will study prose fiction in a variety of forms with the goal of improving their strategies for reading and writing about 20th and 21st century prose. Course themes and content, as determined by the English Department, may vary each semester. Check the *Registration Guide* for details.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2234 (3 CREDITS) (3:1:0)**

#### **Literature From a Feminist Perspective**

This course concentrates on literature written by women and about women but welcomes students of both sexes. Depending upon the instructor, the focus of the course may be fiction, poetry, drama or criticism, taking into consideration feminist viewpoints. Term papers are required.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2235 (3 CREDITS) (3:1:0)**

#### **American Literature**

This introductory course explores a selection of major writers and themes and gradually builds a view of the distinctive features of American literature. Writing assignments are related to the works studied.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2236 (3 CREDITS) (3:1:0)**

#### **Creative Writing: Prose Fiction**

This study of the short story emphasizes individual student writing, but the course also includes some analysis and discussion of recent and current directions in prose fiction. You will be expected to complete one or two average-length short stories and participate in writing workshops.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

### **ENGL 2237 (3 CREDITS) (3:1:0)**

#### **Exploring Literature**

This course examines one genre, theme, or national literature. Contents vary with instructor and semester. Check the *Registration Guide* and *Course Schedule* each semester for details. Term papers and extensive reading are required.

Prerequisite(s): ENGL 1129 or 1130 or equivalent

**ENGL 2238 (3 CREDITS) (3:1:0)****Studies in Drama**

Students in this course will study a variety of plays with the goal of improving their strategies for reading and writing about dramatic texts. Term papers and extensive reading will be required. Course themes and content may vary as determined by the English Department, each semester. Check the *Registration Guide* for details.

Prerequisite(s): ENGL 1129 or equivalent

**ENGL 2239 (3 CREDITS) (3:1:0)****Studies in Poetry**

The course examines a broad range of poems, mostly from the twentieth century. It focuses on questions of form, style, theme, and craft in order to develop an appreciation of the richness and variety of poetic expression. Term papers, oral presentations, and active involvement in discussions are required.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

**ENGL 2246 (3 CREDITS) (4:0:0)****Creative Writing: Stageplay**

Students will read and study some professionally written one-act plays, but the central focus of the course will be on developing a one- or two-act play for the stage, revised on the basis of dramatic reading workshops. Preliminary assignments will include a short prose narrative, some character sketches, and exercises in the languages of dialogue, action, and setting.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

**ENGL 2256 (3 CREDITS) (4:0:0)****Creative Writing: Screenwriting**

Students will study the elements of screenwriting and develop a synopsis and character back stories before writing the first thirty pages of an original screenplay. Through dialogue workshops with trained actors and a director, students will revise and polish scenes. Selected scenes will be performed and videographed in a studio.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

**ENGL 2266 (3 CREDITS) (4:0:0)****Creative Writing: Poetry**

Students will study examples of contemporary poetry and poetic theory, but our central focus will be the writing of poems. In a supportive workshop environment, writers will read their work and receive feedback. Each writer will produce a portfolio of their eight best poems, revised and presented according to standard publishing guidelines.

Prerequisite(s): ENGL 1129 or 1130 or equivalent.

**ENGL 2276 (3 CREDITS) (4:0:0)****Creative Writing: Non-Fiction**

Students will study the forms and techniques of the personal essay. While students will analyse samples from a variety of professional writers, the focus of the course will be on the development of the students' own writing abilities. Students will keep a creative journal and will produce two 6-10 page personal essays. They will be encouraged to submit work for publication and to participate in public readings.

Prerequisite(s): ENGL 1126, 1127 or 1128; and ENGL 1129 or 1130.

**ENGL 2327 (3 CREDITS) (3:1:0)****Intermediate Composition II**

Building on what students have learned in English 2227 (or equivalent), English 2327 students will continue their studies of rhetoric, "the art of persuasion." Through close analysis of various kinds of prose models, students will improve their critical reading and writing skills. They will learn various strategies for discovering and developing various kinds of arguments, including dialectic, inductive, deductive, narrative, oral, and visual arguments.

Prerequisite(s): ENGL 2227 or equivalent.

**ENGL 2330 (3 CREDITS) (4:0:0)****Studies in Canadian Cinema**

This course examines the historical development, accomplishments, limitations, and possible future directions of Canadian cinema. Film viewings will range from early silent works to contemporary French and English-language productions.

Prerequisite(s): ENGL 1126, 1127, or 1128; and ENGL 1130; or approval of the instructor.

ENGL 2230, 2330, and 2430 may be taken in any sequence.

**ENGL 2430 (3 CREDITS) (3:1:0)****Film Through Theory**

This course examines the language of film criticism, history, and discourse, while studying the forms of narrative, cinematography, and direction within a theoretical context. Specifically designed for those students with a serious interest in cinema, the course will concentrate on the important cinematic and theoretical texts that govern current critical views of film, including formalist, psychoanalytical, semiological, feminist, and post-Marxist. Short films and film clips will be shown in class; students will be asked to view longer films on their own outside of class.

Prerequisite(s): ENGL 1126, 1127, or 1128; and ENGL 1130; or approval of the instructor.

ENGL 2230, 2330, and 2430 may be taken in any sequence.

**NEW ENGL 2530 (3 CREDITS) (4:0:0)****Studies in Film Genre or Period**

This course examines one or more film genres or periods, such as film noir, silent films, and films of the 1970s, as well as various national or regional cinemas. Essays are required.

Prerequisite(s): ENGL 1126, 1127, or 1128; and ENGL 1130. With departmental approval, a Fine Arts or Film Arts background could replace ENGL 1130 as long as one year of English has been completed.

**NEW ENGL 2630 (3 CREDITS) (3:1:0)****American Cinema 1930-1960**

This course examines Classical Hollywood Cinema: its narrative mode and subversions of it, its history from 1930 to 1960, its technology, its genres, the studio system, and how it affected film content and style in this period. Furthermore, it investigates connections between classical films and key historical events: the Great Depression, World War II, and the Cold War. Feature film showings will be accompanied by introductory lectures and discussion.

Prerequisite(s): ENGL 1130, or ENGL 1129 and approval of instructor.

## Environmental Studies

(ENVS)

### ENVS 1105 (0 CREDITS) (0:2:0)

#### Environmental Studies Program Seminar

A non-credit, non-fee course consisting of a series of seminars, films, and speakers focusing on the environment. This course is intended to provide an introduction to environmental issues and the environmental studies program. Required for the Arts and Science (Environmental Studies) diploma.

### ENVS 2100 (3 CREDITS) (3:1:0)

#### Environmental Problems and Solutions

This course will introduce, by way of case studies, environmental topics of regional, national, and international importance through which the student will develop critical research, communication, and group skills. This is a multidisciplinary course designed to inform and challenge the student's perspective of their world while providing the opportunity to recognize problems and develop solutions. Participation in field trips is a required component of this course. Although this is a core course in the Environmental Studies Program, it is open to students in other disciplines.

Prerequisite(s): One of ENGL 1126, 1127 or 1128; and one of BIOL 1115, 1118, 1215, 1218, GEOG 1155, 1170, CHEM 1117 or 1217; or permission of the instructor or Environmental Studies Co-ordinator.

### ENVS 2390 (3 CREDITS) (0:4:0)

#### Environmental Issues

A course in which current issues of environmental significance are presented and discussed. A wide range of perspectives will be presented utilizing a variety of sources. Students will be required to develop oral and written communication skills, analyze complex environmental situations, and participate in group projects. Required for the Arts and Science (Environmental Studies) diploma.

Prerequisite(s): Any two of the following: BIOL 1115, BIOL 1215, BIOL 1118, BIOL 1218, CHEM 1117, CHEM 1217, or GEOG 1155; or permission of the Environmental Studies Co-ordinator.

### ENVS 2391 (3 CREDITS) (2:3:0)

#### Appropriate Technology for International Aid

This course is designed to evaluate and give credit for the knowledge accrued by student participation in international aid projects in the area of appropriate technology. As such, it is not anticipated that it will necessarily be a perfect fit into an academic term, and will be offered only by request.

Prerequisite(s): BIOL 1118 and 1218; or BIOL 1115 and 1215; and ENVS 2390 and 2470 or permission of the coordinator.

### ENVS 2410 (3 CREDITS) (4:0:0)

#### Environmental Law

An introduction to environmental law with special reference to British Columbia. Topics include how laws are formulated and revised, review of key current international, federal and provincial environmental legislation and how it operates in reality, compliance and enforcement, due diligence, and the legal responsibilities of individuals, companies and governments in environmental protection. Required for the Arts and Science (Environmental Studies) diploma.

Prerequisite(s): ENGL 1126, 1127, or 1128; or permission of the coordinator.

### ENVS 2470 (3 CREDITS) (2:0:3)

#### Field School

A practical field methods course, including lectures (Spring Semester) and a mandatory, off-campus, field component shortly after the final examinations period (end of semester). Team taught, the course will feature techniques used for terrain analysis, mapping, inventory of ecosystems, water quality testing, and report writing. Required for the Arts and Science (Environmental Studies) diploma.

Prerequisite(s): Any two of the following: BIOL 1115, BIOL 1215, CHEM 1117, CHEM 1217, CHEM 1120, GEOG 1155, either GEOG 1190 or GEOL 1110; or permission of the Environmental Studies Co-ordinator.

## Family Studies

(FMST)

### FMST 1105 (0 CREDITS) (2:0:0)

#### Lecture Series

This is a non-credit, no-fee course consisting of a series of lectures on family-related themes addressed from a wide range of disciplines and/or professional concerns. For students NOT conducting a supervised project on a topic related to marriage and/or family issues, this course is a requirement for the diploma in Arts and Science (Family Studies) and for the Associate of Arts Degree, Area of Concentration: Family Studies.

### FMST 1115 (3 CREDITS) (4:0:0)

#### Perspectives on Family Studies

This course introduces students to the definitions, concepts, experiences, dynamics and theories of family through an interdisciplinary approach. It examines the distinctive features of families as a social group, their internal relations, historical development and future directions. In addition, historical and contemporary social policy will be considered with respect to families.

## Field Studies - Canadian (FSCA)

### FSICA 1100 (0 CREDITS) (0:0:0)

#### Haida Gwaii Field School

This new field studies program delivers university-transfer credits in Aboriginal Studies 1115, Biology 1118, English 1127 and Geography 1190 in a unique format and context. Students will spend classroom time at Langara College learning about Haida Gwaii and the people who live there. This will be followed by a two-week field trip to Haida Gwaii. During the field trip, students will tour the Haida Gwaii islands along with the program instructors by land and by sea, and will explore ancient Haida village sites, visit with the local population, and investigate the distinctive natural and cultural riches of the area. Graded S/U.

Students must satisfy the general admission requirements of the College. In addition, a short essay outlining each student's interest in participating in the program will be required.

Prerequisite(s): Departmental permission.

### FSICA 1110 (0 CREDITS) (0:0:0)

#### Fraser River Field School

Field Studies on the Fraser River.  
Graded S/U.

## Field Studies - International (FSIE)

### FSIE 1110 (0 CREDITS) (0:0:0)

#### China Field School

The China Field School is a program conducted in China in association with Beijing Language and Culture University. Three courses are being offered including Mandarin at the beginners and intermediate level and an Asian Studies course on contemporary China. Graded S/U.

### FSIE 1111 (0 CREDITS) (0:0:0)

#### European Field School

The focus of the program is to help you develop a deep sense of history and the arts as well as insight into European and Western culture by travelling, studying, and living in some of the greatest cities in the world. Graded S/U.

### FSIE 1112 (0 CREDITS) (0:0:0)

#### Latin American Studies

A one-semester interdisciplinary, university-transfer field school that includes several weeks of travel and study in a Latin American country. Destination/country of study and specific course offerings vary with each field school. This field school normally includes at least three courses (9 credits) drawn from a range of disciplines. Graded S/U.

### FSIE 1113 (0 CREDITS) (0:0:0)

#### Study in Thailand

Study in Thailand is a program having an extensive field trip in Thailand. The specific courses within the program may vary, but all the courses within the program have university-transfer credit. Study in Thailand offers an introduction to the past, present, and future of Thailand, from its origins to its current resource issues. Graded S/U.

### FSIE 1114 (0 CREDITS) (0:0:0)

#### Religious Studies Field School

The Religious Studies Field School is a program conducted in various locations, both domestic and overseas. Regular university-transferable courses addressing topics in religion are taught in a combination of intensive on-campus study and a more extensive field study. Graded S/U.

### FSIE 1115 (0 CREDITS) (0:0:0)

#### Study in Greece

Study in Greece is conducted in various locations in Greece. Students enrol in HIST 1190 (Greece from Homer to Socialism) and/or other such courses as may from time to time be offered as part of this program. The program is about 4-1/2 weeks long. It consists of one week of classes in Vancouver followed by a short stay in London to visit the British Museum, and then 3 full weeks in Greece. The itinerary in Greece always includes time in Athens, Delphi, and Mycenae and environs, but the precise itinerary for the other sites to be visited varies from year to year. Not offered every year. Graded S/U.

Note: For more information contact Gwyneth Lewis 604-323-5481 or [glewis@langara.bc.ca](mailto:glewis@langara.bc.ca).

### FSIE 1116 (0 CREDITS) (0:0:0)

#### Study in London

This program will offer students the opportunity to study and live in one of the most exciting cities in the world! Classes will be held in art galleries, churches and museums so that students will have the opportunity to study primary material first hand. Students will attend live performances of theatrical productions and visit numerous sites and monuments of historical and literary significance. Graded S/U.

### FSIE 1118 (0 CREDITS) (0:0:0)

#### Tuscany Field School

This program provides an overseas opportunity for students to visit art projects in Florence and various small Tuscan towns. Students will evaluate, first-hand, masterpieces that reflect the excellent cultural values so much a part of Western tradition. Graded S/U.

### FSIE 1119 (0 CREDITS) (0:0:0)

#### Study in Italy

This course will offer students the opportunity to study and live in one of the most exciting countries in the world! Classes will be held in art galleries, churches and museums so that students will have the opportunity to study primary material first hand. Students will visit numerous sites and monuments of historical and artistic significance. Graded S/U.

### **FSIE 1120 (0 CREDITS) (0:0:0)**

#### **Theatre History Field Studies**

This is a Field Studies course that introduces students to the history of Western drama and theatre by travelling to London or New York. Educational activities, including live performances, walking and backstage tours, museum visits, public forums, and staged readings, will provide students with a vibrant learning experience. Students will complete a combination of written and oral assignments. They will receive credit for English 1181 or 1191.

Prerequisite(s): One of LET 4 (or LET 3 with strong recommendation of concurrent registration in ENGL 1121) or LPI equivalent; a minimum 80% in one of BC English 12 or BC English Literature 12; or an 'S' in one of ENGL 1107, 1108, or 1110.

### **NEW FSIE 2000 (0 CREDITS) (0:0:0)**

#### **Disney Field School**

This six-month Disney Field School will give students the opportunity to gain academically-oriented work experience at Walt Disney World Resort in Orlando while also completing three university-transfer, business-related courses through University of California, Riverside that will count toward the general business electives in the Bachelor of Business Administration degree program. This field school will provide students with another option (BUSM 3001) to complete the three-credit work experience requirement for the Bachelor of Business Administration.

Prerequisite(s): Students must be in at least second-year of the BBA, or second-year Arts and Sciences with departmental approval.

Corequisite(s): BUSM 3001

## **Film Arts**

### **(FLMA)**

The following film arts courses, except FLMA 1100 and FLMA 1200, are restricted to students enrolled in the Film Arts Program.

### **FLMA 1100 (3 CREDITS) (3:1:0)**

#### **Introduction to Film Production**

This introductory course covers every aspect of a film production on the technical/crew side and offers a critical approach to the art of screen writing, film acting, and film directing. Students who have an interest in pursuing a career in film complete this course with a clear understanding of the wide variety of skills it takes to fill dozens of positions required technically, administratively, and creatively in the film industry.

Note: This course is open to all Langara College students.

### **FLMA 1110 (3 CREDITS) (2:2:0)**

#### **Techniques of Film Acting**

Using scripts from a variety of film and television styles, students will be introduced to working with the camera. Students will study script analysis and choice-making. Basic techniques such as "hitting their mark", finding and working in key light, camera awareness, and movement on camera will be covered.

### **FLMA 1120 (3 CREDITS) (2:2:0)**

#### **Voice I**

Preparatory and advanced work on dialects, including study of the International Phonetic Alphabet: Speech work with particular reference to working on microphone; Additional Dialogue Recording (ADR); voice-over techniques; and WALLA (background sounds).

### **FLMA 1130 (3 CREDITS) (2:2:0)**

#### **Feature Film Lab**

Through a combination of lectures and workshops, students will complete a treatment for a feature film and a minimum first draft of the first act. Emphasis will be on structure, plot and character development. Students may complete a screenplay that they began in an introductory course or begin with an original concept. Minimum output 60 pages.

### **FLMA 1140 (3 CREDITS) (2:2:0)**

#### **The Short Film**

Students will study the characteristics of a good short film, script treatments, screenplay format, scene construction, structure, character development, plot and dialogue. They will develop outlines for three short films and complete two drafts and a polish for at least one of them. Minimum output 40 pages.

### **FLMA 1150 (3 CREDITS) (2:0:3)**

#### **Editing Techniques, Styles and Digital Camera**

Through lectures and labs, students will learn Final Cut Pro post-production picture-editing theory and techniques, including logging, off-line assembly, structure, and locking picture. Students will learn the operation of digital cameras, including options and aspect ratios for full-application production techniques and the exploration of lighting set-ups.

### **FLMA 1160 (3 CREDITS) (2:2:0)**

#### **Visualization**

Fundamentals of film directing with an emphasis on effective storytelling. Studies in script analysis, mise-en-scene, cinematic motion, form and style, and coverage.

### **FLMA 1170 (3 CREDITS) (4:0:0)**

#### **Principles of Production**

From development through pre-production, production, and distribution, this course will cover every aspect of filmmaking from the Producer's perspective. As an adjunct to this course, students will complete The Performers' Orientation Course (ACTORS), and the British Columbia Film Industry Orientation Course (WRITERS AND DIRECTORS), WHMS (Workers Compensation Board -- Set Safety). This seminar is hosted by British Columbia Institute of Film Professionals, one weekend of Sat. and Sun. 9 a.m to 5 p.m. for a total of 14 hrs. Time TBA

### **FLMA 1180 (3 CREDITS) (1:4:0)**

#### **Collaboration: The Actor**

This course will concentrate on narrative/dramatic elements of cinematic storytelling for the actor. Actors will practice their rehearsing and acting skills in collaboration with the writers and directors, adjusting their performances to the needs of the scripts and the directors' visions. In a collaborative atmosphere, actors will have input into the creative process through feedback to the writers and directors. All three streams of students will work



together to produce short films and film scenarios. FLMA 1180, 1181, and 1182 are taught concurrently, and students work collaboratively to complete the required course assignments.

### **FLMA 1181 (3 CREDITS) (1:4:0)**

#### **Collaboration: the Writer**

This course will concentrate on narrative/dramatic elements of cinematic storytelling for the writer. Writers will practice their pitching, writing, and rewriting skills in collaboration with the actors and directors. Writers will create original concepts and be teamed up with the directors and actors to produce their short films and film scenarios. FLMA 1180, 1181, and 1182 are taught concurrently, and students work collaboratively to complete the required course assignments.

### **FLMA 1182 (3 CREDITS) (1:4:0)**

#### **Collaboration: The Director**

This course will concentrate on narrative/dramatic elements of cinematic storytelling for the director. Directors will practice pitching projects and receiving pitches from writers. Directors will work closely with actors in the rehearsal process to practice effective communication of objectives and obstacles. Directors will work closely with writers to define acts and character arcs. FLMA 1180, 1181, and 1182 are taught concurrently, and students work collaboratively to complete the required course assignments.

### **FLMA 1200 (3 CREDITS) (3:1:0)**

#### **Art of the Short Film**

This introductory course offers a critical approach to the art of the short film through the screening and analysis of great short films. In critiquing various award-winning films, students will understand what makes for a great short film, both from the perspective of its art and its craft, and also the peculiarities of the form. Selected films will show how diverse the various genres are that use the short film form and also the breadth of artistic vision and style achieved in the form. For students interested in pursuing a career in film, they will be exposed to the possibilities offered by the form: festival films, calling card films, short films from around the world, and films that have launched the careers of famous directors.

Note: This course is open to all students.

### **FLMA 1210 (3 CREDITS) (2:0:2)**

#### **Advanced Techniques and the Signature Tape**

On-camera blocking, rehearsals and final taping will be practiced, including heightened and more sophisticated camera awareness. Physical and emotional continuity will be added, including work on the arc of a character within scenes, from scene to scene, and working out of sequence. A demo signature (or 'hit') tape of each student will be prepared as the final component of this course.

Prerequisite(s): FLMA 1110

### **FLMA 1220 (2 CREDITS) (1:0:2)**

#### **Voice II**

Techniques for narration, commercial slots and animation.

Prerequisite(s): FLMA 1120 with minimum 'C-' grade.

### **FLMA 1222 (1 CREDIT) (0:0:3)**

#### **Audition Lab**

The on-camera interview and audition process, learning how to prepare and audition quickly and effectively, how to handle cold readings and call backs. Through filmed mock auditions and directorial adjustment, students will acquire a specific and effective approach to auditioning for film and television.

Prerequisite(s): FLMA 1110

### **FLMA 1230 (3 CREDITS) (2:0:2)**

#### **Series Television Lab: Pilots and Bibles; Story Editing**

This course will start with the pitch: and learning about what makes a good idea for a series. Students will develop a one-hour pilot script along with character biographies, character arcs and brief outlines for a further twelve episodes to complete their series bible. Students may choose to complete a spec script for an existing series. Minimum output 60 pages.

### **FLMA 1240 (3 CREDITS) (2:2:0)**

#### **Adaptations, Animation & Children's Television**

Using examples of literary works, plays and their adaptations as films, students will learn the principal differences between the forms, learn to abstract the visual from the literary and adapt a short story or play for filming. The course will include a study on writing for children's television and/or animation, and students may choose to write a spec script for an existing children's/animation series. Minimum output 40 pages.

### **FLMA 1250 (3 CREDITS) (2:0:2)**

#### **Case Studies**

From script to screen: lectures and seminars on produced films with emphasis on scene construction. Beginning with the films original screenplays, students will apply their knowledge to visualize the films by way of design materials, storyboards and short lists prior to viewing films. They will follow up with an analysis of what the director of the actual film did and why.

### **FLMA 1260 (3 CREDITS) (2:2:0)**

#### **Advanced Directing Seminar**

Directing techniques and aesthetics. Production design. Blocking and rehearsing, with an emphasis on working with actors. Further studies in picture and sound editing on Final Cut Pro.

Prerequisite(s): FLMA 1160 with a minimum 'C-' grade.

### **FLMA 1270 (3 CREDITS) (4:0:0)**

#### **Career Development for the Film Craftsperson**

Focusing on the film industry in North America, students will develop a career action plan, including how to get an agent, which associations to join, festival planning, writers' groups, grant writing for film and television, and film-related internships. This course will also cover preparation of a resume, interview skills, personal marketing skills, financial management, and tax information for the entrepreneur.

### **FLMA 1280 (6 CREDITS) (2:8:0)**

#### **Production Practicum for the Actor**

Building on the skills learned and developed in FLMA 1170 and FLMA 1180, this intensive class will involve all three streams of students producing, writing, directing, acting and editing short presentation quality narrative dramatic videos. FLMA 1280, 1281, and 1282 are taught concurrently and students work collaboratively to complete the required course assignments.

Prerequisite(s): FLMA 1170 and 1180

### **FLMA 1281 (6 CREDITS) (2:8:0)**

#### **Production Practicum for the Writer**

Building on the skills learned and developed in FLMA 1170 and FLMA 1181, this intensive class will involve all three streams of students producing, writing, directing, acting and editing short presentation-quality narrative dramatic videos. FLMA 1280, 1281, and 1282, are taught concurrently and students work collaboratively to complete the required course assignments.

Prerequisite(s): FLMA 1170 and 1181

### **FLMA 1282 (6 CREDITS) (2:8:0)**

#### **Production Practicum for the Director**

Building on the skills learned and developed in FLMA 1170 and FLMA 1182, this intensive class will involve all three streams of students producing, writing, directing, acting and editing short presentation quality narrative dramatic videos. FLMA 1280, 1281, and 1282 are taught concurrently and students work collaboratively to complete the required course assignments.

Prerequisite(s): FLMA 1170 and 1182

## **Financial Management (FMGT)**

### **FMGT 1115 (3 CREDITS) (4:0:0)**

#### **Financial Accounting I**

This course is an examination of the basic techniques, principles and concepts involved in the construction and interpretation of financial reports prepared for external users. The introductory material is concluded in FMGT 1215. Together, FMGT 1115 and FMGT 1215 provide transfer credit to universities and professional accounting programs.

### **FMGT 1116 (3 CREDITS) (4:0:0)**

#### **Accounting for Managers**

This course provides an overview of basic financial and management accounting principles and techniques, including the managerial use of financial statements and other financial information for decision-making purposes. Students will initially be introduced to the principles and techniques used in financial accounting. The second part of the course will explore common managerial accounting techniques such as budgeting, cost-volume-profit analysis, and decision-making.

### **FMGT 1215 (3 CREDITS) (4:0:0)**

#### **Financial Accounting II**

This course concludes the introduction to financial accounting which began in FMGT 1115. The course examines the right side of the accounting equation, liabilities, and shareholders equity, as well as introducing some other specific accounting issues. Topics include current liabilities, long-term liabilities, shareholders equity, investment, partnerships, statement of cash flows, and financial statement analysis. Together, FMGT 1115 and FMGT 1215 provide transfer credit to universities and professional accounting programs.

Prerequisite(s): FMGT 1115 or FMGT 2293.

### **FMGT 1321 (3 CREDITS) (4:0:0)**

#### **Intermediate Accounting I**

This course introduces students to the more complex issues of financial accounting. The course builds on the concepts introduced in FMGT 1115 and FMGT 1215 or FMGT 2293. Topics include the conceptual framework, financial statement presentation, revenue and expense recognition, current monetary balances, inventories, capital assets, and investments.

Prerequisite(s): FMGT 1215 or 2293.

### **FMGT 2293 (3 CREDITS) (4:0:0)**

#### **Financial Accounting Overview**

This course provides an overview of financial accounting and the construction and interpretation of financial reports prepared for external users. Major consideration is given to accounting techniques for corporate financial statements. Emphasis is placed on accounting principles and policies and the underlying rationale for these principles.

Prerequisite(s): One of the following: LET with a minimum Level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-' grade; or an 'S' in one of ENGL 1107, 1108, or 1110.

### **FMGT 2294 (3 CREDITS) (4:0:0)**

#### **Managerial Accounting Overview**

This course is an introduction to the basic principles and techniques of managerial accounting where the major intent is to provide information to internal decision-makers to maximize an organization's operating efficiency and profitability. The course includes an introduction to alternative costing and reporting systems for service and manufacturing organizations, budgeting, variance analyses, performance evaluation, total quality management, and transfer pricing, plus analytical techniques including cost-volume-profit analysis and relevant costing and benefits.

Prerequisite(s): A minimum 'C' grade in one of FMGT 1115, 1116, 1215, or 2293; and one of the following: LET with a minimum Level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit; or an 'S' in one of ENGL 1107, 1108, or 1110.

### **FMGT 2308 (3 CREDITS) (0:0:4)**

#### **Accounting Computer Applications**

This hands-on computer course trains Accounting and Financial Management students to use computer applications commonly found in business. It is intended to give students a working knowledge of the account cycle using spreadsheet templates, off-the-shelf accounting packages, and an introduction to auditing software. Accounting modules include general ledger, accounts receivable, accounts payable, payroll, and inventory.

Prerequisite(s): BCAP 1200; and one of FMGT 1115, 1116, 1215, or 2293.

### **FMGT 2325 (3 CREDITS) (3:1:0)**

#### **Introductory Taxation**

A course on Federal Income Tax with emphasis on individual taxpayers. The course will provide a practical guide for individuals to prepare their own income tax return. A computer software package will be briefly introduced.

Prerequisite(s): One of FMGT 1115, 1116, 1215, or 2293.

### **FMGT 2350 (3 CREDITS) (3:0:1)**

#### **Entrepreneurial Financial Management**

This is a practical course designed to provide the small business person with the basics of finance, budgeting, financial analysis, costing and pricing, sales and revenue forecasting, and other financial skills essential for small business planning and development.

Prerequisite(s): One of FMGT 1115, 1116, or 2293.

Note: Students will receive credit for only one of BUSM 2316 and FMGT 2350.

### **FMGT 2371 (3 CREDITS) (4:0:0)**

#### **Financial Management I**

This course develops learning streams relating to valuation and investment measurement techniques for corporate and individual investors; working capital management approaches for corporations; and long term planning and performance analysis of firms. This course lays the groundwork for mathematical and strategic analysis of investment decisions for the modern corporation and investor.

Prerequisite(s): One of FMGT 1116, 1215, 2293; and one of MATH 1118, 1119, 1210 or permission of the instructor.

### **FMGT 2421 (3 CREDITS) (4:0:0)**

#### **Intermediate Financial Accounting**

This course provides a comprehensive study of more complex techniques, principles, and concepts involved in the construction and interpretation of financial reports prepared for external users. The course focuses on the liabilities and equity side of the balance sheet, and examines more sophisticated accounting topics such as corporate taxes, leases pensions, and earning per share.

Prerequisite(s): FMGT 1215 or FMGT 2293.

### **FMGT 2423 (3 CREDITS) (4:0:0)**

#### **Management Accounting II**

This course is the continuation of the study of management accounting topics. Topics include decision-making and relevant information, pricing and product decisions, cost allocation, variance analysis, process costing, quality control, management control systems, organization structure, and performance evaluation. In addition, the course will study various current topics in management accounting including just-in-time systems and activity-based costing.

Prerequisite(s): FMGT 2294.

### **FMGT 2474 (3 CREDITS) (4:0:0)**

#### **Financial Management II**

This course builds upon essential financial concepts introduced and developed in FMGT 2371. In this course, the focus lies with investment and rate of return analysis of major business investments, capital budgeting analysis, cost of capital, and capital structure. This course looks at more fundamental, longer-term decision-making and its relationship to capital markets. International business planning also receives consideration.

Prerequisite(s): FMGT 2371.

### **FMGT 2475 (3 CREDITS) (4:0:0)**

#### **Securities Analysis**

This course examines the central elements of the securities industry: financial products, markets and intermediaries. Topics include the analysis of financial statements and financial securities. This course also examines different types of investment products, how they are sold, and what role they play in a well-planned portfolio. The course also provides an introduction to personal financial planning and will prepare the student to write the Canadian Securities Course Examination.

Prerequisite(s): One of FMGT 1215, 2293, or

1285; and ECON 1221 or with permission of the instructor. ECON 1221 may be taken concurrently.

### **FMGT 3121 (3 CREDITS) (4:0:0)**

#### **Advanced Financial Accounting**

This course introduces the conceptual basis of business combinations and the accounting issues involved. It covers the in-depth technical application of advanced financial reporting issues, including consolidation accounting and reporting; variable interest entities; joint venture accounting; financial instruments; foreign currency transactions and hedge accounting; translation and consolidation of financial statements stated in foreign currencies; segmented reporting; and not-for-profit entities.

Prerequisite(s): Completion of 54 credits including FMGT 1321 and FMGT 2421 and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **FMGT 3223 (3 CREDITS) (4:0:0)**

#### **Advanced Management Accounting**

This course examines advanced topic areas in strategic management accounting. A key component is the design of accounting systems for facilitating and influencing management decisions, with emphasis on performance evaluation in organizations. Topics include strategic planning and analysis, constraints, goal congruence, management control systems, transfer pricing, and performance measurement.

Prerequisite(s): Completion of 54 credits including FMGT 2294 or FMGT 2423 and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **FMGT 3263 (3 CREDITS) (4:0:0)**

#### **Internal Control and Auditing**

This course introduces the concepts and procedures of external auditing with the focus on the external or attest audit. This course addresses the purpose, scope and concepts of external auditing. Topics covered include audit objectives, audit planning, internal control, audit sampling, computer auditing and audit procedures.

Prerequisite(s): Completion of 54 credits including FMGT 1321 and FMGT 2421 and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **FMGT 4221 (3 CREDITS) (4:0:0)**

#### **Accounting Theory**

This course describes and explores various theories that underlie financial accounting and reporting. The relevance of those theories is explained and illustrated with the goal of understanding the practice of financial accounting and reporting.

Prerequisite(s): Completion of 54 credits including FMGT 1321 and FMGT 2421 and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **FMGT 4225 (3 CREDITS) (4:0:0)**

#### **Advanced Taxation**

This course builds on the basic framework taught in FMGT 2325 focusing on net income, taxable income and tax liability for individuals, corporations, trusts and partnerships. It also focuses on tax planning techniques for both individuals and corporations. Students will review selected specialized topics in taxation such as rollovers and corporate reorganizations to identify situations that could result in tax savings.

Prerequisite(s): Completion of 54 credits including FMGT 1321 and FMGT 2325 and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department. Competency in Micro-computer applications is highly recommended.

## **Fine Arts**

### **(FINA)**

#### **Note**

The following studio courses are restricted to students in the Fine Arts Program unless otherwise noted in the *Registration Guide and Course Schedule*.

### **NEW FINA 1111 (3 CREDITS) (1:0:3)**

#### **Foundation Ceramics**

This course requires no previous experience working with clay. It is a broad introduction to both handbuilding and wheel throwing processes including glazing and firing kilns. Students will complete a series of projects that explore traditional and contemporary techniques as they relate to utilitarian pots, vessels, and sculpture. Upon completion of this course, students will have a basic understanding of the potential of the ceramic process and acquire practical, historical, and critical ways of thinking about ceramics as it relates to contemporary life and current art practices.

### **FINA 1120 (3 CREDITS) (1:0:3)**

#### **Introduction to Drawing I**

This course is an introduction to basic observation and drawing techniques with an emphasis on the uses of line. Students will develop confidence with a variety of drawing materials through the exploration of still-life situations, figure drawing with models, and perception of the world around them. Studio sessions will include critiques of student assignments and audiovisual presentations about artists and drawing.

Prerequisite(s): One of the following: LET with a minimum Level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110.

### **NEW FINA 1131 (3 CREDITS) (1:0:3)**

#### **Foundation Painting**

Foundation Painting provides a studio-based experience of painting that engages an exploration of various techniques, palettes, design elements and provides a study of aesthetic and conceptual problems. Traditional and contemporary approaches are introduced with an emphasis on direct observation and problem-solving that enables the students to express ideas

and emotions by utilizing the principles of design, colour, form, value, and other compositional relationships.

### **FINA 1140 (3 CREDITS) (1:0:3)**

#### **Introduction to Design I**

This course acquaints students with the basic principles of design, stressing an awareness of colour, line, shape, form, pattern, texture, and space for 2-D. Instruction and workshops involving various materials and techniques provide students with opportunities to recognize and use each of the design elements.

Prerequisite(s): One of the following: LET with a minimum Level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-' grade; or an 'S' in one of ENGL 1107, 1108, or 1110.

### **NEW FINA 1161 (3 CREDITS) (1:0:3)**

#### **Foundation Sculpture**

This course will introduce students to the materials, formal elements, organizational design principles, language, concepts, and processes of sculpture. Technical demonstrations in the areas of modeling, casting, and constructing with a wide variety of materials will encourage students to articulate their ideas in 3-D. The use of audiovisual materials and lectures will introduce students to historical and contemporary sculptural practice.

### **NEW FINA 1171 (3 CREDITS) (1:0:3)**

#### **Foundation Printmaking**

This course will introduce students to the basic materials and techniques used in creating limited edition prints of various types. By means of demonstrations throughout the term, the instructor will explore three basic printmaking disciplines: relief, intaglio, and serigraphy; students will complete editions of prints using the demonstrated methods. Through the use of audiovisual materials, students will also be introduced to the history and traditions of printmaking.

### **FINA 1220 (3 CREDITS) (1:0:3)**

#### **Introduction to Drawing II**

Students will continue to develop drawing skills and processes, with an emphasis on the uses of tonal values. The range of drawing materials will be expanded, using more complex situations involving still-life, models, and the urban/natural environment. Studio work and assignments will be complemented with critiques, lectures, and audiovisual information.

Prerequisite(s): A minimum 'C' grade in FINA 1120.

### **FINA 1240 (3 CREDITS) (1:0:3)**

#### **Introduction to Design II**

This course acquaints students with the basic principles of design, stressing an awareness of line, shape, mass, space, pattern, and texture for 3-D. Instruction and workshops involving various drafting techniques and simple materials provide students with opportunities to recognize and use each of the design elements.

Prerequisite(s): A minimum 'C' grade in FINA 1140.

### **FINA 2110 (3 CREDITS) (1:1:2)**

#### **Advanced Ceramics I**

This course deals with complex handbuilding and throwing techniques as well as independent kiln firing, all of which build on existing skills from Foundation Ceramics. Students will begin to develop individual approaches to form and content. Assignments are designed to encourage students to explore multiple parts, simple moulds, lidded forms, attachments, and more elaborate glazing methods. In addition to studio practice, there will be audiovisual presentations, technical demonstrations, and critique of student work.

Prerequisite(s): FINA 1210 with a minimum 'C' grade.  
Effective Fall Semester 2011, prerequisites for this course are changed to the following: Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240.

### **FINA 2111 (3 CREDITS) (1:0:3)**

#### **Advanced 3-D Media: Ceramic Surface and Decoration**

This course explores the interface between ceramics, printmaking, drawing, and painting. It investigates the long tradition these other disciplines have had with the ceramic process. Using ceramic paints, enamels, and glazes to print and

transfer images, a wide range of surface treatments and a variety of materials at diverse temperatures will be explored. A number of other traditional decoration techniques such as maiolica, scraffito, and slip trailing will also be introduced. Projects are assigned toward experimentation and self-directed studio work that encourages crossover with other studio practices.

Prerequisite(s): Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240; or permission of the department.

### **FINA 2120 (3 CREDITS) (1:1:2)**

#### **Advanced Drawing I**

This course will involve an exploration of a wide range of traditional and non-traditional drawing materials. Students will work from challenging studio set-ups, regularly involving the model. There is an emphasis on the student understanding traditional drawing practices while addressing the role of drawing in the 21st century and incorporating this history as they develop their own individual forms of expression.

Prerequisite(s): FINA 1220 with a minimum 'C' grade.  
Effective Fall Semester 2011, prerequisites for this course are changed to the following: Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240.

### **FINA 2130 (3 CREDITS) (1:1:2)**

#### **Advanced Painting I**

Advanced Painting I is an extension of FINA 1230 with a greater emphasis on expanding the student's painting skills, painting knowledge, colour exploration, and critical thinking, and the study of various art theories in relationship to painting. Students will be encouraged to explore personal expression and expand a pictorial language within the parameters of colour, line, shape, form, and composition. Contemporary issues are discussed in terms of their relevance in painting today. Students are encouraged to use visual language to demonstrate their individual ideas.

Prerequisite(s): FINA 1230 with a minimum 'C' grade.  
Effective Fall Semester 2011, prerequisites for this course are changed to the following: Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240.

### **FINA 2140 (3 CREDITS) (1:1:2)**

#### **Advanced Design I**

This advanced design course emphasizes the re-synthesis of design elements using the design principles in 2-D design studies. Students will learn to use the design process in their project development and will explore and develop design themes taken from their personal observations, their imagination, and their explorations using a variety of media. Further, students will apply their theoretical design understandings to the creation of a 2-D applied design project.

Prerequisite(s): FINA 1240 with a minimum 'C' grade. Students wanting to take FINA 2140 and 2141 in the same semester require departmental approval.  
Effective Fall Semester 2011, prerequisites for this course are changed to the following: Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240.

### **FINA 2141 (3 CREDITS) (1:1:2)**

#### **Digital Design I**

This studio-based course introduces students to various digital visual arts fundamentals. Working in a Mac environment, students will create a variety of new media projects including installation, video, performance, digital storytelling and hybrid works. Through reading, writing, presentations, group and individual critiques, students will develop a critical vocabulary and analytical skills.

Prerequisite(s): A minimum 'C' grade in both FINA 1240 and 1220. Students wanting to take FINA 2140 and 2141 in the same semester require department approval.  
Effective Fall Semester 2011, prerequisites for this course are changed to the following: Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240.

### **FINA 2150 (3 CREDITS) (3:1:0)**

#### **Introduction to Aesthetics and Cultural Theory**

Beginning with the ancient Greeks and moving through cultural history to the 20th century, this course explores a range of issues touching on questions about the nature of art. It examines the efforts of philosophers and theorists to define and understand the functioning of art in particular historical and social contexts.

### **FINA 2160 (3 CREDITS) (1:1:2)**

#### **Advanced Sculpture I**

This course is an advanced applied study of the principles of sculptural theory and practice. Focus is on enhanced 3-D form studies, material and technical understanding, manual skills, and critical thinking. Personal expression is encouraged through instructor-supervised studio practice. Various techniques such as casting and welding are explored throughout the semester.

Prerequisite(s): FINA 1260 with a minimum 'C' grade.

Effective Fall Semester 2011, prerequisites for this course are changed to the following: Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240.

### **FINA 2161 (3 CREDITS) (2:1:1)**

#### **Public Art Studio Practice**

This course investigates the special considerations that are required in order to design, fabricate, and install artwork in public spaces. Topics include architectural and engineering drawings, project budgets, maquette making, and appropriateness of materials. Each student will create a project that will be temporarily installed at an interior or exterior site within the Langara campus.

Prerequisite(s): Completion of FINA 1260 or equivalent; or appropriate experience with Departmental approval.

### **FINA 2171 (3 CREDITS) (1:0:3)**

#### **An Introduction to Intaglio/Relief**

Students will be introduced to basic intaglio printmaking methods: the dry point, hard ground etching and soft ground etching. They will also be introduced to a modern intaglio/relief hybrid printmaking method, the collagraph, and will make prints using all four methods. The instructor will also demonstrate methods for producing tonal prints such as the aquatint and mezzotint, which students may incorporate into their work if they wish. Studio activities will be supplemented by slide presentations regarding the history and traditions of printmaking, particularly intaglio and relief.

Prerequisite(s): Consent of the department  
Effective Fall Semester 2011, prerequisites for this course are changed to the following: Minimum 'C' grade in all of the following: FINA 1111, 1131, 1161, 1171, 1220, and 1240.

### **FINA 2210 (3 CREDITS) (1:1:2)**

#### **Advanced Ceramics II**

This course emphasizes creative expression with clay to enhance your artistic growth and development. Further development of wheel work and hand building skills.

Prerequisite(s): FINA 2110 with a minimum 'C' grade.

### **FINA 2220 (3 CREDITS) (1:1:2)**

#### **Advanced Drawing II**

This course will further develop the student's ability to make decisions about perceived visual problems and to translate them using the most effective drawing language. Students will work from complicated visual situations, often incorporating the model. Independent research is encouraged, and the relationship of drawing to other human activities is explored. This course is supported with audiovisual presentations.

Prerequisite(s): FINA 2120 with a minimum 'C' grade.

### **FINA 2230 (3 CREDITS) (1:1:2)**

#### **Advanced Painting II**

The objective of Advanced Painting II is for each student to build a body of work from self-directed research and independent study under the guidance of the instructor. Individual and group critiques are an integral part of this course.

Prerequisite(s): FINA 2130 with a minimum 'C' grade.

### **FINA 2240 (3 CREDITS) (1:1:2)**

#### **Advanced Design II**

The major emphasis of FINA 2240 will be the study and investigation of line, plane, and form as definers of space. A variety of 3-D studies will be undertaken with the emphasis on spatial composition. Students will learn to use the design process in the development of their 3-D projects, and they will apply their theoretical design understandings to the creation of a 3-D applied design project.

Prerequisite(s): FINA 2140 with a minimum 'C' grade. Students wanting to take FINA 2240 and 2241 in the same semester require department approval.

### **FINA 2241 (3 CREDITS) (1:1:2)**

#### **Digital Design II**

A continuation of FINA 2141, this advanced MacLab-based studio course will focus on the student researching and creating

independent time-based, interactive and/or digital still image projects. In consultation with the instructor, single self-directed project, or series of projects, will be realized. This process will include weekly meetings with the instructor, creating regular support and feedback opportunities. Students will also receive instruction in professional practices including writing of CVs, artist statements, proposals, and preparation of exhibition proposals.

Prerequisite(s): FINA 2141 with a minimum 'C' grade. Students wanting to take FINA 2240 and 2241 in the same semester require department approval.

### **FINA 2250 (3 CREDITS) (3:1:0)**

#### **Contemporary Cultural Theory and the Arts**

This course explores the various perspectives of critical and cultural theory that have developed over the past fifty years, particularly in terms of their effects on, and influences from, visual arts and other media.

### **FINA 2260 (3 CREDITS) (1:1:2)**

#### **Advanced Sculpture II**

This course builds on the knowledge gained in FINA 2160. The student is expected to work independently. Personal expression is encouraged through supervised studio practice. Lectures, class discussion, and critiques support enhanced critical awareness. Increased technical skill is encouraged through technical demonstrations and experimentation. A student-initiated project completes the semester.

Prerequisite(s): FINA 2160 with a minimum 'C' grade.

### **FINA 2271 (3 CREDITS) (1:0:3)**

#### **Advanced Intaglio/Relief**

This course will allow students to continue developing techniques learned in FINA 2171 and will also introduce them to more advanced techniques used in coloured intaglio/relief printing including multi-plate coloured printing. A significant amount of course time will be spent on individual student research of printmaking techniques and artists.

Prerequisite(s): FINA 2171 with a minimum 'C' grade.

## Food Services

### (FSRV)

Most Foodservices courses are available to Arts and Science students. Courses restricted to Nutrition and Food Service Management Program students are identified in the course descriptions. A minimum 'C-' grade is required in most prerequisite courses; several courses require a minimum 'C' grade.

### FSRV 1113 (3 CREDITS) (4:0:0)

#### Food Service Systems

In this online introductory course, students study the organization of the institutional food service and the standards required for operation. Areas of study include organizational structure, sanitation and food safety, WHMIS, HACCP, staff training, work simplification, purchasing, receiving and inventory control. Some fieldwork involved.

Note: Students with work experience in food service in a health care setting, and the knowledge and understanding of the topics in FSRV 1113, may be eligible for the Flexible Assessment option. Contact the Department Chair.

### FSRV 1213 (3 CREDITS) (4:0:0)

#### Production and Service Systems

In this online course, students will study the various systems in place for the efficient operation of an institutional food service. Areas of study include meal production, styles of meal service, catering, special events planning, warewashing. Course involves some fieldwork.

Note: Students who have achieved a minimum 'C-' grade in FSRV 1113 and have work experience in food service in a health care setting may be eligible for the Flexible Assessment Option. Contact the Department Chair for information.

### FSRV 1219 (2 CREDITS) (0:1:4)

#### Orientation to Food Service Operations

This practicum provides the opportunity for the student to become familiar with the policies and procedures of a food service operation. Each student is involved for a minimum of 250 hours in the operation. Graded S/U.

Note: Restricted to program students. Program students with 250 or more hours experience working in a food service operation within the past three years may be eligible for the flexible assessment option. Contact the Department Chair for further information.

### FSRV 2329 (2 CREDITS) (0:1:3)

#### Food Service Supervision Practicum

This practicum provides the opportunity for the student to assume the responsibilities of a supervisor and to apply the policies and procedures to food service operations in the field, while under the supervision of a practicing Food Service Supervisor. The student will also have the opportunity to plan a catering or similar special event. Each student will complete a minimum of 15 days, full time, in a food service facility supervising staff, production and service of meals to clients. The student must have successfully completed FoodSafe II, or recognized equivalent, prior to entering the placement site. Graded S/U.

Prerequisite(s): An 'S' grade in FSRV 1219; a minimum 'C' grade in FSRV 2423; CMNS 1115 or BUSM 1500; one of CMNS 1118, ENGL 1127, or ENGL 1140; and the successful completion of FoodSafe II (or equivalent).

Note: Restricted to program students.

### FSRV 2429 (2 CREDITS) (0:1:4)

#### Food Service Management

This practicum provides the opportunity for the student to assume the managerial functions of menu planning, purchasing, recipe development and stock control and apply appropriate policies and procedures to food service operations in the field. The student will further develop the interpersonal skills of teamwork and dealing with clients. Each student will assume the responsibility of planning a menu around a Nutrition Month theme in a facility. Graded S/U.

Prerequisite(s): FSRV 1219; one of CMNS 1115 or BUSM 1500; one of CMNS 1118, ENGL 1127, or ENGL 1140; and the minimum program requirement for work experience.

Note: Restricted to program students.

### FSRV 2529 (3 CREDITS) (0:1:9)

#### Food Service Supervision - Final Practicum

This practicum consists of two segments. In the final term, the student will spend a minimum of 2 weeks, full time (10 days) in a food service facility to apply both supervisory and clinical skills in a working environment, in a staff relief type position. Upon completion of this assignment, students will be required to submit a journal of their experience in the practicum to complete the requirements for graduation. Graded S/U.

Prerequisite(s): A minimum 'C' grade in NUTR 2422, FSRV 2423, and FSRV 4323; a minimum 'C-' grade in FSRV 4444; and satisfactory completion of all other program courses.

Students may be enrolled in FSRV 2329 concurrently with this practicum.

Note: Restricted to program students.

### FSRV 3114 (3 CREDITS) (4:0:0)

#### Food Production - Standards of Quality I

In this online course, students study the preparation of quality food products. Areas of study include examination of structural ingredients of food products, the principles and procedures involved in the production of recipes, and use of established standards of quality to evaluate food products.

Note: Students with Cooks Trades papers and the knowledge and understanding of topics in FSRV 3114 may be eligible for the Flexible Assessment option. Contact the Department Chair.

### FSRV 3214 (3 CREDITS) (4:0:0)

#### Food Production - Standards of Quality II and Recipe Development

In this online course, students will continue the study of the production of quality food products. The principles of menu planning and the development, standardization and nutritional analysis of recipes are included.

Note: Students with Cook Trades papers and a minimum grade of 'C' in FSRV 3114 may be eligible for the Flexible Assessment option. Contact the Department Chair for further information.

### FSRV 4323 (3 CREDITS) (4:0:0)

#### Financial Management of Foodservice Operations

In this online course, students examine the responsibilities involved in management of food service operations. Topics include cost control (food, beverages, labour), financial planning, and marketing.

Prerequisite(s): Students registered in the Nutrition Management Diploma Program must have a minimum grade of 'C-' in both FSRV 1113 and 1213. Completion of CMNS 1115 and 1118 (or equivalent) is recommended for arts and science students.

### **FSRV 4324 (3 CREDITS) (4:0:0)**

#### **Quality Food Production**

In this online course, students apply the principles of quality food preparation to the production of food in large quantities. The organization of the production kitchen, planning and scheduling of production, principles and procedures for quantity food production and HACCP are studied. If not already completed, students will be required to successfully complete the "Serving it Right" certificate as part of this course.

Prerequisite(s): Students registered in the Nutrition Management diploma program must have a minimum grade of 'C-' in both FSRV 3114 and 3214. Completion of CMNS 1115 and 1118 (or equivalent) is recommended for Arts and Science students.

Note: Students will receive credit for only one of FSRV 4324 and FSRV 2324.

### **FSRV 4444 (3 CREDITS) (3:2:0)**

#### **Management of Facilities and Support Services**

This online course focuses on the equipment used in food production and service, laundry and housekeeping service areas, and the design of these areas. The course includes a group project that provides teams of students with the opportunity to apply their knowledge of the design of a foodservice facility: develop specifications, review ergonomics and preventative maintenance practices for food and support service areas.

Prerequisite(s): CMNS 1115 or CMNS 1118 (or equivalent) is recommended for arts and science students.

Note: Students will receive credit for only one of FSRV 4444 or FSRV 4424.

Students in the Nutrition and Foodservice Management Program must achieve a minimum 'C-' grade in this course for graduation.

## **French**

### **(FREN)**

A student who has attended secondary school using French as a first language may not register in any French courses without permission of the Modern Languages Department. Students with a 'C' or higher grade in a French course cannot repeat the same course without departmental permission.

(NOT ALL FRENCH COURSES ARE OFFERED EVERY SEMESTER.)

### **FREN 1115 (3 CREDITS) (3:0:1)**

#### **Beginner's French I**

Fundamentals of speaking, reading, and writing French; classroom work supplemented by practice in the Language Laboratory. Introductory course for students with no previous knowledge of French.

Note: This course will also be offered by Guided Independent Study. See the *Registration Guide* and *Course Schedule* for details.

### **FREN 1117 (3 CREDITS) (3:0:1)**

#### **Intermediate French I**

First-year College French for those who have completed FREN 1215 or Grade 11 French in secondary school, or equivalent. Intermediate grammar, short literary selections and contemporary passages for reading and oral practice are studied. These lessons are supplemented by oral work in the Language Laboratory.

Prerequisite(s): French 11 with a minimum 'C' or FREN 1215 with a minimum 'C-'.

Note: This course will also be offered by Guided Independent Study. See the *Registration Guide* and *Course Schedule* for details.

### **FREN 1118 (3 CREDITS) (3:0:1)**

#### **French Language, Literature and Conversation I**

Designed for students who want a less specialized course than FREN 1119/1219. This course offers a cultural overview, a review of grammar, a study of literary texts, and limited practice in conversation. Classroom work is supplemented by work in the Language Laboratory and by computer materials.

Prerequisite(s): French 12 with a minimum 'C' grade or FREN 1217.

### **FREN 1119 (3 CREDITS) (4:0:0)**

#### **French Language and Literature I**

Courses consisting of literature, grammar, and written composition for students who have completed either French 12, FREN 1217 with at least a 'B' grade or FREN 1218. These courses are to be taken by all students' intending to proceed to second year French programs at university and by those wishing to further their knowledge of the French language.

Prerequisite(s): French 12, with 'B' or higher or FREN 1217 with 'B' or higher, or FREN 1218 with 'B' or higher. Students with a 'C' grade in French 12 or FREN 1217 should enrol in FREN 1118. FREN 1119/1219 students who need to reinforce their grammar can enrol concurrently in FREN 1118/1218.

### **FREN 1125 (3 CREDITS) (3:0:1)**

#### **Conversational French I**

A conversational approach to French culture with a view to improving speaking and listening skills. Limited to 20 students. Students of FREN 1125/1225 can register concurrently in FREN 1118/1218 or FREN 1119/1219.

Prerequisite(s): French 12 or FREN 1217

### **FREN 1205 (3 CREDITS) (3:0:1)**

#### **French Conversational Skills**

A conversational approach to French to enable students to communicate in everyday authentic situations. Students in FREN 1205 may register concurrently in FREN 1215, 1117 or 1217.

Prerequisite(s): A minimum 'C' grade in one of the following: BC French 9 or 10, FREN 1115, 1215, or 1117; or permission of the department. Students with BC French 9 or 10 must contact the department for a prerequisite override. Overqualified students will not be given credit for this course.

Note: Antirequisites: FREN 1118, 1218, 1119, 1219 or French 12.



### **FREN 1215 (3 CREDITS) (3:0:1)**

#### **Beginner's French II**

Fundamentals of speaking, reading, and writing French; classroom work supplemented by practice in the Language Laboratory. Introductory course for students with no previous knowledge of French.

Prerequisite(s): FREN 1115

Note: These courses will also be offered by Guided Independent Study. See the *Registration Guide* and *Course Schedule* for details.

### **FREN 1217 (3 CREDITS) (3:0:1)**

#### **Intermediate French II**

First-year College French for those who have completed FREN 1215 or Grade 11 French in secondary school, or equivalent with at least a 'C-'. Intermediate grammar, short literary selections and contemporary passages for reading and oral practice are studied. These lessons are supplemented by oral work in the Language Laboratory.

Prerequisite(s): FREN 1117. Students who obtained a 'C-' in FREN 1117 more than a year ago are encouraged to take FREN 1215 concurrently.

Note: This course will also be offered by Guided Independent Study. See the *Registration Guide* and *Course Schedule* for details.

### **FREN 1218 (3 CREDITS) (3:0:1)**

#### **French Language Literature and Conversation II**

Designed for students who want a less specialized course than FREN 1119/1219. This course offers a cultural overview, a review of grammar, a study of literary texts, and limited practice in conversation. Classroom work is supplemented by work in the Language Laboratory and by computer materials.

Prerequisite(s): FREN 1118 or permission of department.

### **FREN 1219 (3 CREDITS) (4:0:0)**

#### **French Language and Literature II**

Courses consisting of literature, grammar, and written composition for students who have completed either French 12, FREN 1217 with at least a 'B' grade or FREN 1218. These courses are to be taken by all students' intending to proceed to second year French programs at university and by those wishing to further their knowledge of the French language.

Prerequisite(s): FREN 1119 or permission of department.

### **FREN 1225 (3 CREDITS) (3:0:1)**

#### **Conversational French II**

A conversational approach to French culture with a view to improving speaking and listening skills. Limited to 20 students. Students of FREN 1125/1225 can register concurrently in FREN 1118/1218 or FREN 1119/1219.

Prerequisite(s): FREN 1125 or permission of department.

## **Geography (GEOG)**

Geography includes both arts and science courses. All geography courses carry university-transfer credit, and several geography courses can be taken as electives for other academic or career programs. GEOG 1180 and GEOG 1190 are laboratory science courses. Both GEOG 1180 and 1190 are recommended for students planning to complete a B.A. or B.Sc. in Geography.

### **GEOG 1100 (3 CREDITS) (3:1:0)**

#### **Introduction to Geography**

Introduction to Geography is designed to give students a basic understanding of how geographers approach the world, and of how geography can be applied to their lives. Students will be introduced to a study of the physical earth (physical geography) and to ways of studying the activities of people (human geography). Topics explored in the course include landforms and weather, the environment, populations, cities, cultures and economies. This course serves as an excellent starting point for students wishing to major in geography as well as for students wishing to expand their knowledge of the world.

### **GEOG 1105 (3 CREDITS) (2:1:2)**

#### **Field Techniques**

This course is offered from time to time usually in conjunction with another geography course. This course provides practical experience in data collection and interpretation, field observation, mapping, and land use analysis.

Note: Students in the regular Geography program should take GEOG 2210 - Introduction to Geographic Techniques.

### **GEOG 1120 (3 CREDITS) (3:1:0)**

#### **Regional Geography of Canada**

The Regional Geography of Canada explores the similarities and differences among the regions of our country. Students will gain an understanding of the landscape, the environment and the economy as we survey Canada from Long Beach to Labrador and from Baffin Island to Burlington. Students will examine a range of social issues that provide insight into the nature of Canada.

Note: GEOG 1120 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **GEOG 1130 (3 CREDITS) (3:1:0)**

#### **Urban Geography**

A survey of the evolution of the city from the Greco-Roman period to the present. The course topics include the internal structure of the city; industrial, commercial and residential land use; transportation and the planning of the urban environment. An application of the concepts to Vancouver and the surrounding area forms the basis of practical and interactive planning focus groups.

### **GEOG 1150 (3 CREDITS) (3:1:0)**

#### **British Columbia: Resources and Regional Development**

British Columbia is a richly endowed and diverse province. In this course the province's human and physical geography is explored. Topics covered include regions, climate, natural hazards, geomorphology, biogeography, history, resource development, Aboriginal issues, cultural diversity, and urbanization. Students will actively engage in discussions of contemporary issues, problems, and solutions. This course is of interest to students who would like to have a better understanding of British Columbia and its role within Canada and the world.

Note: GEOG 1150 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **GEOG 1155 (3 CREDITS) (3:1:0)**

#### **Environmental Geography**

Environmental geography explores the relationships between people and the world they inhabit. Students will be introduced to the key concepts and theories of environmental studies: physical and biological processes, population, biogeography, resource management, and environmental ethics. Case studies of human impacts on the environment (both local and global) such as resource depletion, species extinction and loss of biodiversity, pollution of air, land and water, waste management, and natural hazard concerns are an integral part of the course.

### **GEOG 1160 (3 CREDITS) (3:1:0)**

#### **The Pacific Rim**

The Pacific Rim is a term used to refer to those countries or administrative units along or near the Asian side of the Pacific Ocean. The region extends from Japan in the north to New Zealand in the south. This culturally diverse region has experienced

extraordinary growth and change over the past fifty years. The forces of globalization together with improved transportation and communications have resulted in increased interdependence within the region. Diversity and interconnection are central themes of this course as we use a geographic perspective to examine the economic, social and political changes occurring in the Pacific Rim and their impact on environment and society.

### **GEOG 1170 (3 CREDITS) (4:0:0)**

#### **Introduction to Human Geography**

This course will introduce students to the discipline of human geography. Students will be exposed to the major research traditions in human geography including: population, cultural, political, economic, urban and regional geography, amongst other topics. Throughout the course Vancouver resources and examples will be used to illustrate many of the themes.

### **GEOG 1180 (3 CREDITS) (3:0:2)**

#### **Physical Geography: Meteorology, Climatology and Biogeography**

This course is an introduction to the studies of the atmosphere (meteorology), climate (climatology) and vegetation distribution (biogeography). Topics covered include atmospheric processes, local and global weather, air pollution, world climates, plant-climate interactions, urban climates, past climates and future climates. This is a laboratory science course. The lab work provides students with an opportunity to apply theoretical knowledge to a series of applied and practical problems. Students will also learn how to make weather observations.

Note: GEOG 1180 and 1190 may be used to fulfil the science requirement for an Arts Degree. The two courses may be taken in the same semester, or in separate semesters. GEOG 1180 and 1190 can be taken in any order.

### **GEOG 1190 (3 CREDITS) (3:0:2)**

#### **Physical Geography: Geomorphology**

An introduction to the dynamic forces and processes responsible for shaping the surface of the earth and the development of landforms (geomorphology). Topics covered include the internal structure of the earth; plate tectonics; volcanism; earthquakes; mountain building; the effects of water, ice and wind on the surface of the earth and the development and distribution of soils. This is a laboratory science course. Weekly

labs teach skills in the use of topographic maps, air photo interpretation and terrain analysis. There will be a field trip to a local area of interest.

Note: GEOG 1180 and 1190 may be used to fulfil the science requirement for an Arts Degree. The two courses may be taken in the same semester, or in separate semesters. GEOG 1180 and 1190 can be taken in any order.

### **GEOG 1195 (3 CREDITS) (4:0:0)**

#### **Special Topics I**

This number is reserved for Geography courses that may be offered from time to time by: a) College Geography Faculty who may wish to present a course in their specialty which may be of limited interest, or b) Visiting Geography Lecturers.

Prerequisite(s): will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding course offerings will be made in the *Registration Guide* and *Course Schedule*.

### **GEOG 2155 (3 CREDITS) (3:0:1)**

#### **Resource and Environmental Management**

This course will examine environmental resources and the ways in which they are valued and utilized. Some of the themes considered will be environmental impact assessment, conflict over resources, incorporation of local knowledge, co-management, the implications of gender, and roles of governmental and non-governmental decision-makers, and the general public.

Prerequisite(s): Any one of GEOG 1100, 1120, 1130, 1150, 1155, 1160, 1170, 2250, 2270 or ENV5 2390 or with the permission of the instructor.

### **GEOG 2210 (3 CREDITS) (3:0:2)**

#### **Introduction to Geographic Techniques**

This is a laboratory science course that introduces students to the fundamentals of the acquisition, modeling, analysis, and management of spatially referenced data (geomatics). Topics covered include geodesy, cartography, surveying, remote sensing, and geographic information systems (GIS). In the lab component, students work on applied problems in these fields using a GIS application (Idrisi). The lab component includes both field work and work in a computer lab. A basic familiarity with the MS Windows operating system is recommended for students enrolling in this course.

Prerequisite(s): Any one of GEOG 1100, 1180, 1190,

or permission of the instructor.

Note: GEOG 2210 is recommended to students pursuing advanced studies in Geography and students from other disciplines who anticipate the need of skills in the collection and analysis of spatial data.

### **GEOG 2230 (3 CREDITS) (3:1:0)**

#### **Urban Canada**

Explores the unique character of Canadian cities. Topics include transportation, housing, population growth and suburban development.

Prerequisite(s): Any one of GEOG 1100, 1120, 1130, 1150, 1155, 1160, 1170, 2210, 2240, 2270, or another Social Science alternative with the permission of instructor or department.

### **GEOG 2250 (3 CREDITS) (3:1:0)**

#### **Economic Geography**

This course introduces the basic concepts and theories of economic geography and examines the changing geography or 'global shift' of economic activity within the contemporary world economy. The course examines the economic, political and social relations that are part of modern market economies, as well as the role played by key economic actors such as business, government, labour, and consumers. The significance of changing technology over time and space, and issues related to development and globalization are also discussed.

Prerequisite(s): Any one of GEOG 1100, 1120, 1130, 1150, 1155, 1160, 1170, 2210, 2270 or another Social Science alternative with the permission of the instructor.

### **GEOG 2270 (3 CREDITS) (3:1:0)**

#### **Cultural Geography**

Cultural Geography is concerned with making sense of people and the places they occupy through the analysis and understanding of cultural processes, cultural landscapes, and cultural identities.

Prerequisite(s): One of GEOG 1100, 1120, 1130, 1150, 1155, 1160, 1170, 2210 or 2250; LAMS 1100 or 1101; or other Social Science alternative with the permission of the instructor.

### **GEOG 2280 (3 CREDITS) (3:0:2)**

#### **Weather, Climate and Climate Change**

Building upon the basic principles introduced in GEOG 1180, this course uses an integrated approach to study physical and dynamic climatology, meteorology and climate change. GEOG 2280 is a laboratory

science course with both a lecture and laboratory component. Topics covered include atmospheric composition, energy and moisture; global, synoptic, and local scale circulations; ocean-atmosphere interactions; climate change, and modeling of the climate system. Lab assignments allow students to develop skills in the collection, analysis and interpretation of climate data. Working in small groups, students also monitor and analyze local weather over the duration of the course.

Prerequisite(s): GEOG 1180 or permission of the instructor.

### **GEOG 2290 (3 CREDITS) (3:0:2)**

#### **Advanced Geomorphology**

Advanced studies of the processes that affect development of natural landforms and landscapes. GEOG 2290 is a laboratory science course with both lecture and laboratory sections. Topics covered include fluvial, coastal, desert glacial and periglacial processes, natural weathering phenomena and soil profile development. Topics of local interest include mass movement, earthquake activity, volcanism and natural hazards associated with the Greater Vancouver - Fraser River Valley region. Weekly labs will introduce methods of analysis with case studies as means to teach applications in environmental assessment and interpretation. Field trips will focus on local landscape development.

Prerequisite(s): GEOG 1190 or GEOL 1110 or with the permission of the instructor.

### **GEOG 2295 (3 CREDITS) (4:0:0)**

#### **Special Topics II**

This number is reserved for Geography courses that may be offered from time to time by: a) College Geography Faculty who may wish to present a course in their specialty which may be of limited interest, or b) Visiting Geography Lecturers.

Prerequisite(s): will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding course offerings will be made in the *Registration Guide* and *Course Schedule*.

## **Geology**

### **(GEOL)**

Geology courses are taught within the Geography Department. All geology courses carry university-transfer credit. GEOL 1110 and GEOL 2205 are laboratory science courses. In some instances GEOL 1110 may be substituted for GEOG 1190. For further information consult the Geography Department.

### **GEOL 1110 (3 CREDITS) (3:0:2)**

#### **Introduction to Geology**

This course provides an introduction to physical geology. Topics include the origin and structure of the earth, the nature of rocks and minerals, plate tectonics, deformation of the earth's crust, seismic activity, geomorphic processes and the development of landforms. This is a laboratory science course with science credit. Labs will emphasise rock and mineral identification techniques.

Note: GEOL 1110 may be taken as an alternative to GEOG 1190 as a requirement for the Arts and Science (Environmental Studies) Diploma.

### **GEOL 1115 (3 CREDITS) (2:2:0)**

#### **Introduction to Geology I**

A Geology course for non-science majors which provides an introduction to physical and historical geology. It includes consideration of the origin and structure of the earth, rocks and minerals, deformation of the earth's crust, erosion and landforms. History of the earth and development of life.

### **GEOL 2205 (3 CREDITS) (3:0:2)**

#### **Historical Geology**

This course aims to provide students with an understanding of the earth's ancient or paleo-environments and how this history has been recorded in the rocks of the earth. Other topics include: the development of the geologic time scale; techniques used to date rocks and events in this history of the Earth; fossil classification and the use of indicator fossils in biostratigraphy. This is a laboratory science course with science credit.

Prerequisite(s): GEOL 1110

### **GEOL 2207 (3 CREDITS) (3:0:2)**

#### **Natural Hazards**

An introduction to catastrophic natural events including earthquakes, volcanoes, mass movement, severe weather, fire, and river and coastal flooding. Also presented are climate change, sea-level fluctuation and ground water pollution, which represent other seemingly less dramatic, but no less important, hazardous conditions. Emphasis is placed on how these events impact on the earth's natural environment and how they influence and are influenced by human activity including efforts at predictions, preventions, and mitigation of large and small scale events.

Prerequisite(s): GEOG 1180 and one of GEOG 1190 or GEOL 1110.

### **GEOL 2215 (3 CREDITS) (2:2:0)**

#### **Introduction to Geology II Non-lab**

A Geology course for non-science majors which provides an introduction to physical and historical geology. It includes consideration of the origin and structure of the earth, rocks and minerals, deformation of the earth's crust, erosion and landforms. History of the earth and development of life.

Prerequisite(s): GEOL 1115

## **Greek**

**(GREK)**

### **GREK 1115 (3 CREDITS) (3:1:0)**

#### **Introductory Greek I**

An introduction to Ancient Greek. The elements of the language. Simple readings. This course will prove especially useful to students of Classical Studies, Comparative Literature, History, Religious Studies, and Romance Languages.

Prerequisite(s): Permission of Instructor.

### **GREK 1215 (3 CREDITS) (3:1:0)**

#### **Introductory Greek II**

A continuation of GREK 1115 with readings in prose. This course will prove especially useful to students of Classical Studies, Comparative Literature, History, Religious Studies, and Romance Languages.

Prerequisite(s): GREEK 1115

Note: GREK 1115/1215 will be a regular Guided Independent Study offering in the History/Latin Department. See the *Registration Guide* and *Course Schedule* for details.

## **Health Sciences**

**(HSCI)**

### **NEW HSCI 1120 (3 CREDITS) (3:1:0)**

#### **Introduction to Human Sexuality and Behaviour**

This course provides introductory information about human sexuality across a broad spectrum of topic areas. Sexual function is a fundamental part of a full and healthy life, but misinformation, concerns, problems, and dysfunctions are prevalent. This course offers an evidence-based introduction to human sexual function and dysfunction, and normal psychosexual development across a range of sexual behaviours, examining the effects of socialization on sexual attitudes and behavior. It draws upon the work of scholars in such fields as psychology, sociology, medicine, anthropology, theology, and philosophy to incorporate a multicultural, multi-ethnic perspective that reflects the diversity of sexual experience in our society and around the world.

### **HSCI 1130 (3 CREDITS) (3:1:0)**

#### **Foundations of Health Science**

This interdisciplinary course will examine foundational issues in health science. Topics include definitions and concepts of health, illness, and disease, and an introduction to research methods that are used to study the distribution and determinants of illness and disease in human populations. The influence of demographic, genetic, biological, environmental, socio-economic, behavioural, and political factors in the determination of human health will be explored. Ethical issues and moral considerations that inform health science including health care research, allocation of health care resources, and clinical care will be emphasized.

Prerequisite(s): Within the last three years, a minimum 'C' grade in one of Principles of Math 11, Foundations of Math 11, Foundations of Math 12, Applications of Math 12, Precalculus 11, or Precalculus 12; or one of MATH 1150, 1152, 1153, 1170, 1171, 1173, or 1174 (MATH courses may be taken concurrently); or MDT 60; or permission of the Health Sciences Co-ordinator.

### **NEW HSCI 1140 (3 CREDITS) (3:1:0)**

#### **Complementary and Alternative Medicine**

The main objectives of this course are to examine and analyze complementary and alternative medicine from a theoretical point of view as well as from an evidence-based approach. The course also encourages students to critically evaluate their own personal perspective on the role of CAM therapies and medicines in population health. Another objective for this course is to challenge students to develop their skills in critical thinking, write effectively, and vocalize their ideas clearly.

### **HSCI 1160 (3 CREDITS) (3:1:0)**

#### **Global Perspectives on Health**

This first-year introduction and survey course is designed to incorporate a cross disciplinary view of the major trends, issues, and challenges in the area of global health. This includes perspectives on major diseases of global importance, as well as considerations of health information, health care systems, and health care governance and policy. The course is designed for non-science students.

### **NEW HSCI 1180 (3 CREDITS) (3:1:0)**

#### **Drugs and Society**

This is an introductory course on the subject of drug addictions and their social impact. The pharmacology and effects of legal and illegal drugs will be examined as well as their effects, risk factors, and opportunities for intervention. In addition, risk factors, major theories on substance abuse, and addiction will be analyzed with the goal of understanding the pros and cons of current approaches to the management of drug use from a public health policy perspective.

### **HSCI 2211 (3 CREDITS) (3:1:0)**

#### **Perspectives on Cancer, Cardiovascular, and Metabolic Diseases**

The impact of the major non-communicable diseases - cancers, cardiovascular, and metabolic diseases - on public health will be examined using a multi-disciplinary approach. An introduction to the biological mechanisms, risk factors and global distribution of each will be given, followed by an examination of their historical and cultural contexts.

Prerequisite(s): HSCI 1130 and one of the following: BIOL 1115, 1116, 1175, 1190 or HKIN 1190.

Note: Students wanting to complete a BSc at SFU in Health Sciences must take BIOL 1115. Students

wanting to complete a BA at SFU in Health Sciences must take one of BIOL 1115, 1116, or 1175. Students wanting neither a BSc nor a BA at SFU in Health Sciences may complete any one of BIOL 1115, BIOL 1116, BIOL 1175, BIOL 1190, or HKIN 1190.

### **HSCI 2212 (3 CREDITS) (3:1:0)**

#### **Perspectives on Immunology, Infectious, and Parasitic Diseases**

Students begin this course with a survey of the fields of microbiology and immunology, followed by an examination of their application to current problems in infectious disease and public health. Relevant topics from current literature will be discussed.

Prerequisite(s): HSCI 1130 and one of the following; BIOL 1115, 1116, 1175, 1190, or HKIN 1190. HSCI 1130 and one of the following; BIOL 1115, 1116, 1175, 1190, or HKIN 1190.

Note: Students wanting to complete a BSc at SFU in Health Sciences must take BIOL 1115. Students wanting to complete a BA at SFU in Health Sciences must take one of BIOL 1115, 1116, or 1175. Students wanting neither a BSc nor a BA at SFU in Health Sciences may complete any one of BIOL 1115, BIOL 1116, BIOL 1175, BIOL 1190, or HKIN 1190..

### **NEW HSCI 2214 (3 CREDITS) (3:1:0)**

#### **Perspectives on Mental Health and Illness**

This course provides an interdisciplinary examination of mental health and mental illness from biological, psychological, cultural, and political perspectives. Foundational concepts of selected mental health and illness issues will be explored.

Prerequisite(s): HSCI 1130 and one of the following; BIOL 1115, 1116, 1175, 1190, or HKIN 1190.

Note: Students wanting to complete a BSc at SFU in Health Sciences must take BIOL 1115. Students wanting to complete a BA at SFU in Health Sciences must take one of BIOL 1115, 1116, or 1175. Students wanting neither a BSc nor a BA at SFU in Health Sciences may complete any one of BIOL 1115, BIOL 1116, BIOL 1175, BIOL 1190, or HKIN 1190.

### **NEW HSCI 2215 (3 CREDITS) (4:0:0)**

#### **Perspectives on Disability and Injury**

This course is designed to provide an overview of injury and disability. Topics will be examined through multiple levels of analysis. A review of global distribution and risk factors will also be included in the discussion.

Prerequisite(s): HSCI 1130 and one of the following: BIOL 1115, 1116, 1175, 1190, or HKIN 1190.

Note: Students wanting to complete a BSc at SFU in Health Sciences must take BIOL 1115. Students wanting to complete a BA at SFU in Health Sciences must take one of BIOL 1115, 1116, or 1175. Students wanting neither a BSc nor a BA at SFU in Health Sciences may complete any one of BIOL 1115, BIOL 1116, BIOL 1175, BIOL 1190, or HKIN 1190.

### **NEW HSCI 2216 (3 CREDITS) (3:1:0)**

#### **Ecological Determinants of Human Growth, Development, and Health**

This course examines the ecological and human environmental impacts on human growth, development, and health. Topics will include the challenges of epidemics, natural catastrophes, industrialization, globalization, migration, poverty, war, and global warming, and how human populations respond and adapt to these challenges.

Prerequisite(s): HSCI 1130 and one of the following: BIOL 1115, 1116, 1175, 1190, or HKIN 1190.

Note: Students wanting to complete a BSc at SFU in Health Sciences must take BIOL 1115. Students wanting to complete a BA at SFU in Health Sciences must take one of BIOL 1115, 1116, or 1175. Students wanting neither a BSc nor a BA at SFU in Health Sciences may complete any one of BIOL 1115, BIOL 1116, BIOL 1175, BIOL 1190, or HKIN 1190.

# History

(HIST)

## NOTE

Students interested in History may also be interested in ASIA 1170 - Imperialism in China (19th Century) and ASIA 2270 - Modern China and the West (20th Century)

### HIST 1113 (3 CREDITS) (3:1:0)

#### History of the Early Medieval World

A study of the most significant aspects of early Medieval History from the decline of Rome to about the year 1000 A.D. Special attention will be given to the development of characteristic institutions and ideas in this period. The course will focus upon the disintegration of the classical world and the genesis of a new form of civilization in Europe. Special attention will be given to the new order created in Western Europe at the time of Charlemagne and his immediate successors.

### HIST 1114 (3 CREDITS) (3:1:0)

#### Renaissance and Reformation

The development of the political thought, religion, science, economics, and culture of the Western World from the Italian Renaissance to the mid-eighteenth century. An introductory course recommended as the basis for studies in Modern History. In all fields, Western Europe was characterized by a greater secularization and this forms one of the major themes of this course.

### HIST 1115 (3 CREDITS) (3:1:0)

#### Modern History 1900 - 1939

Beginning with a survey of the European powers at the turn of the century, the course traces the causes of World War I, the nature of the war and the prolonged attempts to settle it. The Russian Revolution and the modernization of the Soviet Union under Stalin, the rise of Fascism in Italy and Nazism in Germany, the impact of the Great Depression are principal themes. The course ends examining the causes of the Second World War.

### HIST 1116 (3 CREDITS) (3:1:0)

#### Early Canada

The analysis of early French and English colonies on the eastern coast through the period of colonial rivalry; the relationship between Europeans and First Nations; the British conquest; the conflict of cultures; social, economic, and political developments to 1867. HIST 1116 can be taken before or after HIST 1126 (Modern Canada) or

concurrently.

Note: HIST 1116 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### NEW HIST 1117 (3 CREDITS) (3:1:0)

#### Outsiders: Histories of Exclusion

This course investigates groups considered to be "outsiders" at various points in Western history. By focusing on three specific groups of outsiders and following their respective histories from the Middle Ages to the present, the causes for such ostracization can be explored, and the official as well as public responses to them can be assessed.

### NEW HIST 1118 (3 CREDITS) (3:1:0)

#### Journeys in the History of Ideas

This course will investigate the concept of Just War and the idea of Poverty from the Middle Ages to the Present and will trace how these concepts have evolved over time. By tracing the "evolution" of these concepts, students will see how they have been redefined and even manipulated to suit particular political and social agendas.

### HIST 1119 (3 CREDITS) (3:1:0)

#### American History (From Early Colonies to the Civil War)

A study of the struggle of the first British colonies for economic existence, for political independence, for continental expansion, and for political unity.

### HIST 1123 (3 CREDITS) (4:0:0)

#### History of the Late Medieval World

A study of the most pertinent aspects of the late Medieval World from about the year 1000 A.D. until the Italian Renaissance. Special attention will be given to the development of institutions and ideas in this period, particularly the twelfth century revival of learning and its aftermath.

### HIST 1124 (3 CREDITS) (3:1:0)

#### Europe in a Revolutionary Age

This course is a continuation of HIST 1114, extending from the mid-eighteenth century to 1900. Special attention is given to the Enlightenment, the Industrial Revolution, the American and French Revolutions, and the major social and intellectual developments of nineteenth century Europe. These are the forces that have shaped the modern world and this is an introductory course which is recommended as a basis for studies in Modern History.

### HIST 1126 (3 CREDITS) (3:1:0)

#### Modern Canada

The social, political, and economic growth of Canada since Confederation. This course will consider such topics as 19th century economic policy, the relationship between First Nations and the emerging Canadian state, the place of Quebec in Canada, women's historical experience, the impact of industrialization, and Canada's relationship to both Britain and the United States. History 1126 can be taken before or after History 1116 (Early Canada) or concurrently.

Note: HIST 1126 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### HIST 1129 (3 CREDITS) (3:1:0)

#### American History (Reconstruction to the Present)

The coming of age of a great power. This course explores the history of American people as they recover from the trauma of the civil war and incorporate new lands, resources and floods of immigrants to become the world's most powerful economy. In two world wars, the U.S. takes on global responsibility which is confirmed during the Cold War and after. Emphasis will be placed on social and cultural as well as political themes.

### HIST 1130 (3 CREDITS) (3:1:0)

#### Modern History (1939 to Present)

A study of the conflicts leading to World War II; the events and global aspects of the war; the "Cold War" tension; the impact of growing Communism and the emergence of the People's Republic of China; the collapse of colonialism and resultant rise of the new nationalism in Asia and Africa.

### HIST 1155 (3 CREDITS) (4:0:0)

#### The History of the Family in Western Society

An introduction to the changing role of the family in Western society from the pre-industrial past to the 20th century. The course will focus on changes in the way the Western family served its members at various stages of their lives from childhood to old age as the family adapted to changes in the state and marketplace.

### HIST 1161 (3 CREDITS) (4:0:0)

#### Selected Issues in Canadian History

Selected Issues in Canadian History.

Note: HIST 1161 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **HIST 1190 (3 CREDITS) (20:0:0)**

#### **Greece: History and Monuments**

A study of the history, people, and monuments of Greece, covering a range of historical eras, including Mycenaean, Classical, Roman, Byzantine and Crusader, Turkish, and early independence. This is an intensive 25 day course, 21 days of which will be field studies in London and Greece.

Prerequisite(s): Enrolment limited to students of the Study in Greece program.

### **HIST 1195 (3 CREDITS) (3:1:0)**

#### **Special Topics I**

This number is reserved for History courses that may be offered from time to time by:  
a) College History Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting History Lecturers.

Note: Announcements regarding HIST 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

### **HIST 2207 (3 CREDITS) (2:2:0)**

#### **Early British Columbia**

This course focuses on the British Columbia historical experience from the time of contact between First Nations and European people until B.C. joined Confederation in 1871. Themes of particular interest include First Nations-European relations, colonial settlement, the structure of B.C.'s society and economy, American influences and Confederation. In addition, this course provides an introduction to research methods in local history.

Note: HIST 2207 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **HIST 2210 (3 CREDITS) (4:0:0)**

#### **Ancient Greece**

Greece in the Bronze Age; the evolution of government and society; the rise and fall of the Athenian Empire; Macedon and Alexander the Great; how the Greeks remembered their past. This course is taught at a second year level, but there is no prerequisite.

Note: For related courses, see CLST 1110, HIST 2211.

### **HIST 2211 (3 CREDITS) (4:0:0)**

#### **Ancient Rome**

Early Rome and its foundation. The republic, with emphasis upon the evolution of government and pressure of war. The fall of the republican government and the triumph of Augustus. The developed Empire and the Pax Romana. Decline and fall. This course is taught at a second year level, but there is no prerequisite.

Note: For related courses, see CLST 1120, HIST 2210.

### **HIST 2215 (3 CREDITS) (3:1:0)**

#### **History of Urban Growth in Canada**

This course examines how and why Canadian cities and towns took the shape they did. Central to this understanding is an investigation of early urban forms in Canada and their antecedent and contemporary forms in Europe and the U.S. The course will explore the diverse social, political, economic, intellectual, religious, technological, topographical, and aesthetic elements which combined to shape Canadian cities and towns and influenced the path of urban growth.

Note: Priority registration given to students enrolled in the Applied Urban and Rural Planning program.

HIST 2215 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **HIST 2217 (3 CREDITS) (3:1:0)**

#### **Modern British Columbia**

A topical survey of British Columbia history since Confederation in 1871 with special attention to the structure of B.C.'s economy, the ethnic make-up of the province, First Nations' issues, industrial relations, urbanization, environmental questions and provincial politics. In addition, this course provides an introduction to historical research methods.

Note: HIST 2217 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **HIST 2225 (3 CREDITS) (3:1:0)**

#### **The Peoples of Quebec: A Social History to the late 19th Century**

This course explores the histories and interactions of the peoples who inhabited Quebec from the sixteenth through the nineteenth centuries. Themes to be investigated include the Aboriginal experience of colonization; relations

between centre and periphery in an imperial era; the struggle for place and identity by distinct cultural groups; the meanings of nationalism; state formation and its significance for local communities; and the social and political consequences of industrialization.

Note: HIST 2225 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **HIST 2231 (3 CREDITS) (3:1:0)**

#### **France in a Revolutionary Age: 1760-1848**

This course begins with a study of the most pertinent aspects of French history during the last years of the Old Regime. Special attention will be given to the social, economic and intellectual origins of the Revolutions of 1789, 1830, and 1848. The impact of the French example on the rest of Western Europe will form one of the major themes of this course.

Prerequisite(s): Any History course.

### **HIST 2233 (3 CREDITS) (3:1:0)**

#### **Nineteenth Century Russia**

A history of Russia from 1812 to 1917, from Napoleon's invasion of Russia in 1812 to Czar Nicholas II abdication in 1917 - with particular emphasis upon social and intellectual trends and upon the rise of revolutionary movements.

Prerequisite(s): Any History course.

### **HIST 2234 (3 CREDITS) (3:1:0)**

#### **Socialism in one Country: A History of the Soviet Union, 1917 - 1991**

This course offers a comprehensive interpretation of the Russian historical experience from 1917 to 1991. It attempts to strike a reasonable balance between the Stalin years, which have been the focus of much attention, and the post-Stalinist period. While recognizing the profound influence Stalin exerted on Soviet history, the course also explores the various efforts at de-Stalinization, which occurred after his death, through the Gorbachev era. Moving beyond the standard emphasis on ideological matters, the course seeks to explore the social issues and decision-making processes during the Soviet period.

Prerequisite(s): HIST 1115 or permission of the instructor. HIST 1115 and HIST 2234 may be taken concurrently.

### **HIST 2236 (3 CREDITS) (4:0:0)**

#### **The Franks: From Barbarian Tribe to Imperial Mission - the Destiny of the Merovingians and the Carolingians**

The Franks first appear in historical sources during the third century A.D. as a group of undistinguished barbarians living in the lowlands north and east of the Rhine frontier of the Roman Empire. From this undistinguished beginning, they created the most powerful of all the barbarian kingdoms and became the effective heirs of the Roman Empire. In 800, a Frank was crowned in Rome as the first emperor of Germanic origins. Utilizing contemporary documents and archaeological evidence, this course traces the history of the Franks from barbarism to their military and civil dominance of western Europe.

Prerequisite(s): Any History course; HIST 1113 preferred.

### **HIST 2237 (3 CREDITS) (4:0:0)**

#### **Popes, Emperors and Kings: Aspects of the History of Medieval Political Theory**

The concept of the separation of church and state - indeed, the idea of the modern state itself - grew out of a struggle between the kings, emperors and popes of medieval Europe. The polemics and the developments in law derived from the crucial medieval debate have left their imprint on the course of Western history. This course will discuss such vital issues as the nature of authority, justice, and property; the problem of legitimacy, allegiance, the right of resistance to the powers that be; and the character and function of law. These concepts form the very foundation of western societies and the medieval debate is relevant to an understanding of contemporary institution and ideas.

Prerequisite(s): Any History course.

### **HIST 2239 (3 CREDITS) (3:1:0)**

#### **Britain in the Nineteenth Century**

Victorian Britain was the first urban industrial nation. This course will examine the way that Victorian society met the challenge of industrialization, focusing on the social, cultural and political changes that took place in Britain during the 19th century. Emphasis will be placed on specific themes such as the changing class relationships, the impact of industrialization on family life, patterns of work and leisure, and urban growth.

### **HIST 2241 (3 CREDITS) (3:1:0)**

#### **The History of the Cold War I: 1946 - 1960**

Against the backdrop of World War II, this course looks at the events and circumstances which led to the division of the world into two mutually hostile camps, the communist and the capitalist, each under the aegis of the USSR and the U.S. respectively. This polarization of world politics carried with it the danger that any conflict between the two superpowers might ignite a world-wide conflict. This course examines the Chinese Civil War (1945-1949), the Berlin Blockade, the Korean War, and the launching of Sputnik (1958).

Prerequisite(s): Any History course or permission of the instructor.

### **HIST 2242 (3 CREDITS) (3:1:0)**

#### **The History of the Cold War II: 1960-1991**

This course is a continuation of HIST 2241. It examines the U.S. - USSR clash in the Cuban Missile Crisis (1962), the American quagmire in Vietnam, and the Star Wars concept. It follows concurrent attempts at breaking the disabling cold war attitudes and policies, attempts which proved successful only under Mikhail Gorbachev. In 1991, the Cold War was officially proclaimed dead.

Prerequisite(s): HIST 2241 or permission of the instructor. HIST 2241 and HIST 2242 may be taken concurrently.

### **HIST 2243 (3 CREDITS) (4:0:0)**

#### **Vietnam: From Colonial War to Cold War, 1945 - 1975**

This course looks at the various decisions made by the great powers which turned a deaf ear to the postwar Vietnamese desire for independence and instead ushered in a period of unrelenting turmoil and suffering. France's attempt to re-establish her colonial overlordship in Vietnam ended in failure in 1954, with the United States subsequently stepping in to prevent South Vietnam from falling victim to Communism. As an important "domino", South Vietnam became a recipient of U.S. military and economic aid, to ensure her survival as part of the free world. In the end, however, the costs of such policies became unbearable, at home as well as abroad and like France before her, the United States too had to pull out of Vietnam.

Prerequisite(s): HIST 1130 or permission of the instructor. HIST 1130 and HIST 2243 may be taken concurrently.

### **HIST 2245 (3 CREDITS) (3:1:0)**

#### **Rights, Rock, and Revolution: The Uncivil War of the 1960s**

(Formerly: Prosperity and Protest: The Modern West Since 1945)

This course charts the rise and transformation of social and political protest in Western Europe and North America since 1945. It pays particular attention to the ways in which consumer society, the welfare state, and new forms of popular culture were important in shaping student protest, youth counter culture, feminism, environmentalism and other movements and equally so in determining the growth of a populist conservative reaction in the 1980's and 1990's

### **NEW HIST 2246 (3 CREDITS) (3:1:0)**

#### **Contemporary Canada: Change and Conflict since 1945**

This course examines post-war Canada. It is designed to introduce some of the major themes and events that have shaped this country's recent past since 1945. The course highlights such topics as Canada's role in the Cold War, immigration policy and debates, the rise of the welfare state and the challenge to its expansion, the experience and influence of the baby boom generation, the changing position of women, the Quebec nationalist movement, First Nation's protest, provincial-federal tensions, and Canada's relationship to the United States.

Prerequisite(s): Any History course; or permission of the department.

### **HIST 2249 (3 CREDITS) (3:1:0)**

#### **Britain in the Twentieth Century**

A study of the dramatic changes in British society and Britain's place in the world from the beginning to the end of the twentieth century, exploring such themes as Britain's central role in WWI and WWII, the loss of Empire the rise of the Welfare state, and her post-war position as mediator between the United States and Europe.

### **HIST 2255 (3 CREDITS) (4:0:0)**

#### **History of the Modern Middle East**

This course surveys and attempts to make sense of the recent history of a region that has been torn by internal strife and has become the focus of intense international conflict. Focusing on the history of the Middle East in the twentieth century this course will examine, amongst other topics: the development of state and society in the aftermath of World War I, the emergence



of the state of Israel and an enduring Arab-Israeli conflict, the role of external powers in the history of this region, and the rise of Arab nationalism and the politics of Islam. The course will culminate with a discussion of the "events of 9/11" and the beginning of a new "Gulf War" in 2003.

Note: HIST 2255 satisfies the Canadian content requirement for certification by the B.C. College of Teachers.

### **HIST 2260 (3 CREDITS) (3:1:0)**

#### **Environmental History**

An introduction to the main currents of research and writing in the field of environmental history. Students will examine the intellectual and cultural history of ideas of nature, wilderness, environment and the human relation to it, as well as the principal ways - political, economic, social and cultural - in which humans have related to the environment.

### **HIST 2269 (3 CREDITS) (4:0:0)**

#### **Canadian-American Relations**

A study of integration and conflict, from our historical beginnings to our twentieth century industrialization. The course will examine the influence the United States has had on the development of Canadian Society in the areas of economics, culture, defence and foreign policy.

Prerequisite(s): Any History course.

Note: This course will be offered in the Spring Semester.

### **HIST 2295 (3 CREDITS) (3:1:0)**

#### **Special Topics II**

This number is reserved for History courses that may be offered from time to time by:  
a) College History Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting History Lecturers.

Note: Announcements regarding HIST 2295 offerings will be made in the *Registration Guide* and *Course Schedule*.

## **Human Kinetics**

### **(HKIN)**

#### **HKIN 1100 (3 CREDITS) (3:0:1)**

##### **Biodynamics of Physical Activity**

An introductory examination of the mechanical, anatomical and physiological bases of human performance.

#### **HKIN 1103 (3 CREDITS) (2:0:2)**

##### **Active Health**

This course will examine the role of physical activity in the maintenance of a healthy life, and will investigate the application of basic physical fitness and exercise methods, exercise techniques and fitness appraisal.

#### **HKIN 1115 (3 CREDITS) (2:0:2)**

##### **Performance Analysis: Educational and Artistic Gymnastics**

This course emphasizes (sport-specific) practical ability, fitness skills and theory while working towards completion of Level 1 Technical in the National Coaches Certification Program for Sport. The student will apply theoretical knowledge gained from the various Human Kinetics courses to sport activity

Note: Students will receive credit for only one of HKIN 1115 and HKIN 1117.

#### **HKIN 1117 (1.5 CREDITS) (2:0:0)**

##### **Performance Analysis: Gymnastics**

The study and practice of effective performance in developmental gymnastics. In both theoretical and practical environments, students will learn to correctly apply appropriate methods of analysis, error detection and correction when analyzing performance, and safety in gymnastic environments.

Note: Students will receive credit for only one of HKIN 1115 and HKIN 1117.

#### **HKIN 1118 (1.5 CREDITS) (2:0:0)**

##### **Performance Analysis: Dance**

The analysis of performance and instructional strategies in dance.

#### **HKIN 1123 (1.5 CREDITS) (2:0:0)**

##### **Performance Analysis: Aquatics**

An introduction to aquatics through participation and analysis by the class. Emphasis will be placed on learning, understanding, the analysis of movement, and development of appropriate teaching strategies and training programs.

Prerequisite(s): Students should be comfortable in an aquatic setting, be able to engage in moderate physical activity, and have a bathing suit and goggles.

Note: Students will receive credit for only one of HKIN 1116 and HKIN 1123.

#### **HKIN 1124 (1.5 CREDITS) (2:0:0)**

##### **Performance Analysis: Triathlon**

An introduction to the sport of triathlon through participation and analysis by the class. Emphasis will be placed on the learning, understanding, analysis of movement, and development of appropriate teaching strategies and training programs.

Prerequisite(s): Students should be comfortable in an aquatic setting and able to engage in moderate physical activity; have a bathing suit, goggles, running shoes, and bicycle helmet; and have access to a working bicycle.

Note: Students will receive credit for only one of HKIN 1116 and HKIN 1124.

#### **HKIN 1151 (3 CREDITS) (2:1:1)**

##### **Biomechanics I**

This course will examine the application of elementary principles of physics and mathematics to a quantitative analysis of movement. Analysis will also focus on the development of forces within muscles and their effect on initiating and controlling human movement.

Prerequisite(s): HKIN 1151 relies on a basic knowledge of high school math principles (basic algebra, trigonometry). Students without a 'B' in Principles of Math 11 (PM11) or a 'C+' in PM 12, or a score of 70 on the Langara Math Diagnostic Test, should strongly consider taking MATH 1150 prior to this course.

#### **HKIN 1161 (3 CREDITS) (3:1:0)**

##### **Leisure & Sport in Society**

Introduction to the political, economic and social basis of leisure and sport: concepts, myths, theories and problems.

### HKIN 1190 (3 CREDITS) (2:0:2)

#### Anatomy & Physiology I

Human anatomical systems and their integration. A major emphasis is placed on the skeletal and muscular systems.

Prerequisite(s): HKIN 1100 or permission of the department.

### HKIN 1191 (3 CREDITS) (2:0:2)

#### Anatomy & Physiology II

Human anatomical systems & their integration. A major emphasis is placed on the nervous, endocrine, respiratory, circulatory, digestive and urinary systems and their functioning in physical activity.

Prerequisite(s): HKIN 1190 may be taken concurrently.

### HKIN 2220 (1.5 CREDITS) (2:0:0)

#### Performance Analysis: Soccer

An introduction to the sport of soccer through participation and analysis by the class. Emphasis will be placed on the learning and understanding of the basic skills. Further consideration will be given to the fundamental strategy systems of play exhibited at all levels of play. This course will emphasize (sport-specific) technical, tactical, strategy skills, and theory.

Prerequisite(s): Students should be able to engage in moderate physical activity.

### HKIN 2221 (1.5 CREDITS) (2:0:0)

#### Performance Analysis: Basketball

An introduction to the sport of basketball through participation and analysis by the class. Emphasis will be placed on the learning and understanding of the basic skills. Further consideration will be given to the fundamental strategy systems of play exhibited at all levels of play. This course emphasizes (sport-specific) technical, tactical, strategy skills, and theory.

Prerequisite(s): Students should be able to engage in physical activity.

Note: Students will receive credit for only one of HKIN 2215 and HKIN 2221.

### HKIN 2222 (1.5 CREDITS) (2:0:0)

#### Performance Analysis: Team Handball

An introduction to the sport of team handball through participation and analysis by the class. Emphasis will be placed on the learning and understanding of the basic skills. Further consideration will be given to the fundamental strategy systems of play exhibited at all levels of play. This

course emphasizes (sport-specific) technical, tactical, strategy skills, and theory.

Prerequisite(s): Students should be able to engage in physical activity.

Note: Students will receive credit for only one of HKIN 2215 and HKIN 2222.

### HKIN 2223 (1.5 CREDITS) (2:0:0)

#### Performance Analysis: Volleyball

An introduction to the sport of volleyball through participation and analysis by the class. Emphasis will be placed on the learning and understanding of the basic skills. Further consideration will be given to the fundamental strategy systems of play exhibited at all levels of play. This course emphasizes (sport-specific) technical, tactical, strategy skills, and theory.

Prerequisite(s): Students should be able to engage in physical activity.

Note: Students will receive credit for only one of HKIN 2216 and HKIN 2223.

### HKIN 2224 (1.5 CREDITS) (2:0:0)

#### Performance Analysis: Softball

An introduction to the sport of softball through participation and analysis by the class. Emphasis will be placed on the learning and understanding of the basic skills. Further consideration will be given to the fundamental strategy systems of play exhibited at all levels of play. This course emphasizes (sport-specific) technical, tactical, strategy skills, and theory.

Prerequisite(s): Students should be able to engage in physical activity.

Note: Students will receive credit for only one of HKIN 2216 and HKIN 2224.

### HKIN 2230 (3 CREDITS) (3:0:1)

#### Human Motor Behaviour I

An introduction to the study of motor skill acquisition, the variables which influence learning and performance of motor skills. The processes underlying human movement and learning motor skills, and factors influencing motor control.

### HKIN 2231 (3 CREDITS) (3:0:1)

#### Sport and Exercise Psychology

This course is designed to familiarize the student with psychological variables affecting learning and the performance of a skillful act. Emphasis is on the analysis and execution of psychological variables and the application of theoretical knowledge.

### HKIN 2252 (3 CREDITS) (4:0:0)

#### Contemporary Health Issues

The course will identify and describe contemporary lifestyles, associated behaviours, and major health concerns. The responsibility of the consumer and techniques and strategies used to make positive lifestyle changes will be studied and discussed.

### HKIN 2261 (3 CREDITS) (4:0:0)

#### Health Policy and Society

This course will investigate the development, organization and administration of leisure and sport delivery systems in Canada and British Columbia, with a focus on active health for our population.

Note: Students will receive credit for only one of HKIN 2261 and HMPF 1131.

### HKIN 2275 (3 CREDITS) (2:0:2)

#### Exercise Physiology

The acute and chronic effects of exercise on body systems: basic concepts of cardiovascular, respiratory and muscular responses to physical activity.

Prerequisite(s): HKIN 1190 and HKIN 1191. HKIN 1191 may be taken concurrently.

### HKIN 2284 (3 CREDITS) (3:1:0)

#### Growth and Development

An exploration of the course of normal physical growth and motor development with emphasis on the first two decades of life, on the methods used to study physical growth and motor development, and on some developmental differences in the motor abilities of children.

### HKIN 2361 (3 CREDITS) (3:0:1)

#### Sports Medicine

Etiology of common exercise and sport injuries with an emphasis on prevention, assessment, management and rehabilitation. Consideration of current issues and developments in Sports Medicine. Practical lab experiences include wrapping and taping.

Prerequisite(s): HKIN 1190 (HKIN 1190 and HKIN 2361 may be taken concurrently)

Note: May be taken concurrently.

## Institute

(INST)

### INST 1101 (0 CREDITS) (0:0:0)

#### Langara Environment Institute

The Langara Environment Institute is an intensive, multi-disciplinary program conducted at Langara College taking the environment as its theme. The Institute consists of three regular university-transferable courses that approach the study of the environment from different perspectives. Specific course offerings vary with each Institute.

Corequisite(s): Students must be enrolled in the three courses making up the Langara Environment Institute. Information regarding which courses make up each institute will be announced in the *Registration Guide and Course Schedule*.

### INST 1105 (0 CREDITS) (0:6:0)

#### Langara Environment Institute Seminar

The Langara Environment Institute Seminar will consist of six weekly meetings of all institute students and instructors. These sessions will function as the meeting place for a collaborative research and writing project central to the work of the Institute. An Institute normally includes at least three courses (9 credits) from three disciplines offered over a seven-week period in May/June. The three courses of the Institute will focus on the environment in general terms from the perspective of the three disciplines. The Langara Environment Institute Seminar will be delivered in the context of interdisciplinary workshops, which will be focused, in-depth sessions that explore a single principle theme, place, or event of significance to the overall Institute theme. Graded S/U.

Corequisite(s): At least one of the three courses offered in the Langara Environment Institute.

## International Business

(INTB)

### INTB 1200 (3 CREDITS) (3:1:0)

#### Introduction to International Business

Discontinued Fall Semester 2009; replaced by INTB 2000

This is a survey course of the international business environment. It looks at what International Business is and means; what globalization means; and why International Business is important to the Canadian economy. It provides students with a focus on the nature of the international business environment, its financial, cultural, social, political and legal forces, and the manner in which this environment has changed and continues to change. It also provides students with an introduction to alternative methods of conducting business internationally. The reasons for and types of government and private sources of assistance to international business will be explored. The increasing importance of international organizations such as the World Bank, the International Development Association, the World Trade Organization, UNCTAD, and the International Monetary Fund is stressed. These organizations provide information and funds to help companies which are planning to enter the global economy. Another aim of this course is to provide a basic understanding of trade flows and the main trade agreements. The major trade groups and regions to be examined include the European Union, APEC & ASEAN, NAFTA and MERCOSUR.

### INTB 2000 (3 CREDITS) (4:0:0)

#### Introduction to International Business

This course introduces students to the role of international trade, the international business environment and Canada's dependence on, and role in, international business. Students will gain an understanding of international business, globalization, and the importance of international business to the Canadian economy. Students are provided with a focus on the nature of the international business environment; its financial, cultural, social, political and legal forces; and the manner in which this environment has changed and continues to change. Students are also introduced to alternative methods of conducting business internationally and reasons for and different types of government and private sources of assistance to international business. The increasing importance of

international organizations such as the World Bank, the International Development Association, the World Trade Organization, UNCTAD, CIDA, and the International Monetary Fund is emphasized. This course also provides basic understanding of trade flows and the main trade agreements. The major trade groups and regions examined include the European Union, ASEAN, APEC, NAFTA, and MERCOSUR.

Note: Students will receive credit for only one of INTB 1200 or INTB 2000.

### INTB 3100 (3 CREDITS) (4:0:0)

#### Management Issues in International Business

This course focuses on understanding the importance of managing business operations in a cross-cultural global environment. The course looks at what international management is and at what the implications are for small, medium, and large-sized international enterprises. Topics include globalization; the global political, legal, and technological environment; social and ethical responsibilities of firms; managing across cultures; cross-cultural management; organizational cultures and diversity; cross-cultural communication and negotiation and control; motivation and leadership across cultures; and international human resource management and labour relations.

Prerequisite(s): Completion of a minimum 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade or permission of the department.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business is highly recommended.

### INTB 3200 (3 CREDITS) (4:0:0)

#### International Marketing Management

The purpose of this course is to enable students to develop a proficiency in managing marketing principles and practices in a global business environment. This course examines the nature and the characteristics of international marketing and focuses on the applied micro-environmental aspects of the international marketing elements of product, price, distribution, and promotional policies for foreign markets from a conceptual and applications perspective.

Prerequisite(s): Completion of a minimum 54 credits including INTB 2000 with a minimum 'C' grade, MARK 1115 with a minimum 'C' grade,

and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

Note: Students will receive credit for only one of INTB 2300 and INTB 3200.

### **INTB 3400 (3 CREDITS) (4:0:0)**

#### **International Human Resource Management**

The challenge of globalization and people management increases the demand for human resource leaders and practitioners to expand and develop their knowledge, skill, and expertise in the field. This course introduces students to the perspective of International Human Resource Management (IHRM) and its purpose, function, and role in international business. Key topics include the management world in the 21st century and defining IHRM; cultural factors that influence international management; economic development and international management; motivation, leadership and IHRM strategy, function and practice in the cross-national context; the expatriate experience; and special issues and best practices in IHRM.

A cornerstone of this course is the development of a global mindset and perspective. Learners will work in groups to identify and consider international issues from a variety of viewpoints, including stakeholder groups (e.g., managers, HRM practitioners, employees) and specific cultures and countries.

Prerequisite(s): A minimum 'C' grade in BUSM 2200, INTB 2000, and CMNS 2228; and 54 credits including minimum C grades in an additional 6 credits of university-transferable ENGL or CMNS; or permission of the department.

### **INTB 3500 (3 CREDITS) (4:0:0)**

#### **International Law**

Students are provided with an introductory understanding of the formation, sources, and application of international law; international personality; jurisdiction of states; the law of treaties; the International Court of Justice; state responsibility; substantive international obligations regarding human rights; the use of force by states; the law of the sea and environment; and international criminal law.

Prerequisite(s): Completion of a minimum 54 credits including INTB 2000 with a minimum 'C' grade, BUSM 1285 with a minimum 'C' grade, and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or

department permission.

Note: Students will receive credit for only one of INTB 2400 and INTB 3500.

### **INTB 4100 (3 CREDITS) (4:0:0)**

#### **International Logistics**

This course provides an introduction to the management of distribution, logistics, and global supply chain management and demonstrates how these functions are meshed into a co-ordinated and efficient corporate operation.

Topics include channel planning and management; determining the optimum distribution channel; international logistics management in managing Canada's international trade; trends in international logistics and transportation; and alternative modes of international logistics and transportation. Alternative transportation methods will also be reviewed focusing on the need for intermodality, lower cost and speed, and the support functions and institutions that facilitate international logistics and transportation.

Prerequisite(s): Completion of a minimum 54 credits including INTB 2000 and 6 credits of university-transferable English or Communications with a minimum 'C' grade or permission of the department.

Note: Students will receive credit for only one of INTB 2435 and INTB 4100.

### **INTB 4200 (3 CREDITS) (4:0:0)**

#### **International Business Strategy**

This course reviews the implications and developments in the globalization of business; shows how the increase in world trade results in intense competition and greater complexity in doing business; examines trends emerging from globalization and their implications for corporate strategy; describes global strategic intent, its mission and explains its value in responding to international business; and expands the knowledge of international business and strategic management processes. The course also expands on international innovation, environment sustainability, and corporate responsibility.

Prerequisite(s): Completion of a minimum 54 credits including INTB 2000 with a minimum 'C' grade and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

### **INTB 4220 (3 CREDITS) (4:0:0)**

#### **International Financial Management**

This course provides an introduction to the nature and characteristics of the international financial environment, including the core principles of international economics, foreign exchange, risk management, and international financial markets. The course examines how international banking and other financial institutions facilitate trade and commerce inside and outside national boundaries; provides strategies for financing international operations, and shows students how to appraise risk on both a global and national basis.

Prerequisite(s): Completion of 54 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department. As this course deals with advanced business topics, some first- and second-year coursework in business is highly recommended. MATH 1119 or 1118 and ECON 1220 or 1221 are also recommended.

Note: Students will receive credit for only one of INTB 2330 and INTB 4220.

## Japanese

### (JAPN)

Students with a 'C' or higher grade in a Japanese course cannot repeat the same course without departmental permission.

(NOT ALL JAPANESE COURSES ARE OFFERED EVERY SEMESTER.)

#### JAPN 1115 (3 CREDITS) (3:0:1)

##### Beginner's Japanese I

An introduction to foundational Japanese. Emphasis is placed on grammar, syntax, and writing, as well as aural/oral practice. Initially students will learn to read and write the hiragana syllabary followed by the katakana syllabary. Upon successful completion of the course, students will be able to understand and formulate basic sentences in speech and writing.

Note: This course is not designed for native speakers of Japanese. Students with a background in Japanese are required to write a placement test before registering in JAPN 1115.

#### JAPN 1117 (3 CREDITS) (3:0:1)

##### Intermediate Japanese I

A continuation of the foundational Japanese learned in JAPN 1215. Students will learn to read and write an additional 100 kanji (Chinese characters) bringing the total to 200 kanji. With continued emphasis on foundational Japanese, students will be able to engage in basic conversations and write short essays in standard essay style, upon successful completion of the course.

Prerequisite(s): JAPN 1215

#### JAPN 1205 (3 CREDITS) (3:0:1)

##### Japanese Conversation

This course is offered as a complement to the foundation courses in Japanese, focusing on oral practice (pronunciation, stress and intonation), and interactive conversations based on practical situations from everyday life in Japan with emphasis on polite forms of speech. The socio-cultural aspects of given situations are covered in demonstrations, role-playing, and audio-visually. This course is intended for students who wish to review, practice or maintain their foundational knowledge of Japanese or for those who have a one or more semester gap before registering in second year Japanese courses.

Prerequisite(s): JAPN 1115 with a minimum of a 'C' grade.

Corequisite(s): JAPN 1215 or JAPN 1117 or JAPN 1217.

#### JAPN 1215 (3 CREDITS) (3:0:1)

##### Beginner's Japanese II

A continuation of the foundational Japanese learned in JAPN 1115. Students will learn approximately 100 kanji (Chinese characters). Upon successful completion of the course, students will be able to formulate, orally or in writing, simple conversations or narratives based on ordinary daily situation.

Prerequisite(s): JAPN 1115

Note: Due to the complicated nature of the grammar and writing system, beginning students should be aware that learning Japanese may require more study hours and a longer time frame than would be normal to master a European language.

#### JAPN 1217 (3 CREDITS) (3:0:1)

##### Intermediate Japanese II

A continuation of the foundational Japanese learned in JAPN 1117. An additional 100 kanji (Chinese characters) will be learned bringing the total to 300 kanji. Upon successful completion of the course, students will be able to engage in in-class debates and write short essays about personal goals, opinions, or social/cultural observations.

Prerequisite(s): JAPN 1117

#### JAPN 2227 (3 CREDITS) (3:0:1)

##### Classical Japanese Literature in Translation I

This a survey course featuring works, from the earliest times to the mid-eighteenth century, in English translation. Japanese poetry, poetic diaries, the development of the novel, and the traditional theatres of Noh, Kabuki and Bunraku will be studied against the appropriate historical, cultural and sociological background. Emphasis will be placed on The Tale of Genji, which has influenced literature and the arts in Japan up to the present time.

Prerequisite(s): ENGL 1127 or ENGL 1128 with a minimum 'C+' grade and ENGL 1129 or ENGL 1130.

#### JAPN 2237 (3 CREDITS) (3:0:1)

##### Classical Japanese Literature in Translation II

JAPN 2237 is the continuation of JAPN 2227. This is a survey course featuring works, from the earliest times to the mid-eighteenth century, in English translation. Japanese poetry, poetic diaries, the development of the novel, and the traditional theatres of Noh, Kabuki and Bunraku will be studied against the appropriate historical, cultural and sociological background. Emphasis will be placed on The Tale of Genji, which has influenced literature and the arts in Japan up to the present time.

Prerequisite(s): JAPN 2227

## Journalism

### (JOUR)

All Journalism courses except JOUR 1100 are restricted to students enrolled in the Journalism Program.

#### JOUR 1100 (3 CREDITS) (3:1:0)

##### Introduction to the News Media

This course introduces students to the role and function of the news media in a modern society, its important effects on people's lives, and its current challenges. It explores the role of the news media in enabling citizens to make informed decisions in a democratic society, and how well the media is fulfilling that role. It also examines basic journalism values such as accuracy, impartiality, and ethics. This course would be useful to students considering becoming journalists, planning studies related to mass media, or to those pursuing a career in business, law, public service, entertainment or other professions in the public eye. This course does not teach journalism skills.

Prerequisite(s): LET level 3; LPI with a minimum 26 on the essay and one of 5 in English usage, 5 in sentence structure, or 10 in reading comprehension; BC English 12 or equivalent with a minimum 80%; BC English Literature 12 with a minimum 80%; a university-level English course for which Langara College awards transfer credit, with a minimum 'C' grade; or an 'S' in one of ENGL 1107, 1108, or 1110.

Note: This course is open to non-journalism program students.

#### JOUR 1120 (3 CREDITS) (2:0:2)

##### Journalism Research

A practical introduction to how to find information on people, government and corporations. Topics include library research, on-line databases, freedom of information laws and interviewing techniques.

#### JOUR 1128 (3 CREDITS) (2:1:1)

##### Fundamentals of Reporting

Writing basic news stories and features; interviewing news sources; researching and reporting a variety of general-assignment news stories.

#### JOUR 1140 (3 CREDITS) (2:0:2)

##### Copy Editing

Students will be introduced to basic copy editing skills, focusing on newspaper style. Major topics include role of the copy editor, news values, language skills, copy editing techniques, Canadian Press style, and headline and caption writing. Many of the editing assignments will be done in lab under deadline pressure.

#### JOUR 1168 (2 CREDITS) (2:0:1)

##### Photo Journalism

The students develop skills and concepts required to produce professional photographic news reports and photo essays, including combining words, still or multiple images and designs to tell a story. They learn the fundamentals of multimedia photojournalism for the Internet.

#### JOUR 1177 (3 CREDITS) (2:1:2)

##### Newspaper Design and Layout

This course is an introduction to typography, newspaper design and QuarkXPress computer software. Students will learn to design newspaper pages that attract the reader's interest and convey information quickly and clearly. Applying these principles, students will create pages using the software QuarkXPress.

#### JOUR 1178 (5 CREDITS) (0:1:11)

##### Multi-Media Production I

(Formerly: Newspaper Production I)

Students will write news and feature stories, take photos, and create news videos for multi-media platforms, including the program's weekly newspaper, The Voice, and its website.

#### JOUR 1188 (2 CREDITS) (2:0:0)

##### Media and Society I

An examination of the importance of journalism in western society and the Anglo-American tradition of press freedom, with special attention to landmark events in Canada, Britain and the United States.

#### JOUR 1195 (0 CREDITS) (0:0:0)

##### Special Topics I

This number is reserved for Journalism courses that may be offered from time to time by: a) College Journalism Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Journalism or Business Communications lecturers.

Prerequisite(s): Must be enrolled in the Journalism Program, unless otherwise indicated in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding JOUR 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

#### JOUR 1242 (2 CREDITS) (2:0:0)

##### Specialty Writing

Writing for the specialty pages of the newspaper with an emphasis on critical writing, including editorial and personal opinion writing, entertainment reviews, and sports reporting. Students will apply techniques used by specialized journalists to sharpen writing and reporting skills.

#### JOUR 1298 (2 CREDITS) (2:0:1)

##### Broadcasting I

An introduction to broadcast journalism, with emphasis on the skills needed for radio. Topics include writing for the spoken word, on-air voice delivery, the selection of interview clips, and the line-up of newscasts. Students produce, voice, and edit their stories on audio tape.

#### JOUR 2228 (2 CREDITS) (2:0:0)

##### Journalism Law

An examination of the legal system as it pertains to journalism. An introduction to covering the courts and to the laws that affect the working journalist, including libel, contempt of court, freedom of information and privacy.

#### JOUR 2278 (6 CREDITS) (0:2:14)

##### Multi-Media Production II

(Formerly: Newspaper Production II)

As editors, students will assign stories, photos and videos, copy edit and do layout and design for multi-media platforms, including the program's weekly newspaper, The Voice, and its website.

### JOUR 2295 (0 CREDITS) (0:0:0)

#### Special Topics II

This number is reserved for Journalism courses that may be offered from time to time by: a) College Journalism Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Journalism or Business Communications lecturers.

Prerequisite(s): Must be enrolled in the Journalism Program, unless otherwise indicated in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding JOUR 2295 offerings will be made in the *Registration Guide* and *Course Schedule*.

### JOUR 2328 (1 CREDIT) (1:1:0)

#### Journalism Ethics

An examination of the role and responsibility of the news media, including credibility, conflict of interest, taste, press councils and accountability.

### JOUR 2358 (3 CREDITS) (1:3:1)

#### Daily Paper Writing

A laboratory for writing to daily paper standards under deadline pressure.

### JOUR 2378 (3 CREDITS) (2:2:0)

#### Advanced Reporting

Covering public affairs including the police, city hall, labour and education beats. Emphasis is on reporting for newspapers.

### JOUR 2398 (3 CREDITS) (2:2:0)

#### Broadcasting II

Designed to teach the basic skills of television reporting. Topics include telling a story with pictures, on-air performance, voice overs, writing to pictures, and the selection of interview clips. Students produce, shoot, and edit their stories on video tape.

### JOUR 2418 (3 CREDITS) (1:4:0)

#### Corporate Communications

Promotional and marketing writing, including audio-visual script-writing, the media kit and employee publications. For students interested in the world of public relations and corporate communications.

Note: (Option, offered if numbers warrant)

### JOUR 2430 (3 CREDITS) (2:0:2)

#### Magazine Production

Working as a team, students will edit and produce the annual Langara Journalism Review, focusing on contemporary issues

in journalism. Students will learn about editorial planning, budgeting, advertising, circulation, production and printing. This course also looks at the magazine industry in Canada.

### JOUR 2458 (3 CREDITS) (2:2:0)

#### Magazine Feature Writing

Writing for magazines: generating and selling ideas; freelancing; understanding the industry. In-depth and profile writing.

### JOUR 2459 (6 CREDITS) (0:0:16)

#### Fieldwork/Print

Internship in the print media for five consecutive weeks in the fourth term. Graded S/U.

Note: (Option for JOUR 2469)

### JOUR 2467 (3 CREDITS) (0:1:5)

#### Special Print Project

Working under faculty supervision, students will successfully complete a substantial piece of public affairs journalism suitable for publication in a newspaper or magazine. Project requires faculty approval.

Note: (Option for JOUR 2468)

### JOUR 2468 (3 CREDITS) (0:1:5)

#### Special Broadcast Project

Working under faculty supervision, students will successfully complete a substantial piece of public affairs journalism suitable for radio or television. Project requires faculty approval.

Prerequisite(s): JOUR 2398

Note: (Option for JOUR 2467)

### JOUR 2469 (6 CREDITS) (0:0:16)

#### Fieldwork/Broadcast

Internship in the broadcast media for five consecutive weeks in the fourth term. Graded S/U.

Note: (Option for JOUR 2459)

### JOUR 2488 (2 CREDITS) (2:0:0)

#### Media and Society II

An examination of contemporary media models and issues, ranging from community media to world media systems; critical issues facing today's journalist; future roles and trends in communication systems.

## Latin

(LATN)

### LATN 1101 (3 CREDITS) (3:1:0)

#### Latin and Greek Roots

An introduction to the meanings and uses of Greek and Latin root words in the English language. Students of all disciplines will find this a practical means of enhancing their comprehension and extending their application of English. They will master the meaning and spelling of technical vocabulary in a wide range of academic subjects while they learn to appreciate and enjoy language and its subtleties.

### LATN 1115 (3 CREDITS) (3:1:0)

#### Beginner's Latin I

An introduction to the nature and structure of the Latin language; reading of simple texts. This course will be especially interesting to students in Classical Studies, Medieval History, Comparative Literature, the Romance languages, Religious Studies, and Philosophy. It will also be useful to students in the Sciences.

### LATN 1117 (3 CREDITS) (3:1:0)

#### Beginner's Latin II

An introduction to the nature and structure of the Latin language; reading of simple texts. This course will be especially interesting to students in Classical Studies, Medieval History, Comparative Literature, the Romance languages, Religious Studies, and Philosophy. It will also be useful to students in the Sciences.

Prerequisite(s): LATN 1115 or instructor's permission.

### LATN 2225 (3 CREDITS) (4:0:0)

#### Intermediate Latin I

This course is a continuation of LATN 1117. Students will continue to learn Latin grammar, and at the same time will begin to read Latin prose and poetry.

Prerequisite(s): LATN 1117 or instructor's permission

### LATN 2227 (3 CREDITS) (4:0:0)

#### Intermediate Latin II

This course is a continuation of LATN 2225. Greater emphasis will be put on reading Latin prose and poetry: Cicero and Catullus and others.

Prerequisite(s): LATN 2225 or instructor's permission.

## Latin American Studies

(LAMS)

### LAMS 1100 (3 CREDITS) (3:1:0)

#### Introduction to Latin America

This course considers the environmental and institutional foundations as well as the developmental processes of Latin America using an interdisciplinary approach.

### LAMS 1101 (3 CREDITS) (3:1:0)

#### Introduction to Latin American Culture

This course considers the developmental processes and cultural dynamics of contemporary Latin America from an interdisciplinary perspective.

### LAMS 1105 (0 CREDITS) (3:0:0)

#### Lecture Series

This is a non-credit, non-fee course. It is a one-semester series of lectures on Latin American Studies. A minimum of four lectures and a maximum of 12 will be offered during the semester.

Note: Requirement for the Diploma in Latin American Studies.

### LAMS 2203 (3 CREDITS) (4:0:0)

#### Latin America: History

A broad survey of Latin American history beginning with the European roots and continuing with the conquest, the institutions of the Hispanic empire in America, independence, revolution, and the contemporary era.

Prerequisite(s): At least one Latin American Studies program course or permission of the instructor.

### LAMS 2204 (3 CREDITS) (4:0:0)

#### Latin America: Literature

Hispanic civilization and culture through literature, beginning with seventeenth century peninsular Spanish literature and continuing on to twentieth century Hispanic American writing. Texts will illustrate characteristic themes, problems and institutions of the Spanish speaking world.

Prerequisite(s): At least one Latin American Studies program course or permission of the instructor.

### LAMS 2206 (3 CREDITS) (3:1:0)

#### Latin America in a Globalized World

This course explores how globalization and policies of financial, trade, and investment liberalization are affecting Latin America and examines the role played by international institutions and multilateral organizations in shaping the political economy of the region. Case studies will be used to examine changes within rural and urban sectors, changing labour and migration patterns and to illustrate how Latin Americans are responding to these changes at the local, community and national levels.

Prerequisite(s): Any one of AHIS 1117, ANTH 1160, ANTH 2230, ANTH 2270, ECON 2255, GEOG 1170, GEOG 2270, LAMS 1100, LAMS 1101, LAMS 2203, LAMS 2204, LAMS 2221, POLI 1100, POLI 1140, POLI 1145, POLI 1160, POLI 1250, POLI 2240, SPAN 1115, SPAN 1118, SPAN 1205, SPAN 1215, SPAN 1218, SPAN 2119, or SPAN 2219; or permission of the instructor.

### LAMS 2221 (6 CREDITS) (4:0:0)

#### Latin America: Regional Field Studies

A one-semester interdisciplinary course that includes a field component and provides students with an opportunity for in-depth study of one particular region country in Latin America. This course combines conventional, lecture-based instruction with experiential learning. Students will be immersed in Latin American culture and society during several weeks of study and travel within a particular country. Field experiences complement lectures, seminars, and readings. Evaluation is based on exams, assignments, and projects. Students will be expected to undertake field oriented assignments while in Latin America and learn basic field research techniques. This course is team-taught by instructors from social sciences and humanities. Regional focus and country of study varies from year to year.

Prerequisite(s): At least one Latin American Studies program course or permission of the instructor. First year college level Spanish or equivalent strongly recommended.

## Library

(LIBR)

Library (LIBR) courses are restricted to students enrolled in the Library and Information Technology Program. The courses may be made available to other students on a space-available basis, with permission of the Department Chair.

### LIBR 1111 (3 CREDITS) (3:1:0)

#### Information Retrieval Tools & Techniques

An introduction to how information is organized and retrieved with particular reference to library and information resources and databases. Students gain hands-on experience and skill in standard software programs used for communication and information retrieval.

### LIBR 1118 (3 CREDITS) (3:0:1)

#### Techniques I

Cataloguing procedures, including choice of main and added entry headings, descriptive cataloguing, and derivative cataloguing.

### LIBR 1120 (3 CREDITS) (4:0:0)

#### Philosophy and Functions

History of books and libraries, as well as current trends and issues in the library world.

### LIBR 1195 (3 CREDITS) (3:1:0)

#### Special Topics I

This number is reserved for Library & Information Technology courses that may be offered from time to time by: a) Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Lecturers.

Note: Announcements regarding LIBR 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

### LIBR 1219 (3 CREDITS) (0:0:11)

#### Field Work I

Building resources for networking and employment through visits to libraries and related industries; researching the work place, including role of the library technician; career/job search preparation. Two weeks of practicum follow the final examination period in April. A one-day class colloquium follows the practicum.

Prerequisite(s): At least two Library Techniques courses, which may be taken concurrently: LIBR 1118, 1228, 2328, and 2418. (LIBR 1118 and 2418 must have been taken within the last 3 years, or with department approval.)



### **LIBR 1228 (3 CREDITS) (4:0:0)**

#### **Techniques II - Acquisitions & Technical Services**

Technical services, including MARC, selection aids and collection development, acquisitions, bibliographic searching, processing, circulation, serials control, government publications.

Note: Credit will be given for only one of LIBR 1228 and LIBR 1218 (discontinued course).

### **LIBR 1295 (3 CREDITS) (4:0:0)**

#### **Special Topics II**

This number is reserved for Library & Information Technology courses that may be offered from time to time by: a) Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Lecturers.

Note: Announcements regarding LIBR 1295 offerings will be made in the *Registration Guide* and *Course Schedule*.

### **LIBR 1395 (3 CREDITS) (4:0:0)**

#### **Special Topics: Creating and Managing Digital Collections**

The key elements of managing digital collections are explored through discussion, hands-on practice, and project based activities. Topics covered include project development, selection and electronic processing of materials, copyright, description (cataloguing and metadata), electronic access and preservation.

Prerequisite(s): LIBR 1111 taken within the last 3 years, or with department approval.

### **NEW LIBR 1495 (3 CREDITS) (4:0:0)**

#### **Special Topics: Enhancing Library Web Pages with Media, Mashups and Social Software**

Participants in this course will learn simple techniques for creating and adding media (audio and video) to library websites, and for incorporating social software and Web 2.0 tools and applications into library web pages. Emphasis will be placed on creating engaging and effective library web pages for patrons and staff. Participation, collaboration, and networking with other course participants will be integral to success in this course. The final course grade will be based on self, peer, and instructor evaluation of course contributions, activities, and project website.

Prerequisite(s): LIBR 1111 or department approval.

Note: Students will receive credit for only one of LIBR 1495 or LIBR 1295 that was offered in Spring Semester 2010.

### **LIBR 2195 (3 CREDITS) (3:0:1)**

#### **Special Topics: Specialized Library Resources**

An in-depth exploration of resources and services for libraries in the Business, Technology, Legal and Medical sectors.

Prerequisite(s): One of LIBR 1118, 1111, 1120, 2416, or 2328

### **LIBR 2295 (3 CREDITS) (4:0:0)**

#### **Special Topics: An Introduction to Records Management**

This course offers a general overview of records management and an introduction to its theory and practice.

### **LIBR 2315 (3 CREDITS) (4:0:0)**

#### **Media Materials**

Introduction to the handling, organization, and cataloguing of non-book materials including audio and video tape, pictures, cartographic materials, computer files etc., basic selection, operation, and maintenance of audio-visual hardware.

Prerequisite(s): Both LIBR 1118 and LIBR 2418 taken within the last 3 years, or with department approval. LIBR 2418 may be taken concurrently.

### **LIBR 2328 (4 CREDITS) (4:0:3)**

#### **Techniques III**

Theory and practice of subject analysis, learning to apply Library of Congress, Sears, and other specialized subject headings and to apply Library of Congress and Dewey Decimal classification numbers to library materials.

Note: This course is for students in the Library & Information Technology program.

### **LIBR 2395 (3 CREDITS) (4:0:0)**

#### **Special Topics: Young Adult Services**

Basic training and familiarity with the literature, programs and services for young adults in public libraries.

### **LIBR 2410 (3 CREDITS) (3:1:0)**

#### **Children's Services**

History, evaluation and acquisition of children's literature; library services for children; programming including puppeteering and story-telling.

### **LIBR 2411 (3 CREDITS) (3:0:1)**

#### **Library Technologies and Information Management**

(Formerly: Electronic Information Handling)

Information storage organization and retrieval; and provision of library services, including bibliographic database development, WWW site creation, search strategy and use of online databases; current issues in electronic information service.

Prerequisite(s): LIBR 1111 taken within the last 3 years, or with department approval.

### **LIBR 2416 (3 CREDITS) (4:0:0)**

#### **Reference Resources and Services** (Formerly: Readers' Services)

Reference service, including basic tools in both print and electronic form, such as encyclopedias, dictionaries, almanacs, indexes, etc.; interlibrary loans; dealing with reference queries and the public.

### **LIBR 2418 (3 CREDITS) (4:0:0)**

#### **Techniques IV - MARC Coding & Derived Cataloguing**

Creation and manipulation of MARC (machine readable cataloguing) records for online catalogues. Identification, capture, import and modification of catalogue records from bibliographic sources online and on CD-Rom.

Prerequisite(s): LIBR 1118 taken within the last 3 years, or with departmental permission.

### **LIBR 2419 (3 CREDITS) (0:0:10)**

#### **Field Work II**

Four weeks following the fourth term examinations gaining practical experience working in a library. A one-day class colloquium follows the practicum period. Evaluation is done by both the program co-ordinator and the library supervisor. Graded S/U.

Prerequisite(s): LIBR 1219, 2328, 2315 and 2416 (LIBR 2328, 2315 and 2416 may be taken concurrently).

### **LIBR 2495 (3 CREDITS) (2:2:0)**

#### **Special Topics: Supervisory Skills**

This course provides students with an understanding of what it means to be a supervisor and prepares them to take on supervisory roles. Problem solving, decision making, coaching, performance assessment, labour relations and interpersonal skills

and knowledge will be developed through the examination of work environments in a library situation.

### **NEW LIBR 2595 (3 CREDITS) (4:0:0)**

#### **Special Topics: Aboriginal Reference Resources and Services**

This course is a survey of key resources, tools, and services used to support the specialized information needs of Aboriginal libraries, collections, and communities. Staff, working in a variety of library settings, are provided with the necessary knowledge, background, and insights for working with, providing services and building collections for our Aboriginal customers and communities. The topics surveyed include government, legal, health, and genealogical resources. For each topic, key resources and issues will be identified and explored. Also included is an important unit on treaty rights and negotiations, and other matters related to government.

Note: Students will receive credit for only one of LIBR 2595 and LIBR 1195 that was offered in Spring Semester 2010.

### **LIBR 3210 (3 CREDITS) (2:1:1)**

#### **Online Research and Analysis**

This course focuses on effective methodologies to research, consult, and report on information resource findings in an online environment. Students will retrieve and evaluate information in discipline-related research, services, programs, and policies from formal and informal online sources. Students will be able to evaluate and select suitable resources that illustrate potential "best practices" and recognize circumstances requiring exhaustive versus exemplary research. Utilizing a variety of technologies, students will develop strategies to maintain currency in both technology literacy and the literature of the specific discipline. Research findings will be summarized in a report with recommendations and posted in an online environment for review by peers and other stakeholders.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

Note: Library & Information Technology students cannot use the course to meet program requirements.

## **Marketing**

### **(MARK)**

#### **MARK 1115 (3 CREDITS) (3:1:0)**

##### **Introduction to Marketing**

This course examines the basic elements of marketing including target markets, product, price, distribution and promotion in domestic and international markets with brief comparisons between the public and private sectors.

#### **MARK 1200 (3 CREDITS) (4:0:0)**

##### **Selling Skills (Formerly: Selling Skills I)**

This course exposes students to the principles of professional selling. The focus is on relationship and needs-based selling in a business-to-business environment. It prepares students for a range of life skills such as interviewing for jobs or "selling" ideas within their organizations. The course also focuses on understanding customer and sales representative behaviour in a selling environment as well as learning about prospecting, different forms of presentations, objection handling, and various closing techniques. Students will apply their skills by selling advertising for the Pacific Rim magazine.

Prerequisite(s): MARK 1115, or permission of the Department.

Note: Students will receive credit for only one of MARK 1218 and MARK 1200.

#### **MARK 1250 (3 CREDITS) (3:1:0)**

##### **Integrated Marketing Communications**

This course builds on the essential marketing concepts by focusing on the promotional elements in marketing strategy known as Integrated Marketing Communications. Topics include effective integration of advertising, direct/internet marketing, sales promotion, public relations, event marketing and personal selling. Students will be comfortable evaluating the strengths and weaknesses of each element of the promotion mix and be able to recommend the appropriate mix for a given situation. In addition, students will cover the role of IMC, the IMC strategic planning process, budgeting, creative development, media strategy, execution and evaluation. The material will be taught using lectures, case studies, guest speakers and assignments.

Prerequisite(s): MARK 1115, or permission of the Department.

#### **MARK 2000 (3 CREDITS) (4:0:0)**

##### **E-Commerce and Distribution**

This course introduces business students to the role of the Internet in marketing and distribution. It identifies and explains the challenges and critical success factors in the effective use of the Web as a distribution and marketing tool. Topics include an analysis of the structural changes occurring in Canadian distributions; the role and functions of channel institutions; issues in distribution channel management; the integration of distribution and the Web in marketing mix; the strategic positioning of a business; Web presence; and the logistics involved in managing an Internet marketing-based business.

Prerequisite(s): MARK 1115

Note: Students will receive credit for only one of BUSM 2000 and MARK 2000.

#### **MARK 2100 (3 CREDITS) (3:1:0)**

##### **Marketing Research**

This course examines contemporary research methods employed in business. Emphasis is placed on understanding the process of business research and how it relates to hypothesis development, problem investigation, and management questions. The major tools and techniques in primary and secondary research are examined with special emphasis on the Internet as an effective research tool.

Note: Students will receive credit for only one of MARK 2327 and MARK 2100.

#### **MARK 2200 (3 CREDITS) (3:0:1)**

##### **Marketing Communications Design**

This introductory computer course builds on the design skills acquired in MARK 2400 Advertising and Design and introduces the student at a basic level to the Adobe Creative Suite, which includes Adobe Photoshop, Illustrator, and the new InDesign page layout program. The emphasis is on acquiring entry-level abilities in the MacIntosh environment in order to combine text, graphics, and photos. The course is project based and students will create a brochure and a newsletter for their portfolio. The material will be taught in the lab with lectures and focus on practical assignments.

Prerequisite(s): MARK 1115, or permission of the Department.

### **MARK 2400 (3 CREDITS) (4:0:0)**

#### **Advertising**

This course introduces advertising theory and practice and its role within Marketing Communications. Topics include the role of advertising, advertising plans/strategies and a detailed analysis of media such as newspapers, magazines, radio, television and out of home.

Prerequisite(s): MARK 1115, PUBL 1115, or permission of the department.

Note: Students will receive credit for only one of MARK 2323 and MARK 2400.

### **MARK 2430 (3 CREDITS) (3:1:0)**

#### **Marketing Planning**

This course provides the students with the opportunity to apply marketing principles to develop a formal marketing plan for a product/service. In teams, the students participate in a marketing simulation using computer-based management systems to make marketing strategy decisions. Students integrate marketing strategy decisions with other aspects of business strategy including societal considerations and business ethics.

Prerequisite(s): Completion of a minimum of 30 credits including FMGT 1116 or 2293; MARK 1115; or permission of the department.

Note: As this course is a capstone course for the Marketing Management program, students should take this course in their last semester of study after having completed most of their diploma courses.

### **MARK 3100 (3 CREDITS) (3:1:0)**

#### **Special Events Planning and Marketing**

This course will introduce students to the exciting industry of Event Marketing and Sponsorship including social functions, domestic and international trade shows, conferences, and major conventions. The course will examine the strategic reasons why organizations participate in event marketing and sponsorship activity in both the domestic and international marketing environment. In addition, students will be exposed to the tactics used in the pitching, designing, planning, marketing, managing, budgeting, execution and evaluation of events. Students will gain experience practicing the skills that are required in event management and execution including business development, proposal writing, event design, budgeting, venue selection, catering, determining audio visual requirements, security, risk management,

and more. The course is taught using a series of seminar type lectures, group work and individual assignments and a major project.

Prerequisite(s): Completion of a minimum of 54 credits including MARK 1115 with a minimum 'C' grade and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or department permission. For students in the fourth term of the Display + Design Program, completion of MARK 1115, DDSN 2348, and 6 credits of university-transferable English or Communications with a minimum 'C' grade will be deemed to be equivalent to the above.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

Students will receive credit for only one of MARK 3100 and MARK 2350.

### **MARK 3200 (3 CREDITS) (4:0:0)**

#### **Consumer Behaviour**

This course intends to provide students with a strategic overview of Consumer Behaviour Theory and to demonstrate how this theory can be used to set marketing strategy and achieve overall corporate goals. The course will introduce students to both the internal and external influences on a consumer's decision to buy a product or service. The course looks at consumers as individuals and as part of society. Students will gain first-hand experience uncovering "consumer insights" in order to develop marketing strategies. This course will be taught using lectures, case studies, guest speakers and group and individual assignments.

Prerequisite(s): Completion of a minimum of 54 credits including MARK 1115 with a minimum 'C' grade and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or department permission.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

### **MARK 3210 (3 CREDITS) (3:0:1)**

#### **Web Design and E-Commerce**

To succeed in today's economy, companies must incorporate the Internet into their marketing strategies. This course examines the role of the Web today and how to optimize the use of e-marketing. The course provides students with the fundamental principles and techniques for designing and developing effective websites for promotional, distribution, and interactive communication. Students will learn the basics of information design and usability, and will learn the fundamentals of website development using Macromedia Dreamweaver MX2004. All students will have their own domains by the end of the course.

Prerequisite(s): Completion of a minimum of 54 credits including MARK 1115 with a minimum 'C' grade and 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

### **MARK 3250 (3 CREDITS) (2:2:0)**

#### **Public Relations**

This course provides students with an understanding of the role public relations plays within a variety of organizations. This course is aimed at preparing students to identify key stakeholder groups for a company and design programs for these groups. Students will practice using the public relations "tools of the trade." The material will be taught using lectures, case studies, guest speakers and group/individual assignments.

Prerequisite(s): Completion of a minimum 54 credits including MARK 1115 with a minimum 'C' grade, and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

Students will receive credit for only one of MARK 3250 and MARK 2450.

### **MARK 3400 (3 CREDITS) (4:0:0)**

#### **Retail Marketing**

This course covers the principles and practice of strategic retail marketing and orients students to the dynamic and competitive nature of the industry. Topics include contemporary issues in retail including in-store and non-store retailing, e-tailing, managing the retail operations, supplier relationships, pricing, merchandising, retail advertising, sales promotion, sales techniques, inventory management and control, and store design and location.

Prerequisite(s): Completion of a minimum 54 credits including MARK 1115 with a minimum 'C' grade, and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

### **MARK 4100 (3 CREDITS) (4:0:0)**

#### **Business to Business Marketing**

The course focuses on the elements that make up effective distribution channels from the raw material supplier to the final consumer. Channel management topics include the role of buyers, competitive bidding, pricing, terms of sale, channel structure, designing the marketing channel, channel relationships and responsibilities, selecting the channel members, and physical distribution and transportation. The course also examines why effective inter-organizational relationships and partnerships are needed to efficiently manage the flow of materials and information between members of the distribution channel. This course further develops students' skills in the Marketing Function as they learn how to apply the elements of the Marketing Mix to Business to Business selling through case studies, lectures, discussions, role playing and research. This course provides students with the practical foundation they will need to become successful business marketers.

Prerequisite(s): Completion of a minimum 54 credits including MARK 1115 with a minimum 'C' grade, and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

Note: As this course deals with advanced

business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

### **MARK 4220 (3 CREDITS) (4:0:0)**

#### **Customer Relationship Marketing and Database Marketing**

This course provides students with a strategic overview of Customer Relationship Marketing and Database Marketing and how they can be used to achieve an organization's overall goals. Students will apply Customer Relationship Marketing strategies and understand the value of one-to-one marketing and how to calculate customer life-time value. Students will have a working knowledge of database marketing applications such as setting a contact strategy, approaches to segmentation, uses of predictive modelling, examples of personalization and ways to cross-sell/up-sell. The material will be taught using lectures, case studies, guest speakers and assignments.

Prerequisite(s): Completion of a minimum 54 credits including MARK 1115 with a minimum 'C' grade, and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or department permission.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

Students will receive credit for only one of MARK 4220 and MARK 2440.

### **MARK 4250 (3 CREDITS) (4:0:0)**

#### **Professional Salesforce Management (Formerly: Selling Skills II)**

This course examines the roles and responsibilities of a sales manager and the management of the sales force. Students will be introduced to the concept of personnel management as it applies to the management of the sales force. The course develops sales skills in goal setting, prioritizing and managing time and teaches techniques and strategies for successful sales negotiations: active-listening skills, questioning skills, "thinking on your feet", negotiating skills and presentation skills applicable in the domestic market and in different cultural situations. The course content is covered through case studies, lectures, discussions, role playing and research.

Prerequisite(s): Completion of a minimum 54

credits including MARK 1115 with a minimum 'C' grade, and 6 credits of university-transferable English or Communications with a minimum 'C' grade; and a minimum 'C' grade in CMNS 2228; or permission of the department.

Note: As this course deals with advanced business topics, some first- and second-year coursework in business (in addition to MARK 1115) is expected.

Students will receive credit for only one of MARK 4250 and MARK 2418.

# Mathematics

## (MATH)

For more detailed information about the Department of Mathematics and Statistics, including course outlines and advice on course selection, please visit our website at [www.langara.bc.ca/departments/mathstats/index.html](http://www.langara.bc.ca/departments/mathstats/index.html)

### Statistics Courses

For statistics courses please see the Statistics (STAT) section in this calendar.

### Duplicate Courses

In some cases, different courses cover substantially the same material but are targeted to different audiences. Credit cannot be given for more than one such course or sequence. In particular, college credit will be given for only one in each of the following sets of courses (or course sequences).

- MATH 1153/1253, or MATH 1171, or MATH 1173 or MATH 1174
- MATH 1271 or MATH 1273 or MATH 1274

### Standard Sequence

The standard sequence for students who need first-year Calculus for science and who attended secondary school in British Columbia depends on the grade they achieved in Principles of Mathematics 12 or Precalculus 12.

Those with a recent:

- 'C' or 'C-' normally take MATH 1152, 1153, 1253, and then 1271
- 'C+' normally take MATH 1170, 1171 and 1271 or 1170, 1173/1183 and 1273/1283.
- 'B' normally take MATH 1153, 1253 and 1271 or 1173/1183 and 1273/1283.
- 'A' normally take MATH 1171 and 1271 or 1173/1183 and 1273/1283

**NOTE:** Students with a 'B' or lower in Principles of Mathematics 12 or Precalculus 12 are advised to go through the Mathematics Diagnostic Test Process since this process might suggest direct entry into MATH 1171 or MATH 1173 without having to take MATH 1152 or MATH 1170.

The standard course sequence for students who need first-year Calculus for Business/Commerce and who attended secondary school in British Columbia depends on their grade in Principles of Mathematics 12 or Precalculus 12. Those with a recent:

- 'C-' or 'C' normally take MATH 1152 then 1170, 1174 and 1274.
- 'C+' normally take MATH 1170 then MATH 1174 and 1274.
- 'B' or 'A' normally take MATH 1174 and 1274

**NOTE:** Students with a 'C+' or lower in Principles of Mathematics 12 or Precalculus 12 are advised to go through the Mathematics Diagnostic Process since this process might suggest direct entry into MATH 1174 without having to take MATH 1152 or 1170.

**NOTE:** In the above, "recent" generally means the Principles of Mathematics 12 or Precalculus 12 course was completed within the last three years.

### Prerequisites

Prerequisites for courses in Mathematics are valid for only three years. Students wanting to register in a course for which the prerequisite was taken more than three years ago will require departmental permission. Students may be required to go through a diagnostic process (see below) or to "upgrade" the prerequisite.

**NOTE:** MATH 1115, 1119 and 1120 have no formal prerequisite; however, experience has shown that success in these courses is unlikely without recent, successful completion of the BC Mathematics 10 course or its equivalent. (Some of these courses, particularly MATH 1120 demand a better background than Mathematics 10 due to the requirements of the career programs of which they are a part.)

### Repeating a course

A Mathematics course may be taken only twice, regardless of the grade earned in the first enrolment. The department chair, or delegate, will decide on exceptions to this rule, usually on the basis of documented evidence of upgraded prerequisites.

### Diagnostic Tests

The Mathematics Diagnostic Tests (MDT) are part of an assessment process designed to identify the mathematics or statistics course that is most appropriate in view of a student's background, current abilities, and future needs. The tests consist of a collection of multiple-choice questions involving basic mathematical skills, algebra, geometry, trigonometry, reading, and problem-solving. These questions are designed to assess readiness for each of MATH 1101, 1150, 1152, 1153, 1170, 1171, 1173, 1174 and 1190 and some Statistics courses (see also the STAT section of this Calendar). Immediately after writing the test, each student meets with a departmental advisor to consider the student's most recent transcripts, the current test results, and a short background survey. Students should go through this process if they wish to register in one of the above courses but do

not have the background described below. Students can take part in this process only once in any given twelve month period and the results are valid for three years. For more information, including some sample questions and review materials, visit our website and search "Math Diagnostic Test." Students do not have to write the test if they have:

- recently completed a prerequisite Langara College Mathematics course with the grade required by the course they want to register in.
- a recent 'A' grade in Principles of Mathematics 12 or Precalculus 12 and want MATH 1171
- a recent 'B' grade in Principles of Mathematics 12 or Precalculus 12 and want MATH 1153 or 1173 or 1174
- a recent 'C+' grade in Principles of Mathematics 12 or Precalculus 12 and a recent 'C-' grade in BC Provincial Calculus 12 and want MATH 1153 or 1171 or 1173 or 1174
- a recent 'C+' grade in Principles of Mathematics 12 or Precalculus 12 and want MATH 1170
- a recent 'C-' grade in Principles of Mathematics 12 or Precalculus 12 and want MATH 1152
- a recent 'C' grade in Principles of Mathematics 11 or Precalculus 11 and want MATH 1150 or 1118 or 1190 or STAT 1124

"Recent" means within the previous three years.

Students who are currently enrolled in, or have completed, a Langara College Mathematics course are not normally permitted to take the MDT. A schedule of when the tests can be written for the upcoming semester and information about registering for the test is available at the website mentioned above. See the Statistics (STAT) section in this Calendar for information on the Statistics Diagnostic Test.

**Note:** Listed below are the official Calendar course descriptions. For further information, the Department of Mathematics and Statistics maintains an instructional support website including more detailed course outlines and advice on course selection.

### MATH 1100 (3 CREDITS) (4:1:0)

#### Mathematics Skill Development

A course in the fundamentals of arithmetic (including signed numbers) for those likely to experience difficulty in elementary algebra, business mathematics or statistics. Students are guided and supported through individual work and attend regular classes on selected topics. This course does not correspond to the high school curriculum

in any way, but on completing the course students will be competent in arithmetic skills up to and including the Grade 9 level. Graded S/U.

Prerequisite(s): This course is not available to students with a 'C-' grade or better in B.C. Principles of Mathematics 12 or equivalent. An 'S' grade in this course enables students to progress to MATH 1101. An 'S' grade in this course and passing the MATH 1100 business package enables students to progress either to MATH 1115 or MATH 1118. An 'S' grade in this course and passing the additional statistics package enables students to progress to STAT 1124.

Note: May not be used as credit towards a Langara College credential.

### **MATH 1101 (3 CREDITS) (4:1:0)**

#### **Basic Algebra**

An introduction to algebra, covering the algebraic topics contained in high school courses up to and including the Grade 10 level. Content includes linear equations in one variable, word problems, integer exponents, polynomials, rational expressions, square roots, equations and graphs of lines. Graded S/U.

Prerequisite(s): Prerequisite: 'S' grade in MATH 1100 or permission of the department (based on the Mathematics Diagnostic Test). This course is not available to students with a 'C-' grade or better in B.C. Principles of Mathematics 12 or equivalent. Transfer: An 'S' grade in MATH 1101 enables a student to take MATH 1150 or STAT 1124 (in the case of STAT 1124, the STAT 1124 diagnostic test must also be successfully completed) or MATH 1118.

Note: May not be used as credit towards a Langara College credential.

### **MATH 1110 (3 CREDITS) (1:0:3)**

#### **Introduction to Computer Business Mathematics**

The main purpose of this course is to introduce students to business mathematics, especially the mathematics of finance, in such a way that they learn to use the electronic spreadsheet effectively. While its major aim is to familiarize students with important financial and other business mathematics concepts, this course makes careful use of computer science principles in teaching the design of spreadsheets.

Prerequisite(s): Principles of Mathematics 11 is recommended.

### **MATH 1115 (3 CREDITS) (3:0:1)**

#### **Introduction to Business Mathematics**

This course provides an introduction to business mathematics. It includes a review of arithmetic and basic algebra. Topics include percent, proportion, simple and compound interest, loans, mortgages, annuities, insurance and premiums, economy studies, inventories and introductory statistics.

Prerequisite(s): Recent successful completion of BC Math 10 is strongly recommended.

### **MATH 1118 (3 CREDITS) (4:0:0)**

#### **Mathematics of Finance**

An introduction to the mathematics of finance and investment including simple interest and discount, compound interest, simple and general annuities, amortization and sinking funds, depreciation and valuation of investments. Computer applications.

Prerequisite(s): Principles of Mathematics 11 with a minimum 'C' grade, Applied Mathematics 12 with a minimum 'C' grade, MATH 1101 with 'S' grade, MATD 060, or permission of the department.

### **MATH 1119 (3 CREDITS) (4:0:0)**

#### **Mathematics of Business Affairs**

Basic mathematics of everyday business affairs including simple and compound interest, promissory notes, instalment buying, trade discounts, loans, mortgages, insurance, investments.

Prerequisite(s): Recent successful completion of BC Math 10 is strongly recommended.

### **MATH 1120 (3 CREDITS) (4:0:0)**

#### **Mathematics for Professional Photography**

Review of basics. Logarithms and exponents. Introduction to percent and its trigonometry applications. Simple and compound interest. Annuities and investments. Descriptive statistics.

Prerequisite(s): Recent successful completion of BC Math 10 is strongly recommended.

### **MATH 1121 (3 CREDITS) (4:0:0)**

#### **Mathematics and Statistics for Real Estate Studies**

A course designed to provide students in the Real Estate Studies program with a review of basic mathematics, an introduction to business mathematics, annuities, graphs, and descriptive statistics. Course restricted to students in the Real Estate Studies program. This equates to the AIC course Appraisal 2200.

### **MATH 1150 (3 CREDITS) (4:1:0)**

#### **Basic and Intermediate Algebra**

A one-term course in algebra, covering most topics introduced in high school courses up to and including Principles of Mathematics 11. Content includes real number concepts, algebraic operations, linear equations and inequalities, polynomial and rational expressions, exponents, roots and radicals, quadratic equations, equations in two variables and their graphs. This course is not tied to the high school curriculum, but is designed to be a fast-paced review of many topics encountered at high school. The material is covered in greater depth, with an emphasis on speed and proficiency of algebraic manipulation, problem-solving and practical applications. The objective is to up-grade existing knowledge to the level required for college algebra.

Prerequisite(s): A minimum 'C' grade in Principles of Mathematics 11, a minimum 'C' grade in App. Mathematics 12, a minimum 'C-' grade in Principles of Mathematics 12, MATH 1101, or permission of the department (based on the Mathematics Diagnostic Test). Applications of Mathematics 11 usually does not provide sufficient preparation for MATH 1150. Students with a minimum 'C' in Principles of Mathematics 11 can enrol in MATH 1150 directly, but those with Applications of Mathematics 11 must take the Mathematics Diagnostic Test.

Note: Successful completion of MATH 1150 should prepare a student for entry into MATH 1152.

### **MATH 1152 (3 CREDITS) (4:1:0)**

#### **Precalculus Algebra**

A one-term pre-calculus course in algebra and analytic geometry necessary for studying the calculus of basic algebraic functions. It covers many but not all of the topics introduced at high school, with an emphasis on Grade 12 algebra. In particular, MATH 1152 provides a thorough review of intermediate algebra, functions and graphing, as well as an introduction to the exponential and logarithmic functions and basic triangle and trigonometry. This course is not tied to the high school curriculum, but is designed to be a fast-paced review of many topics encountered at high school. The material is covered in greater depth, with an emphasis on speed and proficiency of algebraic manipulation, problem-solving and practical applications. The objective is to up-grade existing knowledge to the level required for calculus.

Prerequisite(s): 'C-' grade or higher in Principles of Mathematics 12 or permission of the department based on the MDT Process, or completion of MATH 1150 with 'C-' or higher. Students with an 'A' or 'B' in Principles of Mathematics 11 may take MATH 1152 provided they score sufficiently highly in the MDT. Students with an 'A' or 'B' in Principles of Mathematics 12 may by-pass MATH 1152 and enrol directly into the calculus courses.

Note: Successful MATH 1152 students typically proceed into MATH 1153 or 1170, but cannot normally proceed into MATH 1171 or MATH 1173 or MATH 1174.

### **MATH 1153 (3 CREDITS) (4:0:0)**

#### **Introduction to Calculus I (Part I)**

A course in the fundamentals of differential and integral calculus with their applications, but reviewing many of the basic algebraic and geometric concepts of precalculus mathematics. Topics include algebraic skills, limits, derivatives, curve sketching, optimization, related rates, approximation, antiderivatives and linear motion.

Prerequisite(s): 'B' grade or higher in Principles of Mathematics 12, or permission of Department based on the MDT Process or completion of MATH 1152 with a 'C+' grade or higher, or MATH 1170 with a 'C-' grade or higher, or Principles of Mathematics 12 with 'C+' and Calculus 12 with 'C-'

### **MATH 1159 (0 CREDITS) (0:1:0)**

#### **Precalculus Tutorial Support**

Enrolment in this course entitles the student to participate in weekly small group tutorial sessions for assistance with the material of MATH 1152 or 1170.

Prerequisite(s): Concurrent enrolment in either MATH 1152 or 1170.

### **MATH 1162 (3 CREDITS) (4:0:0)**

#### **Finite Mathematics I**

A presentation of mathematical models in a social, business or biological context and a consideration of specific applied problems in these areas. Some background material of historical, cultural and philosophical interest will be included. Covers basic symbolic logic, set theory, counting methods, probability and statistics. Especially appropriate (usually together with MATH 1262) for students requiring only one year of college mathematics, and will serve as a basic science requirement for liberal arts students.

Prerequisite(s): 'B' grade or higher in Principles of Mathematics 11, or Applied Mathematics 12, or MATH 1150 with a 'B-' grade or higher or Principles of Mathematics 12 with a 'C' grade or higher. Applications of Mathematics 11 does not provide sufficient preparation for this course.

### **MATH 1170 (3 CREDITS) (4:0:0)**

#### **Precalculus Mathematics**

A one-term pre-calculus course for stronger students which is intended to lead into the "full-speed" calculus sequence starting with MATH 1171 or MATH 1173/1183. The MATH 1170 curriculum comprises material covered in high school with emphasis on the transcendental functions found in most Grade 12 curricula and is intended as a reinforcement of these basic topics. It includes a review of algebraic functions and their graphs and a solid coverage of exponential and logarithmic functions as well as trigonometry and trigonometric functions, including inverse trigonometric functions. This course is not tied to the high school curriculum, but is designed to be a fast-paced review of many topics encountered at high school. The material is covered in greater depth, with an emphasis on speed and proficiency of algebraic manipulations, problem-solving and practical applications. The objective is to up-grade existing knowledge to the level required for calculus.

Prerequisite(s): 'C+' grade or higher in Principles of Mathematics 12, or permission of the department (based on the MDT Process), or completion of MATH 1152 with a 'C-' grade or higher.

### **MATH 1171 (3 CREDITS) (4:0:0)**

#### **Calculus I**

This course deals primarily with differentiation. The major topics include limits (intuitive approach), development and definition of derivatives, differentiation techniques (algebraic, trigonometric, inverse trigonometric, exponential, and logarithmic functions), curve sketching, applications of derivatives (optimization, related rates, linear motion, differential approximations), antiderivatives, growth and decay.

Prerequisite(s): Principles of Mathematics 12 with an 'A' grade; or permission of department based on the MDT process (MDT 95); or completion of MATH 1170 with a minimum 'B-' grade; or Principles of Mathematics 12 with a minimum 'C+' grade and Calculus 12 with a minimum 'C-' grade.

### **MATH 1173 (3 CREDITS) (4:0:0)**

#### **Calculus I with Computer Explorations**

This is a course in differential calculus, the study of how quantities change. Topics include limits, the definition and interpretations of the derivative, rules and techniques for computing derivatives, using the derivative to study problems involving rates of change, approximation, graphs, and optimization. Traditional classroom instruction will be augmented with laboratory work in MATH 1183. See the description of MATH 1183 for more detail about these activities.

Prerequisite(s): Principles of Mathematics 12 with a minimum 'B' grade; or permission of the department based on the MDT Process; or the completion of MATH 1170 with a minimum 'C+' grade; or Principles of Mathematics 12 with a minimum "C+" grade and Calculus 12 with a minimum 'C-' grade.

Corequisite(s): MATH 1183

### **MATH 1174 (3 CREDITS) (4:0:0)**

#### **Calculus I - Economic and Business Applications**

This course deals primarily with differentiation. Topics include limits (intuitive approach); development and definition of derivatives; rules for differentiation (algebraic, trigonometric, exponential, and logarithmic functions); selected applications of derivatives

(concentrating on business examples); introduction to antiderivatives.

Prerequisite(s): A minimum 'B' grade in Principles of Mathematics 12 or permission of the department based on the MDT Process; or completion of MATH 1170 with a minimum 'C' grade; or Principles of Mathematics 12 with 'C+' grade and Calculus 12 with 'C-' grade.

### **MATH 1179 (0 CREDITS) (0:1:0)**

#### **Calculus I - Tutorial Support**

Enrolment in this course entitles the student to participate in weekly small group tutorial sessions for assistance with the material of MATH 1153, 1253, 1171, 1173 and 1174.

Prerequisite(s): Concurrent enrolment in one of MATH 1153, 1253, 1171, 1173 or 1174.

### **MATH 1183 (1 CREDIT) (0:0:2)**

#### **Computer Explorations for Calculus I**

This is the laboratory component of MATH 1173. These laboratory activities will usually involve the use of a Computer Algebra System, will include instruction about the computers and the software being used, and will involve activities designed to promote better understanding of ideas being studied in MATH 1173.

Corequisite(s): MATH 1173

### **MATH 1190 (3 CREDITS) (4:0:0)**

#### **Fundamental Concepts and Practices of Mathematics**

This course is designed for prospective and current elementary school teachers. It is intended to develop an understanding of fundamental mathematical concepts such as numeration systems, arithmetic operations, elementary geometry, elementary probability, and elementary statistical measures and displays. It is also intended to develop a facility with fundamental mathematical practices such as problem solving, using representations such as graphs and algebraic symbols, identifying patterns, abstracting from context, and projecting mathematical ideas onto particular situations.

Prerequisite(s): 'C' or higher in Principles of Mathematics 11 OR Applications of Mathematics 12, OR 'C-' in Principles of Mathematics 12, OR 'S' in MATH 1101, OR permission of the department based on performance on the Mathematics Diagnostic Test (MDT 58).

### **MATH 1210 (3 CREDITS) (2:0:2)**

#### **Business Analysis By Computer**

A course using the electronic spreadsheet to solve financial problems, suitable for students in business administration or headed for commerce.

Prerequisite(s): 'C' grade or higher in MATH 1118, 'A-' grade in MATH 1119, or equivalent and 'C' grade or higher in BCAP 1200 or CPSC 1010 or equivalent or permission of the department. Some prior experience with electronic spreadsheets is essential.

### **MATH 1231 (3 CREDITS) (4:0:0)**

#### **Concepts of Computer Mathematics**

The course background will consist of an introduction to study of numeration systems, Set Theory, Logic, Boolean Algebra, Switching Networks, Linear and non-Linear functions, Systems of Linear operations, Matrix Algebra, applications into Linear Programming. An introductory programming language will be taught to provide the necessary practical applications.

Prerequisite(s): Registration in the Computer Information Systems Program, or any one of MATH 1153, 1162, 1171, 1173 or 1174.

### **MATH 1250 (3 CREDITS) (4:0:0)**

#### **Geometry**

Topics will include areas, similar figures, the circle, the ellipse, and the parabola. This course is not intended for students who have had geometry in high school.

Prerequisite(s): Principles of Mathematics 11 with a 'C' grade or higher, or MATH 1150. MATH 1150 may be taken concurrently.

### **MATH 1253 (3 CREDITS) (4:0:0)**

#### **Introduction to Calculus I (Part II)**

Study of the calculus concepts introduced in MATH 1153 as they pertain to transcendental functions.

Prerequisite(s): MATH 1153.

### **MATH 1262 (3 CREDITS) (4:0:0)**

#### **Finite Mathematics II**

A sequel to MATH 1162, covering matrix methods, applications to linear programming and Markov chains, Mathematics of Finance and selected optional topics. The approach will be similar to that of MATH 1162.

Prerequisite(s): MATH 1162.

### **MATH 1271 (3 CREDITS) (4:0:0)**

#### **Calculus II**

This course deals primarily with integration and series. The major topics include the concept of integration, techniques of integration, applications of integration, and infinite series.

Prerequisite(s): MATH 1253 or MATH 1171 or MATH 1173.

### **MATH 1273 (3 CREDITS) (4:0:0)**

#### **Calculus II with Computer Explorations**

This is a course in integral calculus, the study of how quantities accumulate. Topics include the definition of the definite integral, interpretations and properties of the integral, techniques for computing integrals, techniques for approximating integrals, applications of integrals, and the study of infinite series. Traditional classroom instruction will be augmented with laboratory work in MATH 1283. See the description of MATH 1283 for more detail about these activities.

Prerequisite(s): MATH 1253 or MATH 1171 or MATH 1173, or permission of the department.

Corequisite(s): MATH 1283

### **MATH 1274 (3 CREDITS) (4:0:0)**

#### **Calculus II with Economic and Business Applications**

The indefinite integral and techniques of integration. The definite integral and applications to business, differential equations and probability distributions. Introduction to multi variable calculus.

Prerequisite(s): MATH 1171, 1173, 1174 or 1253.

### **MATH 1279 (0 CREDITS) (0:1:0)**

#### **Calculus II Tutorial Support**

Enrolment in this course entitles the student to participate in weekly small group tutorial sessions for assistance with the material of MATH 1271, 1273 and 1274.

Corequisite(s): MATH 1271, 1273 or 1274.

### **MATH 1283 (1 CREDIT) (0:0:2)**

#### **Computer Explorations for Calculus II**

This is the laboratory component of MATH 1273. These laboratory activities will usually involve the use of a Computer Algebra System, will include instruction about the computers and the software being used and will involve activities designed to promote better understanding of the ideas being studied in MATH 1273.

Corequisite(s): MATH 1273



### **MATH 2310 (3 CREDITS) (4:0:0)**

#### **Quantitative Methods in Business**

Applications of basic mathematics, calculus, and linear algebra to business administration. Includes linear programming, sensitivity analysis, transportation problems, decision analysis, simulation, network applications. Required of all students in the first year UBC Commerce program.

Prerequisite(s): MATH 1171, 1173, 1174, or 1153.  
(May be taken concurrently with permission of the department.)

### **MATH 2311 (3 CREDITS) (4:0:0)**

#### **Business Applications of Calculus**

Introduction to differential and integral calculus and their applications in business.

Prerequisite(s): MATH 1262, 1171, 1173, or 1253.  
(May be taken concurrently with permission of the Department.)

### **MATH 2361 (3 CREDITS) (4:0:0)**

#### **Algebra I**

Integers, integral domains, fields, vector spaces, polynomial domains, matrices, Euclidean spaces.

Prerequisite(s): MATH 1271 or 1273.

### **MATH 2362 (3 CREDITS) (4:0:0)**

#### **Linear Algebra**

An introductory course on vectors, matrices, linear equations and their applications. Systems of linear equations, matrix notation, Gaussian elimination. Operations on matrices, determinants, Vectors in n-dimensional space, dot and cross products, lines and planes. Linear combinations of vectors, independence, subspaces, the concepts of basis and dimension. Orthonormal bases for subspaces, the Gram-Schmidt algorithm, orthogonal matrices. Application to the theory of least squares and the pseudo-inverse. Linear and affine transformations, change of basis, application to computer graphics. Eigenvalues and eigenvectors, diagonalizable matrices, application to stochastic matrices, symmetric matrices, quadratic forms, conic sections.

Prerequisite(s): MATH 1271, 1273, or 1274 or permission of the department.

### **MATH 2365 (4 CREDITS) (4:0:2)**

#### **Mathematical Modelling**

In this course, students will be exposed to a survey of mathematical techniques used to model real world problems. Topics include finite difference equations, applications of calculus and optimization, discrete-time dynamical systems, differential equations, and Monte Carlo simulations. Examples will be drawn from several areas including biology, economics, medicine, physics, and chemistry. The students will make use of Computer Algebra Systems such as MATLAB, MAPLE, and DERIVE, or high level programming languages to implement models and to run simulations.

Prerequisite(s): MATH 1271 or 1273; and MATH 2362 (MATH 2362 may be taken concurrently).

### **MATH 2371 (3 CREDITS) (4:0:0)**

#### **Calculus III**

Theory and applications related to the following topics: vector-valued functions, partial differentiation, extremal problems, double integrals, triple integrals, and additional topics concerning functions of several variables.

Prerequisite(s): MATH 1271 or 1273.

### **MATH 2373 (3 CREDITS) (4:0:0)**

#### **Real Analysis**

An introduction to the theoretical foundations of calculus. Topics include the nature of mathematical proof, properties of real numbers, limits, sequences, series, continuity and differentiation.

Prerequisite(s): MATH 1271 or 1273 or 1274, or permission of the department.

### **MATH 2382 (1 CREDIT) (0:0:2)**

#### **Linear Algebra Laboratory**

Computer lab activities to complement topics from linear algebra studies in MATH 2362. The labs are designed to promote better understanding of the ideas studied in MATH 2362, as well as to study applications of Linear Algebra Theory. Applications include Polynomial Fitting, Cryptography, Computer Graphics, Least Squares Method, Polynomial Approximation.

Prerequisite(s): MATH 2362 which may be taken concurrently.

### **MATH 2462 (3 CREDITS) (4:0:0)**

#### **Linear Algebra with Application**

The least squares method; diagonalizable matrix, powers and exponentials, stochastic matrices and Markov chains, orthogonal

matrices, symmetric matrices and quadratic forms, the spectral theorem, maxima and minima of functions of several variables, complex matrices. Application to statistics, economics, physics, engineering, etc.

Prerequisite(s): MATH 2362 and MATH 2371.  
(MATH 2371 may be taken concurrently.)

### **MATH 2471 (3 CREDITS) (4:0:0)**

#### **Calculus IV**

Topics include: curves and surfaces, vector fields, line and surface integrals, Divergence Theorem, Theorems of Green and Stokes, application of the aforementioned topics, and additional topics concerning functions of several variables.

Prerequisite(s): MATH 2371.

### **MATH 2475 (3 CREDITS) (4:0:0)**

#### **Differential Equations**

First order equations, special techniques and applications; second order linear equations - linear independence and completeness, homogeneous and inhomogeneous equations, with applications; Laplace transform techniques; first order systems including matrix methods; phase plane and stability analysis of non-linear systems; numerical methods.

Prerequisite(s): MATH 2362 and 2371. (With instructor's permission, one of these courses may be taken concurrently.)

### **MATH 2485 (4 CREDITS) (4:0:2)**

#### **Numerical Analysis**

In this course, students are exposed to current techniques used in scientific computing. Topics include: solving linear and nonlinear equations, interpolation, integration, and numerical solutions of ordinary differential equations. Extensive use is made of Computer Algebra Systems (CAS), such as MATLAB, MAPLE, and DERIVE.

Prerequisite(s): MATH 1271 or 1273; and MATH 2362. (Exposure to a high-level programming language or a programming course such as CPSC 1150 is recommended.)

# Nursing

## (NURS)

The following Nursing courses are restricted to students enrolled in the Nursing Program.

### **NURS 1100 (3 CREDITS) (0:0:7)**

#### **Nursing Practice I**

This course provides an introduction to nursing practice with opportunities to learn basic nursing and assessment skills. Participants have opportunities to experience nurses' work in a variety of settings. In addition, participants are introduced to the concept of family in relationship to nursing and health promotion. Graded S/U.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Corequisite(s): NURS 1109; NURS 1121; NURS 1130

### **NURS 1103 (3 CREDITS) (4:0:0)**

#### **Licensed Practical Nurse Bridging Course**

This course provides an overview of concepts from Health I and II, Professional Growth I, Self and Others I and II, Healing I, and Nursing Practice I, II, III. This course emphasizes the role transition from a licensed practical nurse or a registered psychiatric nurse to a baccalaureate nurse. After successful completion of the Nursing Transition Program, students may enter Registration Term IV of Bachelor of Science in Nursing Program.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): Acceptance into the Nursing Transition Program and a minimum 'C+' grade in the following: BIOL 1190 and 1191; ENGL 1127 or 1128; and ENGL 1129 or 1130.

Corequisite(s): BIOL 2290

### **NURS 1109 (3 CREDITS) (4:0:0)**

#### **Health I: Health Styles**

The major emphasis of this courses is on the personal meaning of health, related health assessment, and health maintenance. Participants examine significant theoretical and conceptual frameworks of health in relation to self. By reflecting on personal experiences, participants not only have opportunity to identify personal resources, and challenges that impact health, but also to recognize the complexity of the change process as related to health-promoting behaviour.

Corequisite(s): NURS 1100, NURS 1121, NURS 1130

### **NURS 1111 (3 CREDITS) (4:0:0)**

#### **Health II: Facilitating Health and Healing in Families**

This course focuses on family theory and families' experiences with chronic health challenges. Participants engage with individuals and a family to understand the family's personal meaning of health, healing, and health promotion in relation to chronic health challenges.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 1109, 1121, 1130, BIOL 1190, ENGL 1127 or ENGL 1128; and an 'S' grade in NURS 1100.

### **NURS 1121 (3 CREDITS) (4:0:0)**

#### **Professional Growth I: Nurses' Work**

This course provides an introduction to the profession of nursing. The philosophical foundations and the foundational concepts of the program are explored. The history of nursing, including a gendered analysis of the profession, is examined. The role of the nurse in the health care system is emphasized, as is the relationship between theory, practice, and research. Participants are introduced to the processes of critical thinking, critical reflection, and critical writing.

Corequisite(s): NURS 1100, NURS 1109, NURS 1130

### **NURS 1130 (3 CREDITS) (4:0:0)**

#### **Self and Others I: Self Awareness**

This course focuses on the learner's personal discovery of self and self in relation to others. Through interaction and reflection, emphasis is placed on understanding how personal beliefs, values, experiences, and perceptions have shaped self over time, and relate to and impact on our caring experiences with self and others (individual, family and groups).

Corequisite(s): NURS 1100, NURS 1109, NURS 1121.

### **NURS 1131 (3 CREDITS) (4:0:0)**

#### **Self and Others II: Creating Health-Promoting Relationships**

The major emphasis of this course is relational practice with individuals, families and groups from a diverse background of age, culture and experience. This is an experiential course designed to deepen the participant's understanding of caring and how the connection between caring and relationship provides the context for health and healing. Participants explore theories and processes of caring relational identity development of self as nurse, and relational practice as enacted across a range of settings and contexts.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 1109, 1121, and 1130; BIOL 1190; ENGL 1127 or ENGL 1128; and an 'S' grade in NURS 1100.

Corequisite(s): NURS 1111 and NURS 1141

### **NURS 1141 (7 CREDITS) (4:0:12)**

#### **Nursing Practice II**

This nursing practice experience provides opportunities for participants to develop caring relationships with individuals and families experiencing chronic health challenges. Through praxis, participants reflect upon the complexities of caring for families with chronic health challenges and develop sensitivity toward the experience of health as viewed through the individual's/ family's perspective. Participants work with families and individuals in the home and community, in agencies, and in care facilities. Graded S/U.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 1109, 1121, and 1130; BIOL 1190; ENGL 1127 or ENGL 1128; and an 'S' grade in NURS 1100.

Corequisite(s): NURS 1111 and NURS 1131.

Note: Reminder: CPR Basic Rescuer (Health Care Provider) Level C certificate is required.

### **NURS 1195 (3 CREDITS) (4:0:0)**

#### **Special Topics I**

This number is reserved for Nursing courses that may be offered from time to time by:

a) College Nursing Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Nursing Lecturers.

Note: Announcements regarding NURS 1195 offerings and prerequisites will be announced in the *Registration Guide* and *Course Schedule*.

### **NURS 2121 (3 CREDITS) (4:0:0)**

#### **Professional Growth II: The Nursing Profession**

This course builds on the philosophy and concepts examined in Professional Growth I, as well as examining and exploring the professional practice of nursing. Emphasis is placed on standards for practice, and the role of nurse as educator and advocate.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 2250 and BIOL 2290; and an 'S' grade in NURS 2140 or a minimum 'C+' grade in both NURS 1103 and BIOL 2290.

Corequisite(s): NURS 2141 and NURS 2251.

### **NURS 2140 (8 CREDITS) (4:0:15)**

#### **Nursing Practice III**

This nursing practice experience provides opportunities to develop caring relationships with people experiencing episodic health challenges. Experiences include the provision of care with individuals and families in a variety of settings, as well as in the transition from hospital to home. Graded S/U.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 1102 or all of NURS 1111, 1131, and 1141; BIOL 1191; and ENGL 1129 or 1130.

Corequisite(s): NURS 2250

Note: Reminder: CPR Basic Rescuer (Health Care Provider) Level C certificate is a requirement for NURS 2140.

### **NURS 2141 (8 CREDITS) (4:0:15)**

#### **Nursing Practice IV**

This nursing practice experience provides opportunities for participants to develop caring relationships with individuals and families experiencing complex episodic health challenges. There are opportunities for participants to refine and use their clinical decision-making skills and to explore and utilize the expertise of a variety of health team members. Graded S/U.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 2250; BIOL 2290; and an 'S' grade in NURS 2140; or a minimum 'C+' grade in NURS 1103 and BIOL 2290.

Corequisite(s): NURS 2121 and NURS 2251

Note: Reminder: CPR Basic Rescuer (Health Care Provider) Level C certificate is a requirement for NURS 2141.

### **NURS 2250 (4 CREDITS) (3:0:3)**

#### **Healing I: Episodic Health Challenges**

The focus of this course is on people's experience with healing with particular reference to episodic health challenges. Participants will integrate theory and concepts of health as they relate to healing. Participants will develop a repertoire of cognitive, psychomotor, interpersonal, and organization skills to promote healing.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 1111 and 1131; BIOL 1191; ENGL 1129 or 1130; and an 'S' grade in NURS 1141.

Corequisite(s): NURS 2140

### **NURS 2251 (4 CREDITS) (3:0:3)**

#### **Healing II: Complex Episodic Health Challenges**

Participants in this workshop will develop an understanding of people's experience with healing, specifically related to a variety of complex health challenges. Participants will further develop their repertoire of cognitive, psychomotor, interpersonal, and organizational skills to promote healing. Pattern recognition, critical decision-making, and increased self-directedness will be emphasized.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 2250; BIOL 2290; and an 'S' grade in NURS 2140; or a minimum 'C+' grade in NURS 1103 and BIOL 2290.

Corequisite(s): NURS 2121 and NURS 2141.

### **NURS 2265 (9 CREDITS) (0:0:24)**

#### **Consolidated Practice Experience I**

In this consolidated practice experience, opportunities are provided to develop caring relationships with individuals and families experiencing increasingly complex episodic health challenges. Participants have opportunities to consolidate learning from the first and second year of the program in health care settings. This practice experience reflects the epistemology (knowing), the ontology (being), and the praxis (the integration of skills knowledge, beliefs, values, concepts, and issues) of previous learning.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 2251 and 2121; BIOL 2291; and an 'S' grade in NURS 2141.

### **NURS 2295 (3 CREDITS) (4:0:0)**

#### **Special Topics II**

This number is reserved for Nursing courses that may be offered from time to time by:

a) College Nursing Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Nursing Lecturers.

Note: Announcements regarding NURS 2295 offerings and prerequisites will be made in the *Registration Guide* and *Course Schedule*.

### **NURS 3111 (3 CREDITS) (4:0:0)**

#### **Health III: Teaching and Learning for Prevention**

The major emphasis of this course is on health teaching for prevention. Participants examine a variety of teaching/learning theories, perspectives, and strategies that underlie meaningful interactions with individuals, families and groups. They explore and critique primary, secondary and tertiary prevention programs and basic concepts of epidemiology. They examine the nurse's role in prevention and the significance of interdisciplinary collaboration within a variety of contexts.

Prerequisite(s): An 'S' grade in NURS 2265.

Corequisite(s): NURS 3140 and NURS 3141

### **NURS 3115 (3 CREDITS) (4:0:0)**

#### **Family Experiences with Maternal and Newborn Health and Healing**

This course emphasizes family-centered care for the generative client. Students learn to develop caring and professional health care relationships with newborns, parent(s), siblings, and families, focusing on health promotion and injury prevention. This course builds on previously learned concepts and integrates new and specialized knowledge and skills. Students have opportunities to broaden their experiences of interprofessionalism.

Prerequisite(s): An 'S' grade in NURS 2265.

Corequisite(s): NURS 3111, 3116, and 3145.

### **NURS 3116 (3 CREDITS) (4:0:0)**

#### **Family Experiences with Infants, Children, and Youth Health and Healing**

This course emphasizes family-centered care of infants, children, and youth. Students learn to develop caring and professional health care relationships with this population, focusing on health promotion and injury prevention. This course builds on previously learned concepts and integrates new and specialized knowledge and skills. Students have opportunities to broaden their experiences of interprofessionalism.

Prerequisite(s): An 'S' grade in NURS 2265.

Corequisite(s): NURS 3111, 3115, and 3145.

### **NURS 3145 (5 CREDITS) (0:0:15)**

#### **Family Practice Experience**

This practice-based course emphasizes family-centered relational care of newborns, infants, children, youth and families in health care settings. The course builds on previously learned concepts, and integrates new and specialized knowledge, skills, and attitude unique to these populations. The integration of the practice of teaching/learning is an essential element. The Decision-Making for Nursing Practice Framework is applied to guide student thinking and learning. Students have opportunities to broaden their experiences with an intraprofessional team.

Prerequisite(s): An 'S' grade in NURS 2265.

Corequisite(s): NURS 3111, 3115, and 3116.

### **NURS 3216 (3 CREDITS) (4:0:0)**

#### **Health IV: Health Promotion and Community Empowerment**

This course focuses on community as client from a health promotion perspective. The underlying principles of health promotion, including the social determinants of health, participation, capacity, and empowerment are emphasized. Community development as a pattern of community health promotion practice is explored.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 3111, 3115, and 3116; PHIL 1105; and an 'S' grade in NURS 3145.

Corequisite(s): NURS 3225, 3235, 3246, and non-Nursing Elective

### **NURS 3225 (3 CREDITS) (4:0:0)**

#### **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.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 3111, 3115 and 3116; PHIL 1105; and an 'S' grade in NURS 3145.

Corequisite(s): NURS 3216, 3235, 3246 and non-Nursing Elective

### **NURS 3235 (3 CREDITS) (4:0:0)**

#### **Self And Others III: Reflection on Caring Practice**

Building upon theories and concepts from Self & Others I and II, this course focuses on enhancing participants' everyday relational practice with individuals, families, and groups.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 3111, 3115, and 3116; PHIL 1105; and an 'S' grade in NURS 3145.

Corequisite(s): NURS 3216, 3225, 3246 and non-Nursing Elective.

### **NURS 3246 (8 CREDITS) (4:0:15)**

#### **Nursing Practice VI**

This nursing practice experience provides opportunities to develop caring relationships with families, groups, and communities and/or populations with emphasis on health promotion and community empowerment. Participants have opportunities to work with a community on an identified health issue. Graded S/U.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy

E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 3111, 3115, and 3116; PHIL 1105; and an 'S' grade in NURS 3145; and current CPR certification.

Corequisite(s): NURS 3216, 3225, 3235 and non-Nursing Elective.

### **NURS 3365 (9 CREDITS) (0:0:24)**

#### **Consolidated Practice Experience II**

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 decision making for nursing practice skills in a variety of settings. Graded S/U.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum grade 'C+' grade in the following: NURS 3216, 3225, 3235; and an 'S' grade in NURS 3246.

Note: Current CPR Certificate is required.

### **NURS 4125 (3 CREDITS) (4:0:0)**

#### **Professional Growth IV: Research**

The intent of this course is to enhance participants' abilities 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.

Prerequisite(s): An 'S' grade in NURS 3365.

Corequisite(s): NURS 4126, 4145 and Nursing Elective.

### **NURS 4126 (3 CREDITS) (4:0:0)**

#### **Professional Growth V: Nurses Influencing Change**

This course explores the 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.

Prerequisite(s): An 'S' grade in NURS 3365.

Corequisite(s): NURS 4125, 4145 and Nursing Elective.

### **NURS 4145 (8 CREDITS) (4:0:15)**

#### **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 participants' growth in their practice as professional nurses. They have opportunities to collaborate with interdisciplinary and multi-sectoral groups. Graded S/U.

Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): An 'S' grade in NURS 3365 and current CPR certification.

Corequisite(s): NURS 4125, 4126 and Nursing Elective.

### **NURS 4180 (3 CREDITS) (4:0:0)**

#### **Nursing Leadership and Management**

This course explores the leadership and management knowledge and skills required by the new graduate nurse within the provision of health care services. It provides the opportunity to examine innovative and diverse roles within changing health care environment as participants learn to identify and develop their own leadership and management skills.

Prerequisite(s): An 'S' grade in NURS 3365.

Corequisite(s): NURS 4125, 4126, and 4145.

### **NURS 4181 (3 CREDITS) (4:0:0)**

#### **The Relationship Between Culture and Health**

This course involves a critical examination of the relationship between culture and health, which are explored as dynamic, socially constructed processes linked to historic eco-socio-political contexts. The impact of migration, colonialism and racialization on Aboriginal and immigrant health will also be addressed. Using a postcolonial theoretical framework, and cultural safety as a lens for critical reflection, participants actively engage with approaches to understanding how cultural diversity influences nurse-client relationships, access to health care, and health care systems.

Prerequisite(s): An 'S' grade in NURS 3365.

Corequisite(s): NURS 4125, 4126, and 4145.

### **NURS 4182 (3 CREDITS) (4:0:0)**

#### **The Lived Experience of Disability**

This course explores the lived experience of individuals with a disability and the roles of both the nurse and the nursing profession in that experience. Participants will have the opportunity to define disability, explore the history of disability, learn about the challenges faced in everyday life by those with a disability, and begin to appreciate the experience of life with a disability. Rehabilitation and the journey to optimal health will be discussed.

Prerequisite(s): An 'S' grade in NURS 3365.

Corequisite(s): NURS 4125, 4126, and 4145.

### **NURS 4246 (12 CREDITS) (4:0:28)**

#### **Nursing Practice VIII**

This 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 develop their practice and enhance their knowledge within a specific area, for example, a particular setting of practice, a certain client population, or a specific health challenge. Graded S/U. Note: Students are not eligible for an aegrotat or deferred standing in this course. See Policy E2007 Course Credit: Special Consideration.

Prerequisite(s): A minimum 'C+' grade in the following: NURS 4125 and 4126; one of NURS 4180, 4181, or 4182; and an 'S' grade in NURS 4145.

## **Nutrition**

### **(NUTR)**

Most Nutrition courses are available to arts and science students. Courses restricted to Nutrition and Food Service Management Program students are identified in the course descriptions. A minimum 'C-' grade is required in most prerequisite courses; several courses require a minimum 'C' grade.

### **NUTR 2112 (3 CREDITS) (4:0:0)**

#### **Nutrition I**

**(Formerly: FSRV 2112)**

In this online course, students are given an introduction to the science of nutrition. Areas of study include an overview of the nutrients, their function, nutritional processes, and the evaluation of nutrition related information sources. The energy producing nutrients - protein, fat and carbohydrate - are studied in depth.

Note: Students will only receive credit for one of FSRV 1112, FSRV 2112, or NUTR 2112.

### **NUTR 2212 (3 CREDITS) (4:0:0)**

#### **Nutrition II**

**(Formerly: FSRV 2212)**

In this online course, students continue the study of normal nutrition. The specific areas of study include vitamins, minerals, fluids, nutritional assessment, food and drug interactions, and specific nutritional concerns during the stages of the life cycle. Completion of NUTR 2112 and 2212 will enable the student to relate to nutritional needs to meal planning for optimal health.

Note: Students will only receive credit for one of FSRV 1212, FSRV 2212, or NUTR 2212.

### **NUTR 2322 (3 CREDITS) (4:0:0)**

#### **Advanced Nutrition I**

**(Formerly: FSRV 2322)**

This is an online course. A combined lecture/workshop lab course that studies the role of nutrition in the prevention and treatment of disease. Development of diet writing skills, using the Manual of Clinical Dietetics are included. Specific areas of study are the role of nutritional care in stress and wasting disorders, disorders of the gastro-intestinal tract, and adverse food reactions. Emphasis is given to the role of the supervisory/technical staff in the implementation of nutritional care plans.

Prerequisite(s): NUTR 1212 and NUTR 2212 with a minimum 'C' grade; a minimum 'C' grade in one

of BIOL 1115, 1116, 1175, 1190, or 1216; CMNS 1115 or BUSM 1500; and one of CMNS 1118, ENGL 1127, or 1140.

Note: Students will only receive credit for only one of FSRV 1212, FSRV 2322, and NUTR 2322.

### **NUTR 2422 (3 CREDITS) (4:0:0)**

#### **Advanced Nutrition II (Formerly: FSRV 2422)**

In this online course, students continue the study of the role of nutrition in the prevention and treatment of disease. Development of diet writing skills using the Manual of Clinical Dietetics are included. Specific areas of study are the role of nutritional care in disorders of energy metabolism, liver, kidneys, and the cardiovascular system. Emphasis is given to the role of supervisory/technical staff in the implementation of nutritional care plans.

Prerequisite(s): NUTR 1212 and NUTR 2212 with a minimum 'C' grade; a minimum 'C' grade in one of BIOL 1115, 1116, 1175, 1190, or 1216; CMNS 1115 or BUSM 1500; and one of CMNS 1118, ENGL 1127 or 1140.

### **NUTR 2500 (3 CREDITS) (3:1:0)**

#### **Sports Nutrition**

In this course, students will discuss the role of nutrition for health, fitness and athletic performance. Topics covered include the basic principles of human nutrition and exercise; carbohydrate, fat and protein metabolism at rest and during exercise; energy balance and body composition; fluid and electrolyte balance; vitamin and mineral needs and issues for athletes; evaluation of sports foods, supplements and ergogenic aids, nutrition during training, competition and recovery; nutrition for special populations - women, children, youth and seniors; and nutrition and fitness assessment.

## **Peace & Conflict Studies**

### **(PCCN)**

#### **PCCN 1105 (0 CREDITS) (0:0:0)**

##### **Lecture Series**

This is a non-credit, non-fee course. It is a one semester series of guest lectures on Peace and Conflict Studies topics. A minimum of four lectures will be offered during the semester. Requirement for the Diploma in Peace and Conflict Studies.

Note: Only offered in Fall Semester.

#### **PCCN 1201 (3 CREDITS) (3:1:0)**

##### **Peace and Conflict in the Modern World**

see Political Science 1145

The history of war; causes and consequences of war; the nuclear threat; the relationship of the arms race to other global problems; arms control and disarmament; Canada's role.

Note: POLI 1145 is one of the core courses of the Peace & Conflict Studies Program. Only offered in Fall Semester.

#### **PCCN 1202 (3 CREDITS) (3:1:0)**

##### **Conflict and Conflict Resolution**

An examination of levels of conflict from the interpersonal to the international. The roots and dynamics of conflict; the means and history of conflict resolution; mediation and peacekeeping.

Note: Only offered in Spring Semester.

## **Philosophy**

### **(PHIL)**

Philosophy is the discipline which develops the ability to think clearly about fundamental questions, including those that frequently lie at the root of other disciplines. Philosophy asks questions about the nature of knowledge, reality, truth, consciousness, freedom, moral obligation, aesthetic value, happiness, justice, and virtue--questions asked by those who seek to understand themselves, their society, and their world. We welcome students who are interested in questions of this order.

The Philosophy Department offers a concentration in philosophy for the Langara College Associate of Arts Degree. The concentration in philosophy is designed for students who are interested in preparing for a bachelor's degree with a major in philosophy or who simply wish to focus on philosophy as part of their associate of arts degree.

Philosophy courses require proficiency in English and can present challenges to students whose second language is English and who have difficulty reading or writing English. Students with English language difficulties should discuss them with the department or the instructor prior to enrolment in a philosophy course.

#### **PHIL 1100 (3 CREDITS) (3:1:0)**

##### **Introduction to Philosophy: (Ethics, Social and Political Philosophy)**

An introduction to a variety of the classic responses to the question "How should I conduct my life?" Some of the major themes discussed are happiness, moral goodness, rights, obligation, freedom.

#### **PHIL 1101 (3 CREDITS) (3:1:0)**

##### **Introduction to Philosophy: Knowledge and Reality**

The primary questions dealt with are "What is the source and the limit of human knowledge?" and "What is the nature of reality?" and "What is our place in nature?" Some of the major themes discussed are knowing and believing, mind and brain, free will and determinism, truth, existence.

### **PHIL 1102 (3 CREDITS) (3:1:0)**

#### **Introduction to Logic**

This is an introduction to elementary formal logic. Valid and invalid reasoning. Common fallacies, logical connectives "and," "or," "if" ... then". Truth tables. Propositional calculus and predicate calculus.

### **PHIL 1103 (3 CREDITS) (3:1:0)**

#### **Introduction to Philosophy of Science**

This course considers a variety of questions in the philosophy of science, including: What is the nature of science? What is a scientific hypothesis, theory, law? What is the role of induction and deduction in science? The course considers the claims of science to objective knowledge by looking at the interplay of different forces in scientific decision-making, such as simplicity, and social, cultural, and prudential influences. No background or ability in science is presupposed beyond an interest in the subject matter.

### **PHIL 1104 (3 CREDITS) (3:1:0)**

#### **Critical Thinking**

Thinking critically means knowing how to support your beliefs and actions with good reasons and how to evaluate reasons given by others. In this course, you will learn to distinguish good from bad arguments as they occur in everyday discussions, including in the news media, political campaigns, advertising, and other contexts. The goal is to help you to cultivate a solid habit of going through life as a critical thinker, which should lead to better reasoned decision-making, rather than decisions based on unexamined opinions, impulse, prejudice, or social pressure. Students will be taught, through extensive examples, how to understand, criticize, and construct arguments, and how to recognize common errors in reasoning. ESL students who have difficulty reading or writing English may find this course challenging. They are encouraged to discuss their participation in this course with the instructor.

### **PHIL 1105 (3 CREDITS) (3:1:0)**

#### **Biomedical Ethics**

A consideration of selected moral problems arising in the health professions: experimentation on humans and animals, euthanasia, death, confidentiality, truth telling, abortion, and the allocation of scarce medical resources. The aim of the course is to put ourselves in a position to frame rational and informed opinions on these important matters. Classes will be

organized to allow for ample discussion; readings will be drawn from medical, legal, and philosophical sources. No background in law, medicine, or philosophy is presupposed.

### **PHIL 1106 (3 CREDITS) (4:0:0)**

#### **Philosophy of Sport**

This course has two related goals: 1) to use philosophical frameworks to inquire into the nature of sport and related concepts; and 2) to use sport to introduce philosophical ideas and to show how those ideas can clarify our understanding of human institutions, values, and practices. Topics include: What is sport? What is a game? What is athletic excellence? What is sportsmanship? What is fair play? What is the relationship between sport and morality?

### **PHIL 1120 (3 CREDITS) (4:0:0)**

#### **Environmental Ethics**

This course will introduce students to the moral issues associated with human interaction with our environment and provide them with the methodology for critically assessing these issues. Topics include: Are animals, plants, and trees entitled to moral consideration? If so, how much and why? How do we fairly distribute the burdens of environmental stewardship between nations and between generations? Do we owe any moral obligations to future generations? Are groups, like species and ecosystems, deserving of moral consideration? Must we promote sustainability? When, if ever, may we engage in acts of violence in order to protect animals and/or the ecosystem?

### **PHIL 1125 (3 CREDITS) (4:0:0)**

#### **Ancient Philosophy**

A study of Ancient Philosophy mainly focusing on Plato and Aristotle, but with attention to the Presocratics, the Roman Stoics and later developments.

### **PHIL 1140 (3 CREDITS) (4:0:0)**

#### **Philosophy of Religion**

This course investigates proofs for the existence of God, the intellectual ground of faith, the problems of evil and suffering, the mystical path, the connection between ethics and religion, the psychologizing of religion, religious pluralism, and recent claims by atheists that religious beliefs are not only mistaken but dangerous.

### **PHIL 1195 (3 CREDITS) (3:0:0)**

#### **Special Topics I**

This number is reserved for first-year level philosophy courses that may be offered from time to time by: a) College philosophy faculty who wish to present a course in their specialty or area of interest, and which may not be regularly offered; or b) visiting philosophy lecturers.

Note: Announcement regarding PHIL 1195 offerings and prerequisites will be made in the *Registration Guide* and *Course Schedule*.

### **PHIL 1227 (3 CREDITS) (3:1:0)**

#### **Philosophy of Education**

In this course students are encouraged to consider the relationship between theories of epistemology, ethics and politics, and various views of the appropriate ways of treating children in order to assist them in becoming good citizens and fully developed individuals. The course will also compare the views of various philosophers on the subject of education.

### **PHIL 2201 (3 CREDITS) (3:1:0)**

#### **Epistemology**

A continuation of PHIL 1101 in which some topics treated there will be examined in greater depth, and new ones introduced. We will consider three main questions: (1) What is knowledge? (How does knowing differ from believing? Is there any certain knowledge?); (2) What, if anything, can we know? (Can we know that there is an external world or the sun will rise tomorrow?); (3) How do we know what we do? (By inference or direct apprehension? By our senses, or reason, or what? Does knowledge need foundations? What is the nature of scientific knowledge?)

Prerequisite(s): Any first-year Philosophy course or consent of the instructor.

### **PHIL 2202 (3 CREDITS) (3:1:0)**

#### **Ethics**

A consideration of such questions as: When can we hold an individual morally responsible for his actions? What is freedom? What are my obligations to my community? From the courses of action open to me, what ought I to do? What is the nature of the good? The course will consider the views of philosophers such as Plato, Aristotle, Hume, Kant, Mill and Sartre.

Prerequisite(s): Any first-year Philosophy course or consent of the instructor.

### PHIL 2203 (3 CREDITS) (3:1:0)

#### Metaphysics

A continuation of Philosophy 1101 in which some topics treated there will be examined in greater depth, and new ones introduced. We will be concerned with the nature of human beings and the universe in which we find ourselves. Topics may include the nature of mind (Is the mind the brain, or something irreducibly psychic?), personal identity (What makes us the same person in different times and places?), freedom (Are all our actions fixed by the past?), God (What is meant by the term, and does it apply to anything?), and immortality (Does everything end with our bodily death, or can we look forward to a future state?).

Prerequisite(s): Any first-year Philosophy course or consent of the instructor.

### PHIL 2210 (3 CREDITS) (3:1:0)

#### Contemporary Moral Issues

An examination of important moral controversies in such fields as social justice, international relations, multiculturalism, environmental ethics, corporate responsibility and personal relationships. The focus is on learning to reach balanced moral decisions, supported by sound philosophical reasoning.

Prerequisite(s): Any first-year philosophy course, or consent of the instructor.

### PHIL 2225 (3 CREDITS) (3:1:0)

#### Existentialism

How can you create a meaningful life for yourself out of the possibilities of human existence? The great existentialist philosophers - Kierkegaard, Nietzsche, Heidegger, Sartre, de Beauvoir, and Camus - addressed this kind of question, aiming to make us aware of the extent and burdens of our freedom and responsibility in answering it. This course encourages students to sample key writings of, and to think critically about, these philosophers whose goal was to stimulate the quest for a self-aware, reflective, and imaginative existence.

### PHIL 2226 (3 CREDITS) (3:1:0)

#### Social and Political Philosophy

This course investigates the meaning of such concepts as freedom, justice, equality, power, authority and alienation, which lie at the roots of major contemporary ideologies such as liberalism, fascism, communism, socialism and anarchism.

Prerequisite(s): Any first-year Philosophy course or consent of the instructor.

### PHIL 2295 (3 CREDITS) (4:0:0)

#### Special Topics II

An in-depth study of a major philosopher or topic in philosophy.

Note: Announcements regrading PHIL 2295 offerings will be made in the *Registration Guide* and *Course Schedule*.

### PHIL 3200 (3 CREDITS) (3:1:0)

#### Critical Thinking and Business Ethics

Responsible business decisions call for the ability to (1) analyze a problem and arrive at a decision backed by the strongest reasons and (2) know the difference between ethical and unethical conduct. Students will be introduced to the elements of logic, and learn to identify and construct arguments and distinguish between good and bad ones. The course also offers a primer in ethics and students take up the questions of how ethics is distinguished from law and prudence, what makes actions right or wrong, and why be ethical. The emphasis will be on ethical decision making in a business environment.

Prerequisite(s): 30 credits of post-secondary courses or approval of the Department Chair.

## Physical Education (PHED)

### Service Program Activity Courses

The following courses provide opportunities for healthful and enjoyable recreation for all College students, regardless of their program of studies. Students may enrol in one service program activity course each semester, as part of their total program. Students are also urged to utilize Intramural Activities and Intercollegiate Athletics for recreational activity to balance their academic work. Service Program Activity Courses carry College credit only.

**All courses may not be offered in any given semester. Regular attendance and participation are essential course requirements.**

### PHED 1112 (1 CREDIT) (0:0:2)

#### Introduction to Physical Fitness

An introduction to personal physical fitness development. Although the course is principally geared to mild but continuous and progressive exercise, there will also be opportunity for higher levels of performance. Some individual fitness testing is conducted to indicate personal fitness levels and place you in the appropriate programs. Grading is based mainly on attendance and participation. Graded S/U.

### PHED 1114 (1 CREDIT) (0:0:2)

#### Badminton

This course provides instruction in badminton skills, knowledge, tactics, strategies, and game courtesies at the beginner and advanced levels, offering in class tournaments and Intramural competitions to help you improve your playing skills. Grading is based mainly on attendance and participation. Graded S/U.

### PHED 1118 (1 CREDIT) (0:0:2)

#### Healthy Lifestyles

As the third and final course in a series, this course will assist the student in applying the concepts covered to the "real world" working situation. Personal physical fitness levels will be reassessed once more and physical training programs maintained. The healthy living focus will expand to include topics such as stress management, effects of shift work, informed consumerism, and protective health behaviours. Graded S/U.

Note: Criminal Justice students are advised to take PHED 1112 previous to this course.



# Physics

(PHYS)

## Prerequisites

Prerequisites for courses in Physics are valid for only three years. Students wanting to register in a course for which the prerequisite was taken more than three years ago will be required to write a diagnostic test or to upgrade the prerequisite.

## Repeating a course

A Physics course may be taken only twice, regardless of the grade earned in the first enrolment. The department chair, or delegate, will decide on exceptions to this rule, usually on the basis of documented evidence of upgraded prerequisites.

## Laboratory Requirements

The Physics labs are an integral part of each course. It is Physics Department policy that there are no make-up labs. Failure to satisfactorily complete the laboratory requirements may result in a failing grade for the course.

## Diagnostic Tests

The Physics Diagnostic Placement Test is an assessment of the student's knowledge of the physics principles and their applications. The test is designed to place the student into the most appropriate physics course. To enrol in any physics course with a physics prerequisite, the Diagnostic Test is required for any student who has NOT taken a physics course in BC OR for any students whose prerequisite course was taken more than 3 years ago.

Note: Not all courses are offered every semester. Please check the Physics Department webpage for details.

## PHYS 1101 (4 CREDITS) (4:0:2)

### Physics I for Life Sciences

This is a calculus-based introductory physics course intended for students planning on a career in the life sciences including biology and the health professions. The course examines, kinematics, including graphs of motion, dynamics, energy, momentum, fluids, oscillations, waves, sound, heat, thermodynamics, geometrical optics and light interference and diffraction, in lectures and laboratories. Examples are chosen, where possible, from applications of interest to students of the life sciences.

Prerequisite(s): A minimum 'C' grade in Physics 12 or PHYS 1118 or a satisfactory score on the

Physics Diagnostic Test; and one of MATH 1171, 1173/1183, or 1253. The MATH course may be taken concurrently with PHYS 1101.

Note: Students will receive credit for only one of PHYS 1125 and PHYS 1101.

## PHYS 1114 (4 CREDITS) (3:2:1)

### Basic Physics

A general course for students who have had no previous physics background. The course covers mechanics, heat, sound, optics and electricity at the introductory level in the classroom and in the laboratory.

Prerequisite(s): Mathematics 11 with 'C' grade or higher or MATH 1150 with 'C' grade or higher, or MDT 70 or higher.

## PHYS 1118 (4 CREDITS) (4:0:2)

### Introductory Physics

An introductory course for students with Physics 11 or equivalent. The course covers mechanics (Newton's laws), energy, momentum, geometrical optics, and electricity; use of graphs and vectors in physics; and laboratory exercises to familiarize the students with physical phenomena and instruments.

Prerequisite(s): Physics 11 with a 'B' or higher, or Physics 12 with 'C' or higher, or PHYS 1114 with 'C' or higher, or satisfactory score on Physics Diagnostic Test, and Mathematics 12 with a 'C' or higher, or MATH 1152 with a grade of 'C' or higher, or MATH 1153 with 'C-' or higher, or MATH 1170 'C-' or higher (concurrent).

## PHYS 1125 (4 CREDITS) (4:0:2)

### Physics I with Calculus

This is a calculus-based introduction to mechanics. The course examines kinematics (one and two dimensions), dynamics, statics, energy, rotation, waves, oscillations, fluids, gas, heat, thermodynamics in lectures and laboratories. Students planning to go into physical and applied sciences are encouraged to take this course and its second part, PHYS 1225.

Prerequisite(s): Physics 12 with a 'B' or higher, or PHYS 1118 with 'C' or higher or satisfactory score on the Physics Diagnostic Test, and MATH 1171 or (MATH 1173/1183) preferred or MATH 1253 or 1174. MATH 1171, 1173/1183 or MATH 1253 with a 'C-' or higher may be taken concurrently with PHYS 1125.

Note: Students will receive credit for only one of PHYS 1125 and PHYS 1101.

## PHYS 1126 (4 CREDITS) (4:0:2)

### Science in History

This course will look at how science has influenced and been influenced by society throughout history. The emphasis will be on physics, but other disciplines will be covered. The combination of lecture and lab sessions will help students understand major developments in science and how and why they arose. The course does not presuppose any previous knowledge of physics or mathematics. This course meets the Laboratory Science requirement for the Associate of Arts Degree. It may be taken as a science elective by students working towards the Associate of Science Degree.

## PHYS 1205 (4 CREDITS) (4:0:2)

### Introduction to Astronomy

This is an introductory course in astronomy. Topics include: history of astronomy, including models of Copernicus, Galileo and Newton; starlight and spectra; telescopes and modern astronomy; the planets; origin and evolution of the solar system; the sun; stars; star birth; life and death; our galaxy; structure of the universe; and life elsewhere in the universe. The laboratory portion of the course includes indoor labs, outdoor observing sessions, and computer simulation labs. The course does not presuppose any previous knowledge of physics or mathematics. This course meets the Laboratory Science requirement for the Associate of Arts Degree. It may be taken as a science elective by students working towards the Associate of Science Degree.

Prerequisite(s): Mathematics 11 desirable.

Note: This course does not presuppose any previous knowledge of physics or mathematics; however, Mathematics 11 is desirable. Students will receive credit for only one of ASTR 1101 and ASTR 3310.

## PHYS 1219 (4 CREDITS) (4:2:0)

### Engineering Mechanics

This course is designed for (although not restricted to) students in the University Transfer Engineering Program. Topics include statics of particles, equilibrium of rigid bodies, rigid body statics and internal forces; kinematics: rectilinear motion; dynamics: Newton's 2nd law, friction, impulse, momentum, work, and energy. Emphasis is placed throughout on the analysis of practical mechanics problems using freebody diagram techniques.

Prerequisite(s): PHYS 1115 with a 'C+' grade or higher, or PHYS 1125 with a 'C' grade or higher; and MATH 1153 or MATH 1253 or MATH 1171 or

MATH 1173, MATH 1153, 1253 or MATH 1171 may be taken concurrently with PHYS 1219.

### **PHYS 1225 (4 CREDITS) (4:0:2)**

#### **Physics II with Calculus**

This is a calculus-based introduction to electricity. The course examines electrostatics, electric field, electric current, circuits, magnetic field, electromagnetic induction, oscillations, alternating current, sound, optics, interference and diffraction, modern physics.

Prerequisite(s): PHYS 1125 with 'C' grade or higher; and MATH 1271 or MATH 1273/1283 (either of which may be taken concurrently).

Note: Students taking second year Physics courses are advised to take MATH 2362, 2371, 2471 and 2475.

### **PHYS 2309 (2 CREDITS) (1:0:3)**

#### **Intermediate Experimental Physics I**

The student will perform experiments in thermal physics and mechanics. Lectures will introduce the theory of error propagation, data analysis, and parameter determination for various theoretical models through the use of weighted least-squares curve-fitting. Computer software for data analysis and weighted least-squares curve-fitting will be introduced. The student will analyze data from the experiments using the methods and software introduced in lectures.

Prerequisite(s): PHYS 1125 and PHYS 1225

Note: Students will receive credit for only one of PHYS 2309, PHYS 2327 and PHYS 2328

### **PHYS 2323 (3 CREDITS) (3:1:0)**

#### **Newtonian Mechanics**

Classical particle physics, Newton's laws of motion, conservation law, energy, momentum, angular momentum, potential energy, gravitation, planetary motion, non-inertial frames, motion in rotating frames, rigid body motion.

Prerequisite(s): (PHYS 1215 or 1225) and (MATH 1271 or 1273 or 1274 or 2371 (may be concurrent)) or permission of department.

### **PHYS 2325 (3 CREDITS) (3:1:0)**

#### **Thermodynamics and Heat**

Temperature, thermodynamic co-ordinates, equations of state, 1st Law, ideal gas, kinetic theory, 2nd Law, entropy, thermodynamic probability, partition function, enthalpy, Helmholtz's free energy, Gibb's free energy, specific heats, phase transitions, Brillouin function. (Fall Semester.)

Prerequisite(s): (PHYS 1215 or 1225) and (MATH 1271 or 1273 or 1274 or 2371 (may be concurrent)) or permission of department.

### **PHYS 2409 (2 CREDITS) (1:0:3)**

#### **Intermediate Experimental Physics II**

This course is a continuation of PHYS 2309. Lectures will introduce theory of alternating current circuits, digital electronics and modern physics. Students will perform laboratory experiments in these areas. Students will use computer software for data analysis and curve-fitting, as introduced in PHYS 2309. Students will select and perform one extended experimental project, and report on it in a formal lab report and a presentation.

Prerequisite(s): PHYS 2309

Corequisite(s): Students will receive credit for only one of PHYS 2409 and PHYS 2427.

### **PHYS 2424 (3 CREDITS) (3:1:0)**

#### **Relativity and Quanta**

(Formerly: Modern Physics)

Special relativity, origins of quantum theory, introductory quantum mechanics, atoms and molecules, solid state, nuclear and particle physics, astrophysics and cosmology.

Prerequisite(s): PHYS 1225; and MATH 1271 or 1273; or permission of the department.

### **PHYS 2425 (3 CREDITS) (3:1:0)**

#### **Electricity and A-C Circuit Theory**

Charge, current, current density, resistivity, E, B, flux, electromagnetic induction, inductive reactance, capacitive reactance, complex form of Ohm's law, impedance, admittance, networks, filters, transmission lines.

Prerequisite(s): (PHYS 1215 and MATH 2471, may be concurrent) or (PHYS 2328 and MATH 2471, may be concurrent); minimum 'C-' grade or permission of the department.

## **Political Science**

(POLI)

### **POLI 1100 (3 CREDITS) (2:2:0)**

#### **Introduction to Government and Politics**

This course provides a comprehensive introduction to the study of government and politics. It examines the major methods, approaches and issues in Political Science, as well as the primary components of government structure and the political process.

Note: This course is a prerequisite for all subsequent Political Science courses at Simon Fraser University.

### **POLI 1119 (3 CREDITS) (3:1:0)**

#### **Canadian Politics and Government**

This introductory course deals with the origins and structure of Canadian government and analyses the social and political forces which shape our current political system. Topics include Parliament, the PM and Cabinet, political parties, Quebec nationalism, and the Charter of Rights and Freedoms.

### **POLI 1140 (3 CREDITS) (3:1:0)**

#### **Introduction to International Relations**

An introduction to the politics of world society, its historical development, the major forms of analysis of global political structures and foreign policies, and contemporary security problems.

### **POLI 1145 (3 CREDITS) (3:1:0)**

#### **Peace and Conflict in the Modern World**

The history of war; causes and consequences of war; the nuclear threat; the relationship of the arms race to other global problems; arms control and disarmament; Canada's role.

Note: POLI 1145 is one of the core courses of the Peace and Conflict Studies Program.

### **POLI 1160 (3 CREDITS) (3:1:0)**

#### **Contemporary Ideologies**

An introduction to the major political ideologies of the 19th and 20th Centuries, including democracy, conservatism, liberalism, socialism, anarchism, communism, fascism and feminism.

### **POLI 1195 (3 CREDITS) (3:1:0)**

#### **Special Topics I**

This number is reserved for Political Science courses that may be offered from time to time by: a) College Political Science Faculty who may wish to present a course in their

specialty which may be of limited interest; or b) Visiting Political Science Lecturers

Prerequisite(s): will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding POLI 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

### **POLI 1250 (3 CREDITS) (3:1:0)**

#### **Politics in the Developing Nations**

This course examines the political, social and economic forces at work in the "Third World," sometimes called the "developing" or "majority" world (e.g., Cuba, South Africa, Indonesia). The countries covered vary with the instructor.

### **POLI 2209 (3 CREDITS) (2:2:0)**

#### **Canadian Public Policy**

An examination of how laws are developed and implemented in Canada. Topics will include general policy-making theory as well as the roles of the public, parliament, cabinet, and public service in policy development.

Prerequisite(s): POLI 1100 or 1119 or 2250 (Formerly 1150).

### **POLI 2219 (3 CREDITS) (2:2:0)**

#### **Canadian Public Administration**

A study of the administration of government in Canada, including current social and political patterns in modern large-scale organizations, the organization of the Government of Canada and power of the bureaucracy. This course should be of particular interest to students planning to take Commerce.

Prerequisite(s): POLI 1100 or 1119 or 2250 (Formerly: 1150).

### **POLI 2229 (3 CREDITS) (2:2:0)**

#### **Introduction to Urban Politics**

A general introduction to Canadian local politics and government, with specific focus on Vancouver and the British Columbia case. Topics will include electoral systems, party politics, local pressure groups, the role of bureaucracy, regional government and the relationship of cities to provincial and federal administrations.

Prerequisite(s): One of POLI 1100, 1119, or 2250 (Formerly 1150); or APPL 1140; or APPL 1130 and 1210.

### **POLI 2239 (3 CREDITS) (3:1:0)**

#### **Topics in Canadian Politics**

This course will be offered from time to time. It will feature topics of current interest in Canadian Politics.

Prerequisite(s): POLI 1119

### **POLI 2240 (3 CREDITS) (3:1:0)**

#### **International Political Economy**

An introduction to the elements of international political economics including trade, monetary issues, trans-national corporations, poverty, dependency, development, and the environment. Any previous Political Science or Economics course is helpful.

### **POLI 2245 (3 CREDITS) (3:1:0)**

#### **Canadian International Relations**

This general introduction to a variety of topics in Canadian international relations (defence concerns, foreign policy, and international economics) will use competing analyses to explain Canadian actions. Examples will include NATO, NORAD, US-Canada relations, peacekeeping, policy initiatives, the UN, WTO, NAFTA, and the role of Canadian civil society. Historical context and current concerns will be emphasized.

Prerequisite(s): POLI 1119 or POLI 1140 or POLI 1145.

### **POLI 2250 (3 CREDITS) (3:1:0)**

#### **Comparative Politics: Western Liberal Democracies**

A comparative analysis of the government and politics of selected western liberal democracies (e.g., the U.K., France, Germany, the U.S.A.). The countries covered vary with the instructor.

Note: Students may only receive credit for one of POLI 1150 or POLI 2250.

### **POLI 2260 (3 CREDITS) (4:0:0)**

#### **An Introduction to Democratic Socialism**

A survey of socialism from the French Revolution to the present. Topics include: Democracy, Capitalism, Marxism, Leninism, Anarchism, Social Democracy, Globalization, Social Ecology.

Prerequisite(s): POLI 1160 or PHIL 2226 or permission of the instructor.

### **POLI 2265 (3 CREDITS) (4:0:0)**

#### **Surveillance and Terror: The Politics of Totalitarianism**

This course will introduce students to the main features of totalitarian forms of government, as these are articulated in political theory. The course will emphasize the differences between totalitarianism and authoritarianism and will explore the intersecting propaganda, surveillance, and terror systems employed by the totalitarian regimes.

Prerequisite(s): Any POLI course; or permission of the department.

### **NEW POLI 2270 (3 CREDITS) (3:1:0)**

#### **Introduction to Western Political Thought**

This course is designed as an introduction to the field of political theory through the study of the classic theorists of the western liberal political tradition.

Prerequisite(s): Any university-transferable political science or philosophy course; or permission of the instructor.

### **POLI 2275 (3 CREDITS) (3:1:0)**

#### **Introduction to Western Feminist Social and Political Thought**

Feminism is not a monolithic movement with a unified theoretical base. Feminism encompasses a variety of approaches, methodologies and political objectives. This course will situate feminist thought within the broader context of mainstream political theory, describing how feminists have contested traditional descriptions of political life, power, and citizenship. An emphasis will be placed on the social and political contexts within which feminist action has occurred and does occur.

### **NEW POLI 2280 (3 CREDITS) (3:1:0)**

#### **The Human Condition**

An interdisciplinary introduction to political science in the context of psychology, anthropology, philosophy, and history, among other perspectives, exploring questions about the human condition, power, and our relationship with nature.

Note: Students who received credit for POLI 1195 (The Human Condition) in the Spring Semester 2010 or the Fall Semester 2010 will receive credit for only one of POLI 1195 and POLI 2280.

### **POLI 2295 (3 CREDITS) (3:1:0)**

#### **Special Topics II**

This number is reserved for Political Science courses that may be offered from time to time by: a) College Political Science Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Political Science Lecturers

Prerequisite(s): will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding POLI 2295 offerings will be made in the *Registration Guide* and *Course Schedule*.

## **Professional Photography**

### **(PHOT)**

Except for PHOT 1100, the following photography courses are restricted to students enrolled in the Professional Photo-Imaging Program. PHOT 1100 is open to all Langara College students.

Prerequisites: Prerequisites for all Photography courses: C+ or higher grade in all previous term Professional Photo-Imaging Program courses, or permission of the Department.

### **PHOT 1100 (3 CREDITS) (3:0:4)**

#### **Photographic Explorations**

This course introduces students to the basic aspects of film and digital photography with emphasis on practical knowledge through hands-on learning. Students can choose an area of interest with the term project.

Note: This course is open to all Langara College students.

### **PHOT 1118 (3 CREDITS) (2:0:5)**

#### **Principles of Photo-Imaging I**

This course covers the fundamental principles of photography and how these are related to everyday working practices employed by photographers and laboratory technicians. Laboratory assignments are designed to show the theoretical and practical applications which are important for a working knowledge of the topics.

### **PHOT 1128 (3 CREDITS) (3:0:5)**

#### **Applied Photo-Imaging Techniques I**

This course provides the important element of practical experience through a wide variety of hands-on assignments conducted both in the studio and on location. Some of the specialties touched upon are: advertising, architectural, commercial, copying, photo-journalism and portraiture. A thorough knowledge of the view camera is gained in the first two terms while other formats are frequently used in the third term. Print finishing and presentation which includes meeting deadlines are also emphasized in the course. The course aims to develop creative as well as technical competence.

### **PHOT 1180 (0 CREDITS) (0:2:0)**

#### **Photo-Imaging Explorations I**

This course is a module (four per term) of specialized photo-industry topics taught by guest lecturers. Graded S/U.

Note: Students must take all PHOT 1180, 1280, 2380 and 2480. Credit will be granted upon completion of PHOT 2480.

### **PHOT 1215 (3 CREDITS) (2:0:2.5)**

#### **Quality Control**

Principles of sensitometry, quality control, and colour management are the three main topics that are covered in this course. A strong emphasis is placed upon the application of these three areas to the types of tasks that are carried out by a quality control technician in a professional lab. Colour management topics include calibration of printers, custom ICC profiles, colour spaces, and current trends in workflow.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 1218 (3 CREDITS) (3:0:4)**

#### **Principles of Photo-Imaging II**

This course covers the fundamental principles of photography and how these are related to everyday working practices employed by photographers and laboratory technicians. Laboratory assignments are designed to show the theoretical and practical applications which are important for a working knowledge of the topic.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 1228 (5 CREDITS) (4:0:6)**

#### **Applied Photo-Imaging Techniques II**

This course provides the important element of practical experience through a wide variety of hands-on assignments conducted both in the studio and on location. Some of the specialties touched upon are: advertising, architectural, commercial, copying, photo-journalism and portraiture. A thorough knowledge of the view camera is gained in the first two terms while other formats are frequently used in the third term. Print finishing and presentation which includes meeting deadlines are also emphasized in the course. The course aims to develop creative as well as technical competence.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 1248 (3 CREDITS) (4:0:2)**

#### **Introduction to Computer Imaging**

An introduction to capturing existing images and creating original electronic images. Scanners and digital cameras will be used for image capture. Image enhancement using Photoshop and/or Live Picture will be covered in detail.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 1280 (0 CREDITS) (0:2:0)**

#### **Photo-Imaging Explorations II**

This course is a module (four per term) of specialized photo-industry topics taught by guest lecturers. Graded S/U.

Note: Students must take all PHOT 1180, 1280, 2380 and 2480. Credit will be granted upon completion of PHOT 2480.

### **PHOT 2328 (3 CREDITS) (2:0:7)**

#### **Colour Technology I**

This course covers basic and advanced colour photography and colour printing with the major emphasis on the negative-positive method of producing colour prints. Also included are quality control, masking, spotting, and experience in the operation of a one-hour laboratory. Electronic imaging in relation to conventional colour is also covered.

Prerequisite(s): 'C+' or higher grade in all previous Photo-imaging Program courses.

### **PHOT 2338 (3 CREDITS) (2:0:7)**

#### **Applied Photo-Imaging Techniques III**

This course provides the important element of practical experience through a wide variety of hands-on assignments conducted both in the studio and on location. Some of the specialties touched upon are: advertising, architectural, commercial, copying, photo-journalism and portraiture. A thorough knowledge of the view camera is gained in the first two terms while other formats are frequently used in the third term. Print finishing and presentation which includes meeting deadlines are also emphasized in the course. The course aims to develop creative as well as technical competence.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2348 (3 CREDITS) (2:0:3)**

#### **Advanced Computer Imaging**

This course builds on skills learned in PHOT 1248 exploring multimedia applications, on-line publishing, Quick Time VR, CD-ROM and digital video applications.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2380 (0 CREDITS) (0:2:0)**

#### **Photo-Imaging Explorations III**

This course is a module (four per term) of specialized photo-industry topics taught by guest lecturers. Graded S/U.

Note: Students must take all PHOT 1180, 1280, 2380 and 2480. Credit will be granted upon completion of PHOT 2480.

### **PHOT 2418 (3 CREDITS) (4:0:0)**

#### **Professional Issues**

A survey of such topics as the history of professional photography; professional organizations; copyright legislation; ethics; and business practices. Presentations by guest speakers from the business and legal communities, as well as by students, will complement the instructor's material.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2428 (3 CREDITS) (2:0:7)**

#### **Colour Technology II**

This course covers basic and advanced colour photography and colour printing with the major emphasis on the negative-positive method of producing colour prints. Also included are quality control, masking, spotting, and experience in the operation of a one-hour laboratory. Electronic imaging in relation to conventional colour is also covered.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2442 (3 CREDITS) (0:6:0)**

#### **Multi-Media**

Additional skills in multi-imaging will be obtained by producing more complex productions. Students will act as producers and directors, exploring applications in traditional and new media. Emphasis is placed on client objectives, scripting, budgeting and editing. Students will work on the department newsletter and Pacific Rim Magazine assignments.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2446 (3 CREDITS) (0:6:0)**

#### **Photo-Imaging Services**

Custom processing and custom print operations both at the College and on location at an operating "Custom" or "One-Hour" Laboratory with additional assignments in printing, processing and quality control.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2450 (3 CREDITS) (0:6:0)**

#### **Commercial Photography**

Photography for catalogue and illustration purposes is the emphasis of this course. Working to layouts as well as creative and conceptual photographs are attempted. All work is geared to potential client requirements and the highly demanding advertising industry. Students will provide images for Pacific Rim Magazine.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2456 (3 CREDITS) (0:1:5)**

#### **Digital Photography**

This advanced option provides further continuity following PHOT 2348 for those students who desire more practical experience in capturing, making and manipulating digitized images. A considerable amount of the hands-on experience will be sought at a suitable industry sponsor's location during the field experience portion of the term.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### **PHOT 2462 (3 CREDITS) (0:6:0)**

#### **Photojournalism**

In this advanced option the emphasis is upon photography for newsletters, magazines, annual reports and brochures. Slides (transparencies) for multi-image productions, general public relations and publicity photographs are additional minor parts of the course. Students will gain experience in providing photographs for the college newspaper and other related productions.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### PHOT 2466 (3 CREDITS) (0:6:0)

#### Portrait Photography

This course emphasizes the work done by a portrait studio, including reception, portrait psychology, marketing, public relations, print finishing and presentation. Various subjects are photographed both in the studio and on location as in wedding assignments or the making of environmental portraits.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### PHOT 2470 (3 CREDITS) (0:6:0)

#### Scientific Photography

Students complete assignments for the departments within Langara that have need of photographs for displays or teaching purposes. Frequently the techniques used involve macro and micro set-ups.

Prerequisite(s): 'C+' or higher grade in all previous Photo-Imaging Program courses.

### PHOT 2480 (3 CREDITS) (0:2:0)

#### Photo-Imaging Explorations IV

This course is a module (four per term) of specialized photo-industry topics taught by guest lecturers.

Note: Students must take all PHOT 1180, 1280, 2380 and 2480. Credit will be granted upon completion of PHOT 2480.

## Psychology

### (PSYC)

For more detailed information about the Department of Psychology, please visit the department website.

#### Note

Students intending to major in psychology at a university are advised to take PSYC 1115, 1215, 2320, and 2321, plus other second-year courses necessary to transfer into the third year of a bachelors program. As second-year requirements vary from institution to institution, students are advised to familiarize themselves with the programs of the university to which they want to transfer.

### PSYC 1115 (3 CREDITS) (3:1:0)

#### Fundamentals of Psychology I

An introduction to Psychology, emphasizing the scientific method in the study of human behaviour. The course focuses on the history and methods of psychological enquiry, the phenomena of sensation and perception, and the fundamentals of conditioning and learning. Other topics, including human development, physiology, and the properties of language, thinking and states of awareness, will be selected at the discretion of the instructor.

Note: PSYC 1215 can be taken prior to PSYC 1115 or vice versa or they can be taken concurrently. PSYC 1115 will also be offered by Guided Independent Study and via the Internet. See *Registration Guide* and *Course Schedule* for details.

### PSYC 1195 (3 CREDITS) (3:1:0)

#### Special Topics I

This number is reserved for Psychology courses that may be offered from time to time by: a) College Psychology faculty who may wish to present a course in their specialty which may be of limited interest; or, b) Visiting Psychology lecturers.

Prerequisite(s): will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding PSYC 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

### PSYC 1215 (3 CREDITS) (3:1:0)

#### Fundamentals of Psychology II

An introduction to Psychology. Emphasis is on the individual. The course will include the study of motivation, emotion and personality. Other topics, including human development, theories of intelligence, the social basis of behaviour, the dynamics of adjustment, and the treatment of behaviour disorders, will be selected at the discretion of the instructor.

Note: PSYC 1215 can be taken prior to PSYC 1115 or vice versa or they can be taken concurrently. PSYC 1215 will also be offered by Guided Independent Study and via the Internet. See the *Registration Guide* and *Course Schedule* for details.

### PSYC 1295 (3 CREDITS) (3:1:0)

#### Special Topics II

This number is reserved for Psychology courses that may be offered from time to time by: a) College Psychology faculty who may wish to present a course in their specialty which may be of limited interest; or, b) Visiting Psychology lecturers.

Prerequisite(s): will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding PSYC 1295 offerings will be made in the *Registration Guide* and *Course Schedule*.

### PSYC 2312 (3 CREDITS) (4:0:0)

#### Tests and Measurements

This course is a survey of the current psychometric principles and strategies which are used to assess individual and group differences. Areas to be studied will include tests of: aptitudes, abilities, achievement, attitudes, interests, personality and intelligence. Students will examine a variety of tests to understand how they are administered, scored and evaluated. Additionally, they will have an opportunity to experiment with constructing their own psychological tests.

Prerequisite(s): PSYC 1115 and PSYC 1215 with 'C' grade or higher.

Note: PSYC 2312 will also be offered via the Internet.

**PSYC 2317 (3 CREDITS) (3:0:1)****Applied Psychology**

The course examines group theory and increases students' proficiency in the use of group skills. Lectures, small group experiential learning exercises and participation in a major group project are used to develop an understanding of group theory as well as to provide opportunities to apply the knowledge thus gained. Topics include group dynamics, communication, leadership, decision making, and management of controversy. Additional topics, such as psychology and the law and persuasion, will be included based on student career objectives.

**PSYC 2318 (3 CREDITS) (3:1:0)****Psychology of the Exceptional Child**

This course examines the antecedents, consequences and educational challenges of the preschool child with unusual needs and capabilities. Material will include both general and specific conditions and characteristics which make a child different, or in need of special consideration. Emphasis will be placed on observing, understanding, and promoting the psychological and educational welfare of these children. This course is oriented to the requirements of the Early Childhood Education and Special Education Assistant career programs.

Prerequisite(s): PSYC 1115 and 1215. Prerequisites waived for students enrolled in the Early Childhood Education or the Education Assistant programs.

**PSYC 2319 (3 CREDITS) (3:1:0)****Psychology of the Family**

Emphasizing the experience of the individual within intimate relationships, this course examines the various processes which inevitably affect families. Beginning with theories of attraction, students proceed to discussion of issues related to the development of a sense of compatibility, closeness and commitment. Definitions, types of marriage and family, the systems view of family life, communication, power and responses to stress are also dealt with. The final unit of the course addresses the central concerns of divorce, single parenting and the formation of blended families.

Prerequisite(s): PSYC 1115 and 1215 with a minimum grade of 'C+' or higher and a 2.33 overall GPA.

**PSYC 2320 (3 CREDITS) (3:1:0)****Research Methods in Psychology (Formerly: Introduction to Research Methods)**

A combined lecture-laboratory course dealing with the theory and practice of research design of experiments, the application of statistics to laboratory exercises, and the testing of experimental hypotheses.

Prerequisite(s): A minimum 'C+' grade in both PSYC 1115 and 1215.

Note: This course makes strong demands on students to produce high-level written English.

**PSYC 2321 (3 CREDITS) (3:1:0)****Data Analysis for Psychology**

This course introduces the concepts and methods of behavioural data analysis. It focuses on the use of descriptive and inferential statistics in psychological research, and the conceptual interpretation of data.

Prerequisite(s): PSYC 1115 and 1215 with 'C+' or higher. Within the previous 3 years, one of Principles of Mathematics 11 with a minimum 'C' grade, Applications of Mathematics 12 with a minimum 'C' grade, MATH 1150, or a satisfactory score on the Mathematics Diagnostic Test.

**PSYC 2322 (3 CREDITS) (3:1:0)****Social Psychology**

This course examines the effects of social influences on individual behaviour. Topics such as social perception, social cognition, interpersonal attraction, attitudes, mass media effects, prejudice, and aggression will be discussed.

Prerequisite(s): PSYC 1115 and 1215

Note: PSYC 2322 will also be offered via the Internet.

**PSYC 2323 (3 CREDITS) (3:1:0)****Psychology of Health and Adjustment**

A study of the ways in which individuals adjust to the demands of life. The course examines the nature and sources of stress as well as responses to stress. Evaluation of the self-concept in particular the personal, social, and vocational selves will be addressed.

Prerequisite(s): PSYC 1115 and 1215.

**PSYC 2324 (3 CREDITS) (3:1:0)****Developmental Psychology (Early Childhood)**

A study of the determinants of behaviour and the processes of growth and maturation during prenatal, infancy, and preschool periods. Physical, cognitive, social and emotional development are discussed.

Prerequisite(s): PSYC 1115 and 1215. Prerequisites waived for students enrolled in the Early Childhood Education or the Education Assistant career programs.

**PSYC 2326 (3 CREDITS) (3:1:0)****Psychological Disorders**

A review of the concept of disorder as used in Psychology and other clinical professions. The mental and behavioral features of various disorders are examined from a broad range of theoretical perspectives. Research on causes of disordered behaviour is discussed and evaluated.

Prerequisite(s): PSYC 1115 and 1215 with 'C' grade or higher.

**PSYC 2328 (3 CREDITS) (3:1:0)****Applied Early Child Psychology**

This course deals with applied aspects of early child development. Emphasis will be on investigating ways in which theories and research enrich an understanding of contemporary issues in early child development. Topics may include risk factors in prenatal development, day care, childhood anxiety, and child abuse.

Prerequisite(s): PSYC 1115 and 1215 or registration in the Early Childhood Education or the Education Assistant career programs.

**PSYC 2331 (3 CREDITS) (3:0:1)****Neuroscience**

All course topics approach behaviour from the standpoint of their neurophysiological and neuroanatomical correlates. Some specific subjects include the cell biology of the neuron; gross structure of the nervous system; sensory and motor systems; emotion; learning and memory; and language. While the emphasis is on acquisition of basic structural and functional concepts through the use of the text, lectures and visual aids, there may also be some opportunity for laboratory observation.

Prerequisite(s): PSYC 1115 and 1215 with 'C+' grade or higher and a 2.33 overall GPA.

### **PSYC 2332 (3 CREDITS) (4:0:0)**

#### **Psychology and Culture**

This course is an examination of the cultural forces involved in the development of a sense of self and the factors that can pose a challenge to this process. Included for consideration are topics relevant to the history of the study of culture and psychology; definitions/typologies of culture; the impact of culture on individual thought, emotion and behaviour; the identification and application of appropriate methodologies in research on cross-cultural comparisons of individual and group differences; the role of culture in the diagnosis and treatment of behavioural disorders; and strategies for facilitating constructive cross-cultural interaction.

Prerequisite(s): A minimum 'C' grade in both PSYC 1115 and 1215.

### **PSYC 2341 (3 CREDITS) (3:0:1)**

#### **Cognitive Psychology**

This course will deal with the basic findings and problems of research in the following core areas of Psychology: human memory and attention, language, thinking. It will emphasize content but it will also provide an opportunity to engage in laboratory research.

Prerequisite(s): PSYC 1115 and 1215 with 'C+' grade or higher and a 2.33 overall GPA.

### **PSYC 2413 (3 CREDITS) (3:1:0)**

#### **History of Psychology**

This course traces the development of modern Psychology from the rationalism of Descartes through modern humanism and into possible future directions. Landmark theorists and their contributions are studied. Special emphasis is placed on the social and scientific context in which the great theories of Psychology were developed.

Prerequisite(s): PSYC 1115 and PSYC 1215 with a 'C+' grade or higher.

### **PSYC 2424 (3 CREDITS) (3:1:0)**

#### **Developmental Psychology (Middle Childhood and Adolescence)**

This course is a continuation of PSYC 2324, although it can be taken separately. It is a study of the cognitive, emotional, and social development of the child during middle childhood and adolescence, and the factors influencing that development.

Prerequisite(s): PSYC 1115 and 1215. Prerequisites waived for students enrolled in the Early

Childhood Education or the Special Education Assistant career programs.

Note: PSYC 2424 will also be offered via the Internet.

### **PSYC 2425 (3 CREDITS) (3:1:0)**

#### **Developmental Psychology (Adulthood and Aging)**

This course is a study of social, emotional, personality, and cognitive development during the years of adulthood and aging. It will also deal with the psychological issues involved in such major life crises as death and dying.

Prerequisite(s): PSYC 1115 and 1215

### **PSYC 2426 (3 CREDITS) (3:1:0)**

#### **Psychotherapy**

An introduction to therapy for mentally distressed and behaviorally disordered persons of various ages. Numerous therapeutic approaches will be examined: psychodynamics, humanistic, behavioral, cognitive. Both individual and group methods will be discussed in relation to wide social issues. This course is not designed to teach how to use therapeutic techniques.

Prerequisite(s): PSYC 1115 and 1215

### **PSYC 3200 (3 CREDITS) (3:1:0)**

#### **Industrial Psychology: Personnel Selection**

This course examines the science and practice of a specialized field of Industrial/Organizational Psychology called Personnel Selection. Students will learn about how Industrial Psychologists assess jobs and assess people in order to make personnel selection decisions. Lectures, small group experiential learning exercises, and participation in a major group project are used to develop an understanding of the field of Personnel Selection as well as to provide opportunities to apply the knowledge thus gained. Topics include job analysis, test validation, utility analysis, assessment of intellect and personality, and job simulations.

Prerequisite(s): PSYC 1115 and 1215; or BUSM 2200.

### **NEW PSYC 3210 (3 CREDITS) (3:1:0)**

#### **The Psychology of Leadership**

What makes a great leader? This question has been of central interest to social psychologists and has inspired a wide range of theoretical and applied psychology research since the 1930s. Grounded in this

research, PSYC 3210 will have a strong applied emphasis, encouraging students to explore fundamental issues of leadership through mini-cases, discussion, readings, self-reflection, and group exercises. Students will learn how to assess leadership situations and how best to hone and apply their own leadership skills. Relevant leaders from the community will occasionally be invited to address the class.

Prerequisite(s): PSYC 1115 and 1215; or BUSM 2200.

### **NEW PSYC 3220 (3 CREDITS) (2:0:2)**

#### **Group Dynamics**

This course examines group processes from both a theoretical and practical perspective. Lectures, small group experiential learning exercises, and participation in a major group project are used to develop a detailed understanding of group interactions as well as to provide opportunities to apply this knowledge in professional situations. Topics include group dynamics, interpersonal communication, decision-making, conflict resolution, and leadership. Additional topics, such as group dynamics in business and legal environments, may also be included.

Prerequisite(s): PSYC 1115 and PSYC 1215; or BUSM 2200.

### **PSYC 3230 (3 CREDITS) (4:0:0)**

#### **Psychology and Culture (Formerly: PSYC 2332)**

This course is an examination of the cultural forces involved in the development of a sense of self and the factors that can pose a challenge to this process. Included for consideration are topics relevant to the history of the study of culture and psychology; definitions/typologies of culture; the impact of culture on individual thought, emotion and behaviour; the identification and application of appropriate methodologies in research on cross-cultural comparisons of individual and group differences; the role of culture in the diagnosis and treatment of behavioural disorders; and strategies for facilitating constructive cross-cultural interaction.

Prerequisite(s): PSYC 1115 and 1215; or BUSM 2200

Note: Students will receive credit for only one of PSYC 2332 and PSYC 3230.



### **NEW PSYC 3240 (3 CREDITS) (3:1:0)**

#### **The Psychology of Creativity**

What is the process underlying creativity and what are the characteristics of creative people? These questions have occupied the interests of researchers and practitioners from a wide variety of subdisciplines in psychology. Students will learn what psychological research can tell us about how creativity can be defined, how it develops, and how it manifests itself across various cultures and content domains. Grounded in research, PSYC 3240 will also have a strong applied emphasis, encouraging students to explore the creative process through discussion and small group experiential learning exercises.

Prerequisite(s): PSYC 1115 and PSYC 1215; or BUSM 2200

## **Publishing**

### **(PUBL)**

The following Publishing courses are restricted to students enrolled in the Publishing Program.

Prerequisites for all Publishing courses: Minimum 'C' grade in all previous term Publishing Program courses, or permission of the department.

### **PUBL 1115 (3 CREDITS) (3:1:0)**

#### **Writing for Publication**

This course examines how to write for publication in popular media. Most lessons concentrate on magazine writing, but advertising copywriting and writing for the Internet are also explored. Students generate and summarize story topics, and learn interviewing and research techniques. The focus is on gathering compelling content and writing with a tone that engages the audience.

### **PUBL 1118 (3 CREDITS) (3:1:0)**

#### **Designing for Print I**

Students will learn the basic principles of print publication design: typography, the design process, and layout principles. Participants will learn about logo design and then implement a communications package. Provides an overview of various publishing formats. Studies the effective use of graphic, computer graphics, and photographic illustrations. Evaluations are project-based, with an emphasis on portfolio development.

### **PUBL 1124 (6 CREDITS) (4:2:2)**

#### **Adobe Photoshop**

Students will learn Adobe Photoshop, the most used photo-retouching, pixel-based image editing software in print-based, online and CD-ROM publishing, working on Macintosh computers with colour monitors using a variety of tool functions. They will learn monitor calibration, colour correction, and colour verification techniques. By the end of this condensed, project-based course, students will be able to put together a number of imagesetter-ready photo collages on the computer, using multiple techniques and filters as well as combining graphics and image files from other sources.

### **PUBL 1129 (3 CREDITS) (3:1:2)**

#### **Page Layout Software**

This course serves as a foundation to spring magazine courses: the page layout software application used in the industry, its uses and applications as tools for graphic design and production artists. Instruction, exercises and projects are designed to develop proficiency in using the application through mini-lesson demonstrations, in-class exercises, projects, and lab time.

Note: Students will receive credit for only one of PUBL 1129 and PUBL 1126.

### **PUBL 1131 (3 CREDITS) (3:0:1)**

#### **Digital Illustration Tools and Software**

In this condensed, hands-on, project-based course students will learn illustration software currently used in the publishing and publishing-related fields. Software applications feature precise drawing and transformation tools, multiple layering, colour palettes, automatic graphing, precise typographic control over text, compound paths, masking, blending and gradations. Working on Macintosh computers, students will use graphics tablets, allowing them to combine illustration and photo-manipulation software to produce colour logos, 2D (or 3D) graphics, drawings, illustrations, and icons geared for high-quality offset printing, as well as for online and multimedia publishing.

### **PUBL 1155 (3 CREDITS) (3:0:3)**

#### **Editing Theory and Techniques**

Through work on Pacific Rim Magazine and other projects, students will engage in substantive editing, learning how publications are created and developed. Students will be responsible for content development, research, structure and organization of articles, corporate communications, and books, fact checking, choice of illustrations, writing of titles and subtitles, copyright, plagiarism, libel, and tone and level of language. They will also learn copy editing and proofreading, again through work on Pacific Rim Magazine and other projects. They will prepare copy on the computer using house style and attending to matters of style, usage, grammar, and mechanics.

Prerequisite(s): Minimum C grade in all previous term PUBL courses, or permission of the department.

### **PUBL 1157 (3 CREDITS) (3:1:0)**

#### **Advanced Typography**

Students learn about typography at an advanced level through a combination of hands-on projects, research, and the evaluation of typography as a core element of publication design: books, magazines, and electronic media. This course explores the subtleties of type in relation to audience, page structure, and personal style.

Prerequisite(s): A minimum 'C' grade in all previous term PUBL courses.

### **PUBL 1158 (3 CREDITS) (3:0:3)**

#### **Magazine Design**

Students will take a hands-on, project-based approach to magazine design with Pacific Rim Magazine as the main project. Topics include publication planning, developing appropriate magazine formats, design considerations, typography and page layout, graphics, the make-up of a magazine, stock and digital photography, and designing advertising for Pacific Rim Magazine. The main software programs are those for print, taught in a prior semester. The course instructor will act as Managing Art Director of PRM.

Prerequisite(s): Minimum C grade in all previous term PUBL courses, or permission of the department.

### **PUBL 1159 (3 CREDITS) (3:1:0)**

#### **Designing for Print II**

Building on skills gained in Designing for Print I, students will explore and practice print publication design theories in greater depth. Additional publishing formats, such as magazines and promotional materials, are explored. Evaluations remain project-based, with an emphasis on portfolio development. The major assignment will be a comprehensive magazine design project as preparation for the production of Pacific Rim Magazine.

### **PUBL 1161 (6 CREDITS) (5:1:3)**

#### **Magazine and Offset Print Production I**

Students will build portfolio-driven spot colour and full-colour publishing projects, with a focus on preparing materials for commercial printing. They will learn industry standards for providing print-ready digital files, including scanned images and illustrations, to create a magazine. Media kits, magazine workflow and planning will be explored, including prepress techniques, such as trapping, colour separation, and proofing methods.

Industry tours to commercial printers, publishing houses, and other related businesses will be arranged in the early part of the semester.

Prerequisite(s): Minimum C grade in all previous term PUBL courses, or permission of the department.

### **PUBL 1164 (6 CREDITS) (3:0:9)**

#### **Magazine and Offset Print Production II**

In this lab-intensive course, students will work with skills from previous courses to finalize the print-based 64-page glossy, colour version of Pacific Rim Magazine - the key project of the Langara Publishing program - on the computer, and output the entire digital magazine to colour proofs, ready for the commercial printer. This full-colour prepress process, one of the most sophisticated and widely-used forms of publishing, is a major focus of the Publishing program. Once the newsstand quality magazine is printed, it will be distributed throughout the Vancouver area.

Prerequisite(s): Minimum C grade in all previous term PUBL courses, or permission of the department.

### **PUBL 1225 (6 CREDITS) (4:2:2)**

#### **Electronic Communications**

Students will learn to write standards-compliant HTML and publish it to the web via FTP. Approximately half the courses will focus on developing HTML and Cascading Style Sheet (CSS) competence. The second half of the course will introduce an industry-standard visual authoring package such as Dreamweaver. This course also covers Photoshop treatment of web graphics and the differences and similarities between print and electronic design.

Prerequisite(s): A minimum 'C' grade in all previous term PUBL courses.

### **PUBL 1231 (6 CREDITS) (4:2:2)**

#### **Intermediate New Media Publishing**

This project-based course will introduce students to basic animation, interactivity and programming for the Web using Adobe Flash software. Students will complete exercises and projects, possibly including a practical lab exam to demonstrate their understanding of concepts and competency with the software. Students will design and produce a web-based portfolio website. They will prepare and submit a pre-production (copy content, content map,

design) and production schedule as well as give brief weekly written progress reports.

Prerequisite(s): Minimum C grade in all previous term PUBL courses, or permission of the department.

### **PUBL 1240 (2 CREDITS) (1:1:0)**

#### **Publishing Issues and Practices**

This course looks at publishing management practices and issues in magazine, book, corporate and Internet publishing. Topics will vary according to current publishing issues and may include circulation management, subscription fulfilment, book and magazine promotion, electronic rights, advertorials, e-books, print-on-demand, marketing to advertisers, the vanity press, split-run magazines, choice of publishing formats, stakeholder groups in corporate publishing, and government support for publications. A few classes will shift to a seminar format involving discussion of management practices pertinent to the publication of Pacific Rim Magazine.

### **PUBL 1241 (2 CREDITS) (1:0:2)**

#### **Self-Promotion in the Publishing Industry**

Students learn self-promotion techniques to increase their employability and to market their work as freelancers. They develop a portfolio that highlights their specialty in design, production or editing. Other topics include market research, client negotiations and presentation skills.

Prerequisite(s): Minimum C grade in all previous term PUBL courses, or permission of the department.

## Recreation

### (RECR)

The following courses are designed for students considering a career in recreation and wanting to complete the Diploma in Recreation Leadership with the option to advance to complete the Bachelor of Recreation Management Degree. RECR courses can also be taken to meet the requirements of the Leisure Studies Diploma and as electives for arts and science students.

As not all courses are offered each semester, students are advised to consult a Langara College counsellor or Recreation Department faculty when planning their program.

#### RECR 1160 (3 CREDITS) (3:1:0)

##### Foundations of Leisure and Recreation (Formerly: Foundations of Recreation)

This course presents a number of key concepts, issues, and topics related to the field of leisure and recreation. These include the basic history, psychology, and philosophy of recreation and leisure, as well as the scope of organizations and programs within Canada, i.e., the public, not-for-profit, and commercial sectors.

#### RECR 1162 (3 CREDITS) (2:2:6)

##### Direct Leadership in Recreation

This course is designed as an introduction to leadership techniques and theory as they relate to direct leadership of recreation activities. Students will learn skills for organizing and leading specific recreation activities, including co-operative games and group initiatives. A primary (and required) experience in this course is a four or five-day Outdoor Field School. There are additional costs related to this course.

#### RECR 1166 (3 CREDITS) (3:1:2)

##### Valuing Diversity in Leadership

An overview of the history, philosophy, and scope of the provision of inclusive leisure services for all members of a community. Emphasis will be placed upon identification of barriers to participation, the impact of such barriers and a plausible process for change. Examples of persons who have diverse backgrounds and abilities will be explored, as will familiarization with available services and support organizations.

#### RECR 1168 (3 CREDITS) (3:1:2)

##### Recreation Program Planning

This course is an introduction to the principles of planning, designing, implementing and evaluating recreation programs and services. This is accomplished through the application of a rational planning process involving needs and market assessment, developing objectives, value-based intentional program design models, advertising and evaluation techniques.

Prerequisite(s): Minimum 'C-' grade in one of RECR 1160, RECR 1162 or HKIN 1161.

#### RECR 1170 (3 CREDITS) (3:1:2)

##### Introduction to Recreation Facilities and Environments

An introduction to the design and operation of various recreation facilities and environments. Course topics include design, legislation, regulations, programming, preparation for special events, introductory human resource management, safety of environments, fiscal planning and budgeting, operations of selected facilities, and new trends and issues. It also includes field trips to selected recreation facilities and observation projects.

#### RECR 1195 (3 CREDITS) (3:1:0)

##### Special Topics I

This number is reserved for Human Performance and Recreation courses that may be offered from time to time by: a) College Human Kinetics and Recreation Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Human Kinetics and Recreation Lecturers.

Prerequisite(s): Prerequisites will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding the course offerings will be made in the *Registration Guide* and *Course Schedule*.

#### RECR 1270 (3 CREDITS) (2:0:2)

##### Applied Skills in Recreation Operations

The course is designed for the student to learn fundamental supervisory skills in the areas of legal liability, labour-management relations, security, contracting out, preventative maintenance, custodial procedures and staffing for efficient maintenance of recreation facilities. Includes field trips to selected recreation facilities and observation projects.

#### RECR 2260 (3 CREDITS) (3:1:2)

##### The Arts and Heritage in Recreation (Formerly: The Arts and Heritage in Recreation Service Delivery)

This course explores the nature of and values associated with arts and heritage in recreation. The relationships and responsibilities of recreation organizations, and of leadership personnel, to the provision and facilitation of arts and heritage opportunities will be a primary focus.

#### RECR 2288 (3 CREDITS) (0:2:6)

##### Personal Portfolio Development and Seminar

This course is designed to introduce students to the concepts and methods of reflective practice, niche recreation specialties, and self-directed learning. Students will "learn how to learn" from their own professionally-related experience and from the experience of others. With faculty supervision, students will develop self-directed learning plans to build their skills, knowledge and attitudes in recreation specialty areas of their choice. Students will begin to develop and tailor "portfolios of experiences and learning" that can form the basis of their future professional development and life-long learning. Graded S/U.

#### RECR 2295 (3 CREDITS) (3:1:0)

##### Special Topics II

This number is reserved for Human Performance and Recreation courses that may be offered from time to time by: a) College Human Kinetics and Recreation Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Human Kinetics and Recreation Lecturers.

Prerequisite(s): Prerequisites will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcements regarding the course offerings will be made in the *Registration Guide* and *Course Schedule*.

#### RECR 2361 (3 CREDITS) (3:1:2)

##### Applied Leadership in Recreation Organizations

This course presents a number of concepts, skills and issues related to effective leadership in recreation organizations. These include self-leadership, decision-making, group dynamics, supervision, and teamwork skills.

Prerequisite(s): RECR 1160

### **RECR 2388 (3 CREDITS) (0:1:5)**

#### **Internship Orientation and Portfolio Development**

This course has two interrelated themes. The first theme involves an orientation to the students' up-coming internships (in the fourth term). This orientation will include an introduction to the duties, responsibilities and assignments of the students as interns, and the process of investigating, assessing and choosing internship placements. The second theme is the continuation of the student's portfolio development in an area of their chosen recreation specialty. With faculty supervision, the students will develop self-directed learning plans and will acquire the "essential abilities", including certifications, that are needed by all competent practitioners in the field of recreation. Graded S/U.

Prerequisite(s): RECR 2288. This course must be taken in the term (Fall Semester) prior to the Internship Course.

### **RECR 2470 (3 CREDITS) (1:6:2)**

#### **Recreation Issues and Trends**

Problem-based learning approach to selected trends and issues in the field of recreation, and exploring their application to recreation settings. Various research techniques are investigated and practiced to meet these goals.

Prerequisite(s): RECR 1160

### **RECR 2487 (12 CREDITS) (0:7:21)**

#### **Recreation Internship**

This internship is a field-based contract with a recognized agency where the student can practice the learning outcomes of the courses from the first three semesters of the Diploma in Recreation Leadership Program. It is a full-time, supervised learning experience lasting for 14 weeks. Student obligations and responsibilities include both practical hours and academic research. The nature of the services provided by agencies often required flexible work schedules involving weekend and evening duty. Graded S/U.

Prerequisite(s): Completion of all required courses in first three terms of Diploma in Recreation Leadership Program. The exception of one non-Recreation, university-transferable course may be allowed with department permission.

Note: Students will receive credit for only one of RECR 2487 or RECR 2497.

### **RECR 2497 (12 CREDITS) (0:7:21)**

#### **Diploma Reflective Practicum in the Workplace**

This course is designed to help currently employed, full-time recreation practitioners who have a minimum of five years direct experience as a programmer (or equivalent level) become more intentional and more effective in their professional practice. Key concepts in the course include experiential learning, reflective practice, and the analysis of action theories. Learners will relate these concepts to their own workplaces with the help of a faculty supervisor and with the support of their employer. The course will take place at each learner's workplace. Students must judge their time to accommodate weekly communication with their faculty advisory and to write weekly reports about their on-site learning and research. A major term paper is also required. Prospective students must apply to the department for permission to take this course. Contact the Recreation Co-ordinator for more information. Graded S/U.

Prerequisite(s): Department permission and all required courses in first three terms of the Recreation Leadership Diploma Program. The exception of one non-Recreation, university-transferable course may be allowed with department permission.

Note: Students will receive credit for only one of RECR 2487 or RECR 2497.

### **RECR 3120 (3 CREDITS) (2:1:1)**

#### **Promoting Wellness Within Communities**

This course focuses on the role recreation practitioners play in the development of wellness in individuals, organizations they work for, and their communities. In addition to assessing their own wellness needs and creating personal plans for a balanced lifestyle, students will learn how to assess their organizations and communities, and implement appropriate active living and wellness programs to meet these larger needs.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **RECR 3160 (3 CREDITS) (3:1:0)**

#### **Leisure Theory and Applications**

This course examines the 'advanced foundations' of leisure theory and recreation practice. It looks at key

topics within the history, psychology, philosophy, and sociology of leisure, and the implications for recreation leadership.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade and RECR 1160 with a minimum 'C' grade; or permission of the department.

### **RECR 3200 (3 CREDITS) (2:1:1)**

#### **Management of Community Events and Festivals**

Using community development and project management approaches, students will learn to plan, organize, lead, and control small scale community events as well as large-scale festivals and multi-day events in the community. Course objectives are achieved through the application of skills in the planning and organizing of a real-life event in a recreation setting.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **RECR 3230 (3 CREDITS) (3:1:0)**

#### **Leadership and Management in Community Recreation**

This course examines the theory and practice of enthusiastic, respectful, effective leadership in recreation. It looks at concepts and skills that can enhance positive change in groups, teams, and organizations. It also examines self-awareness, values, diversity, and creativity as they apply to recreation leadership.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **RECR 3260 (3 CREDITS) (3:1:0)**

#### **Managing Cultural Programming in the Community**

This course builds on previous knowledge of the role arts, culture, and heritage play in community cultural development. Students will further their skills sets to include strategic cultural planning that informs and sustains effective arts management and administration. Students will acquire historical and theoretical grounding of community cultural development in relationship to best practices and increase

their comprehension of key characteristics and guiding principles in order to recognize, conceptualize and deliver successful cultural programming at a local and regional level. Students will expand their understanding for and application of partnerships, collaborative engagement, community consultation and funding opportunities in order to sustain and grow civic arts programming.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **RECR 4150 (3 CREDITS) (3:1:0)**

#### **Community Recreation Systems**

This course focuses on surveying the dynamic recreation system in a chosen community - ranging from health to local tourism. Using a mapping approach to baseline their own community, students will be able to compare and contrast this research to recreation systems in other communities through best practices research. Students will be able to use research factors such as demographics, values, cultures, and economics to recommend the feasibility of incorporating alternate recreation systems and relationships into their chosen community.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **RECR 4160 (3 CREDITS) (2:2:0)**

#### **Professionalism in Recreation Management**

This course addresses key aspects of professionalism in the management of recreation. The characteristics of a human services professional will be outlined and then applied to the practice of recreation leadership. Using contemporary, recreation-based case studies, and building on foundational principles of the field, students will develop a framework for professional thinking and ethical decision-making.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade, or permission of the department. RECR 3160 with a minimum 'C' grade.

### **RECR 4270 (3 CREDITS) (3:1:0)**

#### **Management of Recreation Facility Systems**

This course focuses on developing and implementing a current inventory of facilities in communities, conducting needs assessments of current and future facility requirements, and planning a strategy to best meet these facility and environment needs. Students will write a business proposal for a current or future facility and facilitate the process of implementing the proposal for construction, operation, and maintenance of facilities.

Prerequisite(s): Completion of a minimum of 60 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department.

### **RECR 4300 (3 CREDITS) (1:6:0)**

#### **Applied Major Project in Recreation**

Working collaboratively with fourth-year students in the BBA Program, students will complete a community recreation-based project in an organization. Students will work closely with an assigned instructor who will supervise the project, provide advice, and evaluate the student's performance in carrying out the research and the final report. The project can range from the preparation of a detailed 'consulting' plan, a business plan, or the development of specific program or service deliverables for a community-based municipal, regional district, or profit or non-profit organization. Students are encouraged to apply the concepts, skills, and techniques gained in previous course work. This course is considered a capstone course and is to be taken in the final semester.

Prerequisite(s): Completion of a minimum of 90 credits including 6 credits of university-transferable English or Communications with a minimum 'C' grade; or permission of the department. Students must be in their final year of the BRM Program and have completed BUSM 4200 with a minimum 'C' grade. BUSM 4200 may be taken concurrently with BUSM 4300.

## **Religious Studies**

(RELS)

### **RELS 1110 (3 CREDITS) (3:1:0)**

#### **Studying the Religions of the World**

An introduction to the study of religion emphasizing the breadth of religious belief and practice in the contemporary world. Major themes, such as ritual, belief, ethics and community, and religion and culture, are discussed.

### **RELS 1120 (3 CREDITS) (3:1:0)**

#### **Religions of the East**

An introduction to the study of the origins, ideas, practices, and evolution of Hinduism, Buddhism (including Zen), Taoism, Confucianism and Shinto.

### **RELS 1195 (3 CREDITS) (3:1:0)**

#### **Special Topics I**

This number is reserved for Religious Studies course that may be offered from time to time by: a) College Religious Studies faculty who may wish to present a course in their specialty; or b) visiting Religious Studies lecturers.

Note: Announcements regarding this course offering and prerequisites will be made in the *Registration Guide* and *Course Schedule*.

### **RELS 1210 (3 CREDITS) (3:1:0)**

#### **Buddhism**

A survey of the history of Buddhism from its founding to modern times. Included are traditions of South, Southeast and East Asia, as well as current issues such as Buddhism in the West, Buddhism and politics, and the Buddhist dialogue with Christianity.

### **RELS 1215 (3 CREDITS) (3:1:0)**

#### **Asian Mythology**

A broad spectrum of the myths of South, Southeast and East Asia are studied, both as texts which have their own history and as expressions of cultural institutions. The myths of minority groups in Asia are included.

### **RELS 1220 (3 CREDITS) (3:1:0)**

#### **Religions of the West**

This is an introductory survey course of the West's three primary religions: Judaism, Christianity and Islam. This course examines the historical and social development of these religions and the various experiences of each. We will also consider modern issues and events such

as the Holocaust; women, gays, lesbians and the Church. In other words, the course addresses both historical and contemporary factors that have impacted these faiths.

### **RELS 1230 (3 CREDITS) (3:1:0)**

#### **The Evolution of Early Christian Thought and Spirituality**

An enquiry into the cultural roots of western Christian civilization focusing on its Jewish, Greek, Roman, and Persian antecedents and its evolution during the first four centuries of our era. Attention is given to present day issues such as biblical criticism as well as Third World political and economic factors challenging traditional beliefs. Special focus is given to Jesus the Jew and to the problem of anti-Semitism in the early church.

### **RELS 1295 (3 CREDITS) (3:1:0)**

#### **Special Topics II**

This number is reserved for Religious Studies course that may be offered from time to time by: a) College Religious Studies faculty who may wish to present a course in their specialty; or b) visiting Religious Studies lecturers.

Note: Announcements regarding this course offering and prerequisites will be made in the *Registration Guide* and *Course Schedule*.

### **RELS 2210 (3 CREDITS) (3:1:0)**

#### **Religions Studied in Context**

This course explores religions as living traditions through field research in religious sites and with religious groups using a highly interdisciplinary interpretation of field data. The course is intended to complement the historical, textual, or comparative approach of the other courses in Religious Studies at Langara College.

Prerequisite(s): One of RELS 1110, 1120, 1220, 1230, 1210, 1215 or ANTH 2250.

## **Social Service Worker (SSRV)**

The following Social Service Worker courses, except SSRV 2000 and SSRV 2001, are restricted to students enrolled in the Social Service Worker Program unless otherwise noted in the *Registration Guide* and *Course Schedule*.

### **SSRV 1115 (3 CREDITS) (3:1:0)**

#### **History and Philosophy of Social Work**

A historical study of social problems, concepts, and trends in Britain, Canada, and the United States. Emphasis is on the changing methods employed to meet changing social needs. The profession's Code of Ethics is studied.

### **SSRV 1116 (2 CREDITS) (2:2:0)**

#### **Social Service Methods I**

A study of the concepts and basic principles of working with people in a helping relationship, including interpersonal skills and self care.

### **SSRV 1117 (3 CREDITS) (3:1:0)**

#### **Social Problems**

A study of special family and community problems, including areas such as poverty, diversity, and structural disadvantage.

### **SSRV 1118 (3 CREDITS) (4:0:0)**

#### **Community Practice Skills**

This course will introduce students to some concepts of community organising related to social service work. It will focus on interventions and practice skills that impact change at the community level.

### **SSRV 1119 (3 CREDITS) (3:1:0)**

#### **Social Service Methods II**

Building on the concepts of Social Service Methods I (SSRV 1116), this course will emphasize the mastery of practical skills and their application to the helping relationship.

### **SSRV 1120 (3 CREDITS) (2:0:1)**

#### **Social Policy**

A job-oriented study of legislation and social policies in the areas of income security, mental health, health and family services.

### **SSRV 1121 (3 CREDITS) (3:1:0)**

#### **Family in Society**

A study of the family as a unit in society. The growth and development stages, expanding and contracting family with emphasis on the changing roles and structure of families.

### **SSRV 1131 (1 CREDIT) (0:0:5)**

#### **Social Service Field Work I**

A practicum placement of up to 5 hours a week at an individual social service community agency. The practicum requires each student to work under the supervision of an agency field supervisor in order to learn how the needs of a particular client population are met by a particular agency. Graded S/U.

### **SSRV 1132 (1 CREDIT) (4:0:4)**

#### **Integrated Experiential Learning I**

Through a combination of visits to community agencies and public institutions, guest speakers, classroom sessions, and group activities, students will become familiar with various aspects of human service delivery and the social context in which those services are delivered.

### **SSRV 1219 (2 CREDITS) (2:2:0)**

#### **Community Response to Individual, Family & Social Problems**

Through a variety of classroom learning opportunities, including guest speakers and group discussions, students will focus on specific problem areas and the interventions of community agencies.

### **SSRV 1231 (5 CREDITS) (0:0:5)**

#### **Social Service Field Work II**

A continuation of the practicum placement begun in SSRV 1131. In addition, students will be required to do a 5 week full time block placement in a different community agency. This block placement begins after the Spring Semester's final exams are completed. Successful completion of Social Service Field Work I (SSRV 1131) is a prerequisite for this course.

### **SSRV 1232 (1 CREDIT) (4:0:4)**

#### **Integrated Experiential Learning II**

Building on the concepts of Integrated Experiential Learning (SSRV 1132), students will focus on additional human service sectors.

### **NEW SSRV 2000 (3 CREDITS) (4:0:0)**

#### **Introduction to Social Welfare in Canada**

This course will introduce students to the role that social work and allied professions play in the ameliorating of the social welfare conditions that affect people and communities. Through course assignments, students will be able to relate the contexts of their own experience to the social contexts of disadvantaged people.

Prerequisite(s): One of the following: LET 3 (or LPI equivalent); minimum 'C+' grade in one of English 12 or English Literature 12; minimum 'C' grade in one of ENGL 1127, 1128, or CMNS 1115; or an 'S' grade in one of ENGL 1107, 1108, or 1110.

Note: SSRV 2000 is open to all arts and science students. This course carries university-transfer credit. See BC Transfer Guide.

### **NEW SSRV 2001 (3 CREDITS) (4:0:0)**

#### **Introduction to Social Work Practice**

While learning about the practice of social work students in this course will have the opportunity to explore a variety of areas of practice within the Canadian context. They will explore the role of a social worker and develop an appreciation of how a helping professional can affect people's lives. They will also be introduced to the ethical underpinnings of the profession.

Prerequisite(s): One of the following: LET 3 (or LPI equivalent); minimum 'C+' grade in one of English 12 or English Literature 12; minimum 'C' grade in one of ENGL 1127, 1128, or CMNS 1115; or an 'S' grade in one of ENGL 1107, 1108, or 1110.

Note: Open to all arts and science students. This course carries university-transfer credit. See BC Transfer Guide.

## **Sociology**

### **(SOCl)**

SOCI 1120, 1121, 1122, 1123, 1126, 1127, and 1130 can be taken in any order.

### **SOCI 1110 (0 CREDITS) (0:1:0)**

#### **Sociology and Aboriginal Perspectives**

A non-credit course for Aboriginal students who wish to discuss Sociology as it relates to current Aboriginal peoples' issues. Course content and format to be established at the first session of each semester. Weekly one hour seminar. Not offered every semester.

Prerequisite(s): Requires previous or concurrent registration in a Sociology course or permission from Department.

### **SOCI 1120 (3 CREDITS) (3:1:0)**

#### **Introduction to Sociology: Models and Concepts**

Students will be introduced to models and concepts sociologists use to think about society in terms of its maintenance and construction through everyday social interactions. Subjects that may be explored include culture and its effects; socialization; mass media; how gender is constructed and its influences; social inequality; world-views and life-chances; sexuality and society; as well as understanding crime and deviance.

Note: SOCI 1120 and 1121 may be taken in either order or concurrently.

### **SOCI 1121 (3 CREDITS) (3:1:0)**

#### **Introduction to Sociology: Structures and Processes**

Students will study how individuals are embedded in societal structures and processes that influence thought, feeling, and behaviour. Subjects may include race and ethnicity, family, education, religion, health and medicine, the environment, social interaction, and politics.

Note: SOCI 1120 and 1121 may be taken in either order or concurrently.

### **SOCI 1122 (3 CREDITS) (3:1:0)**

#### **Sociology Through Literature**

An analysis of modern sociology through selected illustrative materials from various literatures. Not offered every semester.

### **SOCI 1123 (3 CREDITS) (3:1:0)**

#### **Animals and Society**

This course is an introduction to human-animal relations. It focuses on the impact that non-human animals have had on human societies and the impact that humans have had on the lives of animals.

Topics may include the social construction of animals; the human domestication of animals; animal issues in politics and law; the role of animals in science, commerce, and sport; companion animals; and animal cruelty and abuse.

### **SOCI 1126 (3 CREDITS) (3:1:0)**

#### **Introduction to Environmental Sociology**

An introduction to central sociological concepts and theories through the use of environmental examples. Students will gain a deeper understanding of the environment as a social issue, how environmental issues come to be constructed, the social structural and cultural origins of environmental problems, and how these problems can be understood in terms of the sociological perspective.

### **SOCI 1127 (3 CREDITS) (3:1:0)**

#### **Social Problems**

An examination of social structures and processes involving problems in personal and institutional adjustments. Topics include crime and delinquency, familial disruption, emotional disturbance, prejudice and discrimination, joblessness, poverty, and institutional conflict in Canadian society.

### **SOCI 1130 (3 CREDITS) (3:1:0)**

#### **Sociology and Aboriginal Peoples' Issues (Formerly: Sociology and First Nations Issues)**

A sociological introduction to the Aboriginal life experience and the formation of Canadian society. This course examines the place of Aboriginal peoples in the structure of Canadian society including such topics as social inequality, education, health care, housing, criminal justice, work and the political order.

### **SOCI 1195 (3 CREDITS) (4:0:0)**

#### **Special Topics**

This number is reserved for Sociology courses that may be offered from time to time by: a) College Sociology Faculty who may wish to present a course in their specialty which may be of limited interest; or b) Visiting Sociology Lecturers.

Note: Announcements regarding SOCI 1195 offerings and prerequisites will be made in the *Registration Guide* and *Course Schedule*.

### **SOCI 2200 (3 CREDITS) (3:1:0)**

#### **An Introduction to Modern Sociological Thought**

An introduction to sociological theory, focusing on the key and persistent issues of the discipline. The course will consider such problems as social order versus social change, objectivity versus subjectivity, individualism versus holism, values versus facts, and other issues; it will examine the major thinkers and schools of thought in sociology in the light of what they said on these issues. This course will also be concerned with the role of theory, facts, explanations, verstehen, and models in sociological inquiry.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2205 (3 CREDITS) (3:1:0)**

#### **Sociology of Deviance**

An examination of sociological theories of deviance, focusing on contemporary issues such as crime, juvenile delinquency, drug addiction, vandalism, the abuse of persons, prostitution, and mental illness. The institutional and informal systems of social control will be examined. May not be offered every semester.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2210 (3 CREDITS) (3:1:0)**

#### **Racism and Ethnic Relations**

An introduction to the social processes involved in understanding racial and ethnic minority/majority group relations in Canada and around the world.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2220 (3 CREDITS) (2:2:0)**

#### **Women and Social Structure**

An analysis of the formal and informal organizational structures and social processes, including theories of socialization and of social stratification, associated with understanding the status and objective conditions of women in Canadian society.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2222 (3 CREDITS) (3:1:0)**

#### **Social Change and Globalization**

An investigation of the sociological problems, theories, and ideas concerned with understanding and explaining social change. Various factors influencing social change in the contemporary global context will be examined.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2223 (3 CREDITS) (3:1:0)**

#### **Industrialization**

The process of industrialization, the work force, the scale of society, consensus in society, and world-wide industrialization.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2225 (3 CREDITS) (3:1:0)**

#### **Crime, Punishment and Justice in Historical Perspective**

An examination of society's reaction to law violations in a historical and contemporary context. Attention is focused upon religious, political, social, and philosophical thought influencing the evolution of punishment and the relationship between crime, class, and power in the development, implementation, and modification of penal methods.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **NEW SOCI 2230 (3 CREDITS) (3:1:0)**

#### **Research Methods in Sociology and Anthropology**

This course provides a comprehensive overview of the distinctive, quantitative, and qualitative approaches to Sociology and Anthropology research. It will emphasize the practical application of research design and data collection techniques by requiring students to conduct and present their own research projects.

Prerequisite(s): SOCI 1120 or ANTH 1120 plus one additional Sociology or Anthropology course; and one of the following: LET with a minimum Level 3 or LPI equivalent; BC English 12 or equivalent with a minimum 80%; a university-level English or Communications course for which Langara awards transfer credit, with a minimum 'C-'; or an 'S' in one of ENGL 1107, 1108, or 1110. 'C' or higher grade in Mathematics 11 or Precalculus 11, or within the last year, a score of 60 on Langara College's Mathematics Diagnostic Test.

### **SOCI 2233 (3 CREDITS) (3:1:0)**

#### **Sociology of Cyberspace**

An examination of the social impact of modern technology on social relations, personal perceptions and the environment. The information highway will be examined in terms of the larger processes of economic globalization and the concurrent restructuring of work relations.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

Note: To be offered via the Internet ([www.langara.bc.ca](http://www.langara.bc.ca)).

### **SOCI 2240 (3 CREDITS) (3:1:0)**

#### **Contemporary Social Movements**

A sociological examination of some of the major social movements, and their contesting ideologies, through which the contemporary social world is constructed. Theoretical tools will be developed to analyze movements organized around the ideas and practices of varieties of: neo-conservatism, feminism, ethno-nationalism, environmentalism, socialism, and religious fundamentalism. A cross-cultural perspective will be emphasized.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2250 (3 CREDITS) (3:1:0)**

#### **The Sociology of the Family**

A sociological analysis of the family including sex roles, children's rights, adoption and identity, marriage, divorce, socialization, and change in both historical communities and modern industrial societies.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.

### **SOCI 2260 (3 CREDITS) (3:1:0)**

#### **Sociology of Popular Culture**

This course will investigate role of popular culture in everyday life from a variety of sociological perspectives. It will examine how 'popular' culture differs from other cultural forms, and the ways in which it is bound up with larger social and cultural processes.

Prerequisite(s): SOCI 1120; and one of SOCI 1121, 1122, 1125, 1127, 1130, or ANTH 1120.



## Spanish

### (SPAN)

Students with previous knowledge of Spanish should consult with the Department for suitable placement. Students with a 'C' grade or higher in a Spanish course cannot repeat the same course without departmental permission.

(NOT ALL SPANISH COURSES MAY BE OFFERED EVERY SEMESTER.)

#### SPAN 1107 (3 CREDITS) (3:0:1)

##### Preparatory Spanish

This course is designed to give beginning students in Spanish the best possible chance of success in the intensive Spanish 1115/1215 program. It is especially recommended for students who have never taken a language course or who have had difficulty with languages in the past. It is also open to general interest students. Basic concepts and language patterns will be emphasized. College credit only.

#### SPAN 1115 (3 CREDITS) (3:0:1)

##### Beginner's Spanish I

Beginner's courses in oral and written language; a prerequisite to the concentrated study of Spanish. Introductory courses for students who have no previous knowledge of Spanish.

#### SPAN 1118 (3 CREDITS) (3:0:1)

##### Intermediate Spanish I

Designed for students who want a less advanced course than SPAN 2119/2219. Grammar, composition, translation, oral practice, and reading in Spanish for students who have completed Grade 11 Spanish in secondary school, or Spanish 12 or SPAN 1215 with 'C-' grade or higher.

Prerequisite(s): Secondary school Spanish 11, or Spanish 12 or SPAN 1215 with at least a 'C-' standing.

Note: If you plan to continue your study of Spanish at university you must take SPAN 2119/2219. SPAN 1118 and SPAN 2119 may not be taken concurrently.

#### SPAN 1205 (3 CREDITS) (3:0:1)

##### Spanish Conversational Skills

A first year course designed to teach students to "Think on their feet" by means of activities emphasizing speaking and listening skills. Native speakers of Spanish not admitted.

Prerequisite(s): A minimum of SPAN 1115 or 1118

(or equivalent) with at least a 'C+'. May be taken after or concurrently with SPAN 1215, 1218, 2119, 2219.

#### SPAN 1215 (3 CREDITS) (3:0:1)

##### Beginner's Spanish II

Beginner's courses in oral and written language; a prerequisite to the concentrated study of Spanish. Introductory courses for students who have no previous knowledge of Spanish.

Prerequisite(s): SPAN 1115.

#### SPAN 1218 (3 CREDITS) (3:0:1)

##### Intermediate Spanish II

Designed for students who want a less advanced course than SPAN 2119/2219. Grammar, composition, translation, oral practice, and reading in Spanish for students who have completed Grade 11 Spanish in secondary school, or Spanish 12 or SPAN 1215 with 'C-' grade or higher.

Prerequisite(s): SPAN 1118

Note: If you plan to continue your study of Spanish at university you must take SPAN 2119/1219. SPAN 1218 and SPAN 2219 may not be taken concurrently.

#### SPAN 2119 (3 CREDITS) (3:0:1)

##### Spanish Language and Literature I

Oral and written practise including grammar review and composition; the reading of selected authors in the Spanish language.

Prerequisite(s): Grade 12 Spanish or SPAN 1215 or 1218 with a 'C+' grade or higher. May not be taken concurrently with SPAN 1118.

Note: A student who has attended secondary school in a Spanish speaking country may not register in any first or second year Spanish course without permission of the Department. SPAN 1118 and SPAN 2119 may not be taken concurrently.

#### SPAN 2219 (3 CREDITS) (3:0:1)

##### Spanish Language and Literature II

Oral and written practise including grammar review and composition; the reading of selected authors in the Spanish language.

Prerequisite(s): SPAN 2119. May not be taken concurrently with SPAN 1218.

Note: A student who has attended secondary school in a Spanish speaking country may not register in any first or second year Spanish course without permission of the Department. SPAN 1218 and SPAN 2219 may not be taken

concurrently.

## Statistics

### (STAT)

For more detailed information about the department of Mathematics and Statistics, including course outlines and advice on course selection, please visit our department website at [www.langara.bc.ca](http://www.langara.bc.ca). Search for "Math and Statistics."

#### Duplicate Courses

In some cases, different courses cover substantially the same material but are targeted to different audiences. Credit cannot be given for more than one such course or sequence. In particular, students may obtain College credit for at most one of STAT 1123, 1124, 1125, 1126, 1127, 1181. Students may not obtain College credit for both STAT 1124 and PSYC 2321.

#### University Transfer Commerce

Students wishing to enter the Business/Commerce programs at UBC are strongly advised to take the STAT 1181 and 2225 sequence for their Statistics requirement. Students planning to enter the Business program at SFU are strongly advised to take STAT 1181.

#### Prerequisites

Prerequisites for courses in Statistics are valid for only three years. Students wanting to register in a course for which the prerequisite was taken more than three years ago will require departmental permission. Students may be required to write a diagnostic test or to "upgrade" the prerequisite.

#### Repeating a course

A Statistics course may be taken only twice, regardless of the grade earned in the first enrolment. The department chair, or delegate, will decide on exceptions to this rule, usually on the basis of documented evidence of upgraded prerequisites.

### Diagnostic Tests

The Statistics Diagnostic Test is designed to assess background knowledge of students who wish to take STAT 1124 or 1127 and who do not have an appropriate prerequisite from within the previous five years.

Students wishing to take STAT 1123 or 1181 do not need to write the test. The Statistics Diagnostic Test and the Mathematics Diagnostic Test are written at the same location and time. Sample questions, a schedule of when the tests can be written for the upcoming term, and information about registering for the tests, are available at our Web site, [www.langara.bc.ca/mathstats/mdt](http://www.langara.bc.ca/mathstats/mdt)

### Note

Listed below are the official calendar course descriptions. For further information, the Department of Mathematics and Statistics maintains an instructional support website including more detailed course outlines and advice on course selection.

### STAT 1123 (3 CREDITS) (3:0:1)

#### Basic Probability and Statistics for Business

Includes: collection, classification, analysis, and presentation of numerical data; measures of location and variability; probability; random samples and sampling distributions; estimation of parameters; testing hypotheses; regression; index numbers; time-series; decision theory. Intended primarily for students in two-year Langara Business Administration Programs.

Prerequisite(s): None, but a grade of 'C' or higher in Mathematics 11 (or equivalent) is strongly recommended.

### STAT 1124 (3 CREDITS) (3:0:1)

#### Statistical Methods I

An introductory course in statistics developed through the concept of randomness for students in social sciences, nursing, social work, physiotherapy, business, etc. Topics will include sampling, experimental design, levels of measurement, descriptive statistics, regression, sampling distributions, normal distribution and inferential procedures of estimation and hypothesis testing. This course may be followed by STAT 1224. College credit will not be granted for both STAT 1124 and PSYC 2321.

Prerequisite(s): 'C' grade or higher in Mathematics 11, or Applications of Mathematics 12 (or equivalent) or 'C-' grade or higher in

MATH 1150 (Mathematics 11A or Introductory Mathematics 11 are not acceptable as prerequisites). Entrance may also be gained through the Statistics Diagnostic Test or by permission of the Statistics Co-ordinator.

### STAT 1181 (3 CREDITS) (3:0:1)

#### Descriptive and Elementary Inferential Statistics

A first course in probability and statistics including introduction to probability, descriptive statistics, regression, correlation, contingency tables, sampling distributions, estimation, hypothesis testing. This course may be followed by STAT 2225 or STAT 2281.

Prerequisite(s): MATH 1153, 1171, 1173 or 1174 with a 'C-' grade or higher or equivalent (may be taken concurrently).

Note: Students planning to transfer to Business Administration at SFU are advised to take both STAT 1181 and STAT 1182 for credit to SFU's BUEC 232.

### STAT 1182 (1 CREDIT) (1:0:2)

#### Using Excel in First-Term Statistics

This is an on-line course in which students who have already learned statistics can now learn to use Excel to carry out the usual first-term statistical graphs, calculations, and analysis.

Prerequisite(s): STAT 1123 or 1124 or 1181 or permission of department.

Note: Students planning to transfer to Business Administration at SFU are advised to take both STAT 1181 and STAT 1182 for credit to SFU's BUEC 232.

### STAT 1224 (3 CREDITS) (3:0:1)

#### Statistical Methods II

A continuation of STAT 1124. Emphasis on methods and assumptions. Topics will include elementary probability, review of estimation and hypothesis testing, Chi-square test, analysis of variance, linear regression and correlation, introduction to multiple regression, non-parametric tests. Design and data analysis, with use of computer packages.

Prerequisite(s): STAT 1181 or 1124 or 1127 with a 'C-' grade or higher or STAT 1123 or STAT 1126 with 'A-' or higher.

### STAT 2225 (3 CREDITS) (3:0:1)

#### Intermediate Statistical Inference

This continuation of STAT 1181 for students who want a deeper treatment of the techniques and theory of data analysis. A brief review of probability and elementary inference will be followed by two-sample inferences, regression and correlation, multiple regression, design considerations, analysis of variance, and non-parametric tests.

Prerequisite(s): STAT 1181 with a 'C-' grade or higher, or STAT 1124 or 1127 with an 'A' grade or higher.

### STAT 2281 (3 CREDITS) (4:0:0)

#### Probability and Elementary Mathematical Statistics

Probability, conditional probability, random variables, moments and moment generating functions, discrete distributions including the binomial, hypergeometric and Poisson distributions, continuous distributions including the exponential, uniform, Chi-square, Beta, and Normal Distributions, Central Limit Theorem, applications to statistics including sampling, model building, and hypotheses testing.

Prerequisite(s): MATH 1271 or 1273 with 'C-' grade or higher (or equivalent). Prior exposure to a course like STAT 1181 is recommended.

### STAT 3223 (3 CREDITS) (4:0:0)

#### Intermediate Quantitative Methods

Topics in this course include one and two population statistical inference; simple linear regression; multiple regression; index numbers and time series analysis; statistical decision theory; and linear programming. This course is intended primarily for students in a college business administration degree program.

Prerequisite(s): A minimum 'C+' grade in one of STAT 1123 or 1124; or a minimum 'C' grade in STAT 1181.

One of BCAP 1200, CPSC 1000, CPSC 1010, or the equivalent is strongly recommended.

## Theatre Arts

### (THEA)

The following Theatre Arts courses are restricted to students enrolled in the Theatre Arts at Studio 58 Program.

#### THEA 1110 (3 CREDITS) (0:1:6)

##### Acting I

Introduction to the basic principles of acting through improvisation and script work. Concentration. Freeing the imagination. Developing a rehearsal process. Integration of the voice and body. Elementary scene work. Identification of and work on individual acting problems.

#### THEA 1120 (3 CREDITS) (0:1:5)

##### Movement I

Body awareness and alignment. Tension release. Flexibility. Stamina. Agility. Some dance techniques.

#### THEA 1130 (3 CREDITS) (0:1:5)

##### Voice I

Freeing the voice. Work on breath support, relaxing vocal channel, range, resonance, diction and text. Connecting voice to body.

#### THEA 1140 (3 CREDITS) (1:1:4)

##### Theatre Skills I

Introduction to the etiquette and organization of professional theatre. Basics of set, costume and prop design and construction. Introduction to lighting design and set up. Assignments comprised of backstage work and front-of-house on Studio 58 productions.

#### THEA 1210 (3 CREDITS) (0:1:6)

##### Acting II

Introduction to the basic principles of acting through improvisation and script work. Concentration. Freeing the imagination. Developing a rehearsal process. Integration of the voice and body. Elementary scene work. Identification of and work on individual acting problems.

#### THEA 1220 (3 CREDITS) (0:1:5)

##### Movement II

Body awareness and alignment. Tension release. Flexibility. Stamina. Agility. Some dance techniques.

#### THEA 1230 (3 CREDITS) (0:1:5)

##### Voice II

Freeing the voice. Work on breath support, relaxing vocal channel, range, resonance, diction and text. Connecting voice to body.

#### THEA 1240 (3 CREDITS) (1:1:4)

##### Theatre Skills II

Introduction to the etiquette and organization of professional theatre. Basics of set, costume and prop design and construction. Introduction to lighting design and set up. Assignments comprised of backstage work and front-of-house on Studio 58 productions.

#### THEA 2110 (4 CREDITS) (0:1:9)

##### Acting III

Continuation of developing rehearsal skills and creative potential. Work in various periods and styles. Advanced scene work. Preparation of audition material.

#### THEA 2120 (3 CREDITS) (0:1:5)

##### Movement III

Movement skills such as mime, mask, tap dancing, period dance and continued work on body integration with text.

#### THEA 2130 (3 CREDITS) (0:1:5)

##### Voice III

Voice techniques including singing, some dialect work, speaking verse, diction, building a vocal warm-up. Application of vocal skills to acting and performance.

#### THEA 2140 (3 CREDITS) (0:1:5)

##### Theatre Skills III

Practicum in stage management and production, including heading a crew, running a crew and backstage and rehearsal etiquette.

#### THEA 2150 (13 CREDITS) (0:0:35)

##### Production Practicum I

Practicum and directed studies in theatre production in such areas as lighting, props, set construction, costuming, publicity, theatre administration, production administration and stage management.

#### THEA 2210 (4 CREDITS) (0:1:9)

##### Acting IV

Continuation of developing rehearsal skills and creative potential. Work in various periods and styles. Advanced scene work. Preparation of audition material.

#### THEA 2220 (3 CREDITS) (0:1:5)

##### Movement IV

Movement skills such as mime, mask, tap dancing, period dance and continued work on body integration with text.

#### THEA 2230 (3 CREDITS) (0:1:5)

##### Voice IV

Voice techniques including singing, some dialect work, speaking verse, diction, building a vocal warm-up. Application of vocal skills to acting and performance.

#### THEA 2240 (3 CREDITS) (0:1:5)

##### Theatre Skills IV

Practicum in stage management and production, including heading a crew, running a crew and backstage and rehearsal etiquette.

#### THEA 2250 (15 CREDITS) (0:0:40)

##### Production Practicum II

Continuation of Production Practicum I (THEA 2150).

#### NEW THEA 2300 (15 CREDITS) (0:0:40)

##### Production Practicum III

A continuation of Production Practicums I and II.

Prerequisite(s): THEA 2250.

#### THEA 3150 (15 CREDITS) (0:0:40)

##### Theatre Arts Practicum I (Formerly: THEA 2350)

Intensive practicum in Theatre Arts, including public performances at Studio 58, and work with professional companies. Audition techniques for Film, Television, and Theatre are developed. Also covered is how to market oneself as a Theatre Artist. Acting for film and television and introduction to the film/TV industry are included.

Note: Students may receive credit for only one of THEA 3150 or THEA 2350.

#### THEA 3250 (15 CREDITS) (0:0:40)

##### Theatre Arts Practicum II (Formerly: THEA 2450)

Continuation of Theatre Arts Practicum I (THEA 3150).

Note: Students may receive credit for only one of THEA 3250 or THEA 2450.

## Women's Studies

(WMST)

### WMST 1105 (0 CREDITS) (2:0:0)

#### Lecture Series

This is a non-credit, non-fee course consisting of a series of lectures and/or films on women's issues. A minimum of four lectures will be offered during the semester. Requirement for the Diploma in Arts and Science (Women's Studies).

### WMST 1116 (3 CREDITS) (3:1:0)

#### Investigating Women's Realities: An Introduction

An introduction to critical thinking about the lives of women. Through the lens of comparative theories and diverse perspectives, this course examines links and connections between personal and collective experiences - in the home, in the body, and on the street. Using an interdisciplinary and participatory approach, students will make sense of historical patterns and movements for social change.

### WMST 1195 (3 CREDITS) (3:1:0)

#### Women of the South

This number is reserved for Women's Studies courses that may be offered from time to time by: a) College Women's Studies Faculty who may wish to present a special interest course in their field of expertise; or b) Visiting Women's Studies Lecturers.

Prerequisite(s): Prerequisites will be announced in the *Registration Guide* and *Course Schedule*.

Note: Announcement regarding WMST 1195 offerings will be made in the *Registration Guide* and *Course Schedule*.

### WMST 1216 (3 CREDITS) (3:1:0)

#### Exploring Women's Lives: An Introduction

An introduction to naming and analyzing women's life experiences. Students will explore topics relevant to women's everyday lives such as body image, work and family, to develop a critical awareness of what limits and expands experiences, locally and globally, yesterday and today. This course considers how gender is constructed across age, class, race/ethnicity and sexuality. It pulls from a variety of disciplines and uses a popular education approach to shed light on issues and strategies for change.

Note: WMST 1116 and 1216 can be taken in any order.

### WMST 1220 (3 CREDITS) (4:0:0)

#### Women and Health

This course will examine the construction of women's health from a global perspective. Students will have the opportunity to develop critical skills for exploring issues that inform women's health in Canada and in other countries throughout the world.

### WMST 1230 (3 CREDITS) (3:1:0)

#### Women and Popular Culture

This course examines women's many different relationships to contemporary popular culture focusing on media such as film, television, music, magazines, popular events and trends, fan culture, and communication technologies. The course uses cultural studies and feminist theories to explore what is meant by 'pop culture' and to reflect on constructions of gender, race, class, sexuality and ability. Students will also explore how social movements, spectators, producers, and media activists resist stereotypes and create alternatives.

### WMST 1321 (3 CREDITS) (4:0:0)

#### Professional Growth IV: Empowerment

This course will provide for exploration of the sociological, political and cultural issues that impact on the empowerment of women. Participants will focus on these issues as they apply to the discipline of nursing.

Prerequisite(s): NURS 2220 with 'C' and NURS 2241 with 'S' and NURS 2251 with 'C' or permission of the instructor.

### WMST 2272 (3 CREDITS) (3:0:0)

#### Women and Social Change

This interdisciplinary course will focus on feminist theories and strategies for creating social change, concentrating on women's movements in Canada within an international context. A university transfer course.

Prerequisite(s): WMST 1116 or 1216 (preferably both).

### WMST 2274 (3 CREDITS) (3:0:0)

#### Women and Sexuality

This course will blend perspectives from several disciplines to examine the social forces and ideologies that have prescribed women's sexuality, and will analyze significant contemporary issues that have an impact on women's sexuality. A university transfer course.

Prerequisite(s): WMST 1116 or 1216 (preferably both).



# Index



# Index

<b>A</b>			
Aboriginal Studies	36		
Aboriginal Studies (ABST)	122		
Academic Records & Official Transcripts	19		
Academic Year 2011 - 2012	4		
Admission Information	8		
Anthropology (ANTH)	123		
Application for Admission	10		
Applied Computer Science and Technology	39		
Applied Planning (APPL)	125		
Applied Urban and Rural Planning	40		
Art History (AHIS)	127		
Arts and Science (General)	44		
Arts (General)	43		
Asian Studies	44		
Asian Studies (ASIA)	129		
Astronomy (ASTR)	131		
<b>B</b>			
Biology	45		
Biology (BIOL)	132		
Business Administration	46		
Business Computer Applications (BCAP)	135		
Business Management	50		
Business Management (BUSM)	136		
<b>C</b>			
Canadian Studies	52		
Canadian Studies (CNST)	139		
Chemistry	52		
Chemistry (CHEM)	139		
Chinese (CHIN)	141		
Chinook Business Program	53		
Classical Studies	54		
Classical Studies (CLST)	144		
College and Student Responsibilities	16		
Commerce	55		
Commerce & Business Studies	55		
Communications (CMNS)	145		
Computer Science	56		
Computer Science (CPSC)	146		
Computing Sc & Information Sys (CSIS)	150		
Co-operative Education	34		
Co-operative Education (COOP)	144		
Creative Writing	59		
Credentials	21		
Credentials Offered at Langara	28		
Criminal Justice	60		
Criminal Justice (CJUS)	151		
Criminology (CRIM)	151		
<b>D</b>			
Design (DSGN)	153		
Design Formation	61		
Dietetics	63		
<b>E</b>			
Early Childhood Education	64		
Early Childhood Education (ECED)	155		
Economics (ECON)	158		
Education Assistant	66		
Education Assistant (EDAS)	159		
Engineering	67		
English	68		
English (ENGL)	160		
Environmental Studies	68		
Environmental Studies (ENVS)	165		
<b>F</b>			
Family Studies	70		
Family Studies (FMST)	165		
Fees	17		
Field Studies	71		
Field Studies - Canadian (FSCA)	166		
Field Studies - International (FSIE)	166		
Film Arts (FLMA)	167		
Film Arts (Writing/Acting/Directing)	71		
Financial Aid	22		
Financial Management	73		
Financial Management (FMGT)	169		
Fine Arts	74		
Fine Arts (FINA)	171		
Food Services (FSRV)	174		
French (FREN)	175		
<b>G</b>			
General Education	76		
Geography	76		
Geography (GEOG)	176		
Geology (GEOL)	178		
Grades, Grade Points & Notations	20		
Grading	18		
Graduation	19		
Greek (GREK)	179		
<b>H</b>			
Health Sciences	76		
Health Sciences (HSCI)	179		
History (HIST)	181		
Human Kinetics	79		
Human Kinetics (HKIN)	184		
<b>I</b>			
Index	231		
Institute	80		
Institute (INST)	186		
International Business (INTB)	186		
International Business Management	80		
International Students	12		
Internet/Web Computing and Software Development	80		
<b>J</b>			
Japanese (JAPN)	188		
Journalism	82		
Journalism (JOUR)	189		
<b>L</b>			
Langara College	7		
Langara College Course Information	117		
Langara College Courses	121		
Langara College Program Information	29		
Langara College Programs	35		
Latin (LATN)	190		
Latin American Studies	84		
Latin American Studies (LAMS)	191		
Leisure Studies	85		
Library (LIBR)	191		
Library & Information Technology	86		
<b>M</b>			
Management Information Systems	88		
Marketing (MARK)	193		
Marketing Management	90		
Mathematics (MATH)	196		
<b>N</b>			
Nursing	92		
Nursing (NURS)	201		
Nutrition (NUTR)	204		
Nutrition and Food Service Management	97		
<b>P</b>			
Peace and Conflict Studies	100		
Peace and Conflict Studies (PCCN)	205		
Philosophy (PHIL)	205		
Physical Education (PHED)	207		
Physics	101		
Physics (PHYS)	208		
Political Science (POLI)	209		
Professional Computer Science and Technology	102		
Professional Photography (PHOT)	211		
Professional Photo-Imaging	103		
Programs at a Glance	30		
Programs: Overview	32		
Psychology	106		
Psychology (PSYC)	213		
Publishing	105		
Publishing (PUBL)	216		
<b>R</b>			
Recreation (RECR)	218		
Recreation Leadership	107		
Registration	14		
Religious Studies (RELS)	220		
<b>S</b>			
Science (General)	109		
Social Service Worker	110		
Social Service Worker (SSRV)	221		
Sociology (SOCL)	222		
Spanish (SPAN)	224		
Statistics (STAT)	224		
Student Support Services	24		
<b>T</b>			
Table of Contents	2		
Theatre Arts (THEA)	226		
Theatre Arts at Studio 58	111		
<b>W</b>			
Web Technology	114		
Women's Studies	115		
Women's Studies (WMST)	227		



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