

# 2015-2016 Academic Calendar

# toc: About This Calendar

## About this Calendar

Cape Breton University produces its academic calendar in an online version. While the print and online versions are considered accurate at the time of production, the information in the calendar is under continuous review. CBU reserves the right to make such amendments and additions as deemed appropriate. As it readily allows for updates, the online academic calendar is the most current version. Where discrepancies exist between print and online versions, the online version shall be considered CBU's official statement.

For up-to-date online program and course information, admissions and academic regulations and more, go to [www.cbu.ca](http://www.cbu.ca) and click on **Academic Calendar** in the links at the bottom of the page. For a list of important dates go to [www.cbu.ca](http://www.cbu.ca) and click on **Important Dates** in the links at the bottom of the page.

The CBU calendar is published by the Registrar's Office.

## toc: Admission

The Admission Requirements form part of the Academic Regulations of Cape Breton University.

Please see sub-categories below for further information.

## toc: Table of Admission

Admission Requirements for Cape Breton University Undergraduate Programs							
Program	Required Courses				Required Average	Recommended Courses	
	English	Math	Science	Additional 12 AD or AC		Math	Physics
Bachelor of Arts	12 AD or AC			4	65%		
Bachelor of Arts Community Studies	12 AD or AC			4	65%		
Bachelor of Business Administration	12 AD or AC	12 AD or AC		3	65%		
Bachelor of Hospitality and Tourism Management	12 AD or AC	12 AD or AC		3	65%		
Bachelor of Science and Bachelor of Science Community Studies	12 AD or AC	12 AD or AC	2 - 12 AD or AC <sup>1</sup>	1	65%	12 PC	
Bachelor of Science Nursing	12 AD or AC	12 AD or AC	2 - 12 AD or AC <sup>2</sup>	1	70% Gr. 11 and 12		
Bachelor of Science in Human Nutrition (Transfer)	12 AD or AC	12 AD or AC	2 - 12 AD or AC <sup>6</sup>	1	65%		
Bachelor of Engineering Technology (Electronics & Controls)	12 AD or AC	12 AD or AC	2 - 12 AD or AC <sup>1</sup>	1	65%		12 AD or AC
Bachelor of Engineering Technology (Environmental Studies)	12 AD or AC	12 AD or AC	2-12 AD or AC <sup>4</sup>	1	65%		12 AD or AC
Bachelor of Engineering Technology (Manufacturing)	Completion of acceptable Technology diploma. Contact the Engineering department for information.						
Bachelor of Engineering Technology (Petroleum)	12 AD or AC	12 AD or AC	2-12 AD or AC <sup>4</sup>	1	65%		12 AD or AC
Bachelor of Technology (Emergency Management)	Completion of degree or diploma or relevant combination of education/work experience.						
Bachelor of Technology (Nautical Science)	Admission through the Canadian Coast Guard College						
Bachelor of Health Sciences (Public Health)	12 AD or AC	12 AD or AC	Chemistry and 1- 12 AD or AC <sup>3</sup>	1	65%		
Bachelor of Engineering (Transfer)	12 AD or AC	12 AD or AC	2 - 12 AD or AC <sup>5</sup>	1	65%	12 PC	12 AD or AC

<sup>1</sup> Includes biology, chemistry, geology, and physics. (Environmental

<sup>5</sup> Includes biology, chemistry, physics and geology.

Legend  
AD - advanced  
AC - academic  
PC - pre-calculus

Science 12 can be used with biology, chemistry or physics).  
<sup>2</sup> Includes biology, chemistry, and physics with biology and chemistry recommended.  
<sup>3</sup> Additional sciences from biology, geology and physics with biology recommended  
<sup>4</sup> Includes biology, chemistry, geology, and physics with chemistry and physics recommended. (Environmental Science 12 can be used with biology, chemistry or physics).

<sup>5</sup> Includes biology, chemistry, geology, and physics with biology and chemistry recommended.

## toc: General Undergraduate Admission Requirements

### General Undergraduate Admission Requirements

An overall average of 65% is required for all students applying to most CBU credit programs based on high school performance. Additional requirements may apply to specific programs.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

Program-specific admission requirements are summarized in the table on the previous page.

If space permits, CBU will accept all candidates who can verify that they have met the minimum entry requirements established by CBU for the programs in which they wish to enroll.

**Note:** CBU does not guarantee that applications completed after August 1, will be processed for September registration.

## toc: Admission Policy for International Baccalaureate (IB) Students

### Admission Policy for International Baccalaureate (IB) Students

The IB Diploma is accepted as a credential for admission to degree programs. The minimum IB diploma score needed for admission is 24. IB Certificate applicants will be considered individually based on coursework. IB students must have completed IB English and four other IB courses. Additional requirements may apply to specific programs. Program specific admission requirements must be adhered to.

## toc: Admission Paths

### Admission Paths

Students may enter Cape Breton University by any of three paths, subject to restrictions of space and program capacity.

1. High school graduates who satisfy the admission requirements of their chosen program.
2. Students who transfer from another post-secondary institution and who are in good standing at that institution and who satisfy the admission requirements for their chosen program. Transfer students may be able to obtain credit in their CBU programs for courses taken elsewhere.
3. Students may also be admitted as non-traditional learners.

Students who enter CBU through any of the above paths and who have not made a final decision in a program may register as students in No Specific Program.

Applicants will be required to submit official documents (e.g. transcripts from other institutions) when they

apply for admission. Normally these documents are sent directly from the other institutions to CBU.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

Students will also require the approval of the relevant School Dean to register at another university or college while attending CBU.

## **toc: Early Fall Admission**

### **Early Fall Admission**

Students may apply for early admission, commencing September 15 of the year in which they are registered in Grade 12.

Early fall admission is available to those students who have an average of at least 75% in Grade 11 and who are currently registered in the Grade 12 courses that satisfy the admission requirements for the academic programs to which they are applying.

Early admission is not available for the Bachelor of Science Nursing program.

Students applying for early fall admission must include with their application their final Grade 11 marks and proof of registration in their Grade 12 courses (for both semesters where applicable). Admission will be conditional, pending the successful and satisfactory completion of program requirements.

All students who are offered early fall admission must submit an official high school transcript to the Admissions Office by June 30 of their graduating year or the offer of admission may be withdrawn.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

## **toc: High School Transcript Self-report of Grades**

### **High School Transcript Self-report of Grades**

Students have the opportunity to self-report their transcript information which CBU will use to assess admission to degree programs. High school applicants must report final grades for all Grade 11 and Grade 12 courses completed, along with all available mid-year grades for courses in progress. Information will be assessed and applicants will be advised of their admission status.

Offers of admission based on self-reported transcript information will be verified against the final official transcript which must be submitted to the Registrar's Office by June 30. It is expected that all applicants will accurately report their course information and must satisfy all CBU admission and specific program requirements in their final results, otherwise the offer of admission may be withdrawn.

Please note the information below if you wish to be considered for an entrance scholarship.

## **toc: Entrance Scholarships**

### **Entrance Scholarships**

An admission application and all required supporting documents, including a high school transcript showing both Grade 11 marks and mid-year and/or first semester Grade 12 marks, must be received in the Registrar's Office by March 1, in order to be considered for an entrance scholarship. For more information on scholarships and bursaries, criteria, policies and required supporting documents, visit [www.cbu.ca/scholarships](http://www.cbu.ca/scholarships) or email: [awards@cbu.ca](mailto:awards@cbu.ca).

## **toc: General Admission Requirements for Students from Outside of Nova Scotia**

### **General Admission Requirements for Students from Outside of Nova Scotia**

For all provinces except Quebec, students who have successfully completed university preparatory programs will be admitted, subject to the same grade and average requirements expected of Nova Scotia students and subject to program capacity. For Quebec students, the entrance requirement is one year of study at a CEGEP, with a 65% average.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

Present course code equivalencies from other Canadian provinces can be found at:

[www.cbu.ca/admissions/canadian-applicants](http://www.cbu.ca/admissions/canadian-applicants).

## **toc: International Applicants**

### **INTERNATIONAL APPLICANTS**

The International Advisors at Cape Breton University provide information and referral services in response to questions or problems international student may encounter during their adjustment to a new country and university. The advisors organize orientation and social programs for international students and encourage students to direct all questions related to immigration or visa concerns to their attention. The International Advisors' offices are in the Learning Commons & Student Life Centre (B-110) located in the Marvin Harvey Building.

Manager Student Support Services:

Brendan MacDonald, tel: 902-563-1853 or email: [Brendan\\_MacDonald@cbu.ca](mailto:Brendan_MacDonald@cbu.ca)

International Student Advisors :

Donalda Johnston-Roper, tel: 902-563-1278 or email: [Donalda\\_Johnston@cbu.ca](mailto:Donalda_Johnston@cbu.ca)

## **toc: Admission**

### **Admission**

International applications will be considered on an individual basis. CBU does not guarantee that application files completed after March 31, will be processed for September registration.

Please contact the Admissions Office for more information: email [Admissions@cbu.ca](mailto:Admissions@cbu.ca) or tel: (902) 563-1844.

## **toc: Requirements**

### **Requirements**

#### **UNITED STATES AND US BASED SYSTEMS**

United States (US) and US Based Systems students who have successfully completed a high school university entrance program delivered in English, will be considered for admission. Such students must have completed five grade twelve subjects, including English, with an overall average of at least 65% for most programs. CBU program requirements for specific subjects and requirements for higher overall averages or specific course grades must also be met.

In addition, students must submit SAT results with a minimum score of 550 for each component- Reading, Writing, and Mathematics.

Students whose first language is not English and who meet the standard outlined above, will not be required to provide further proof of English proficiency.

## **BRITISH BASED SYSTEMS (GCE AND GCSE)**

Graduates from senior secondary school are required to have five GCE or GCSE subjects including English, with at least two subjects at the advanced level. A grade of C or higher is required in each course. Where CBU program admission regulations require specific subjects, these must be included among the five.

## **OTHER COUNTRIES**

For most countries, CBU considers the same academic requirements that are required for university entrance in that country – that is, successful graduation from an academic secondary school program or equivalent.

# **toc: English Language Proficiency**

## **English Language Proficiency**

English is the primary language of instruction at Cape Breton University. It is essential that all students have an adequate knowledge in the areas of reading, writing, listening and speaking in the English language in order for them to be successful in their studies. While this policy outlines CBU's English language proficiency requirements for the purposes of admission, it remains the responsibility of all students to ensure that their English is at a level of accomplishment necessary for their particular programs and specific requirements.

Applicants who meet Cape Breton University's academic requirements, but who are not able to demonstrate English language proficiency at the time of application, may be offered a conditional admission. With an offer of conditional admission applicants can apply for a study permit (visa). However, until applicants have met the English language proficiency requirements they may not begin their university level studies.

Applicants whose first language is not English must provide documentation to show that CBU's English language proficiency requirements have been met. Proof of proficiency may be provided by one of the following:

### ***Previous Education in English:***

- Successful completion of at least two years of academic instruction at a secondary institution, as recognized by Cape Breton University, where English is the primary language of instruction, or
- Successful completion of at least 30 credit hours (or equivalent) at a post-secondary institution, as recognized by Cape Breton University, where English is the primary language of instruction.

### ***Official Testing Scores:***

Please arrange to have test results sent to Cape Breton University from one of the following agencies:

- TOEFL score of 550 (paper test), 213 (computer test), or 80 (internet test). See [www.ets.org](http://www.ets.org) or
- IELTS score of 6.5 with no band below 6.0. See [www.ielts.org](http://www.ielts.org), or
- CAEL score of 60, [www.cael.ca](http://www.cael.ca), or
- MELAB score of 85, [www.melab.ca](http://www.melab.ca), or
- Pearson PTE (Academic) - score of 59, [www.pearsonpte.com](http://www.pearsonpte.com)
- CanTEST score of 4.5 (reading & listening), 4.0 (writing) see: <http://www.cantest.uottawa.ca/index.php>.

## **English Language Training**

Cape Breton University has partnerships with English language training institutions. Students who successfully complete one of these programs are deemed to have met CBU's English language proficiency requirements without further testing required. Please visit our web site at [www.cbu.ca/admissions](http://www.cbu.ca/admissions) for further information.

## toc: Admission of Students with Learning Differences

### ADMISSION OF STUDENTS WITH LEARNING DIFFERENCES

CBU recognizes that individual students may learn differently and this recognition is reflected in its teaching strategies and methods of evaluation. Students who enter CBU who self-identify themselves as learners with exceptional needs will be provided with alternate academic support, so far as possible, within the resources of CBU. For more information contact the Jennifer Keeping AccessAbility Centre at **(902) 563-1404 (voice)** or **(902) 539-4772 (TTY)**.

## toc: Admission Requirements for Mature Students (Non-Traditional Learners)

### ADMISSION REQUIREMENTS FOR MATURE STUDENTS (NON-TRADITIONAL LEARNERS)

Applicants who do not meet the usual qualifications for admission to Cape Breton University may be considered for admission as a **Mature Student**, provided they meet the following criteria:

- be at least **21 years of age** (by the first day of classes)
- be a **Canadian citizen** or permanent resident
- **not** be eligible for regular admission
- apply for the first year of an **undergraduate program** that does not require previous university-level study.
- have completed **Grade 12 Academic English** with a minimum grade of 65. Admission to some programs will require the completion of other required subjects.
- have **not studied** at the university level. Applicants who have studied at the university level must have attempted one year or less of transferable work and been **absent from study** for a minimum of two years.

To prepare for university study, some upgrading may be required. It is recommended that applicants speak with an admission advisor to determine if upgrading is required.

## toc: Credit Recognition for Outstanding Entry Students From High School

### CREDIT RECOGNITION FOR OUTSTANDING ENTRY STUDENTS FROM HIGH SCHOOL

#### Advanced Credit Recognition for IB Students

Students admitted to CBU who have completed the IB Diploma are eligible to receive a maximum of 30 credits for IB courses completed at the higher level with a minimum grade of 5.

- Credit will be awarded on a course by course basis.
- A maximum of 18 credits can be awarded for Standard Level courses with a minimum grade of 5.
- Students have the option to forgo credit.

IB Certificate holders are eligible to receive university credit to a maximum of 18 credits for higher level courses or standard level courses on a course by course basis subject to a minimum score of 5.

#### IB Program in Math

Students who complete an IB course in mathematics with a minimum score of 5 shall be exempt from the

Calculus Readiness test.

OR

Completion of a Grade 12 honours course with a mark of 85% or higher and successful completion of an Outstanding Entry Student Examination. This examination is prepared and graded by an instructor in the discipline. Success in the examination means that the department and the dean are confident that the student's knowledge is equivalent to that of a student who has successfully completed the introductory level of that course at CBU.

## **Advanced Credit Recognition for French Immersion Students**

Students from French Immersion or students from French/Francophone schools may be granted a maximum of six FRNC credits, after assessment by the Department of Languages and Letters.

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## **toc: From Other Than High School**

### **FROM OTHER THAN HIGH SCHOOL**



CBU recognizes extra-institutional learning and may grant credit for learning experiences acquired outside an educational institution. Students may obtain credit for such prior learning in either of two ways:

1. By presenting evidence demonstrating that the student has mastered the material covered in the course in question. The Dean of the appropriate academic school is responsible for ensuring that the relevant faculty member appraises such evidence of prior learning.
2. By challenging a course with the approval of the relevant school dean.

## **toc: Credit Transfer**

### **CREDIT TRANSFER**

The transfer of credit refers to the acceptance of courses by CBU from another institution (external transfer) or from one CBU program to another program (internal transfer). All external credit arrangements are administered by the Registrar's Office, in consultation with the dean and the appropriate department. All internal credit arrangements are administered by the academic schools in consultation with the Registrar's Office

Students seeking transfer credit assessments must submit the Application for Transfer Credit Assessment with the non-refundable application fee to the Registrar's Office. Applications are available at the Registrar's Office or at [www.cbu.ca/student-services/forms](http://www.cbu.ca/student-services/forms). Transfer credits are not activated until registration. Applications received after August 1, cannot be guaranteed for processing for September registration.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

## **toc: External Transfer**

### **External Transfer**

All first- and second-year credit courses offered at all other Canadian universities will be accepted for credit at CBU, with the following limitations:

- A minimum of 50% of the courses must be completed at CBU in a degree, diploma or certificate program, unless stated otherwise in the program descriptions.
- Credit transfer is distinct from admission and decisions with regard to admission remain the prerogative of CBU;
- The specific program requirements of CBU must be met. An otherwise acceptable transfer credit may not be usable in a particular program of study,
- Students must also meet any requirements with regard to grades. External credits will be treated identically with those of CBU students who move from one program to another within the institution. If a grade of 60% is required in a CBU prerequisite course, for example, then a 60% grade will also be required in a transfer course.
- Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

A dean, in consultation with the Registrar and the department, may approve courses beyond the first and second year levels for credit transfer in degree, diploma and certificate programs, bearing in mind that at least 50% of courses must be completed at CBU.

CBU has entered into a variety of special agreements with other institutions and such agreements often provide for extended credit transfer arrangements within specific CBU programs. For general information on such arrangements, contact the Registrar's Office.

## toc: Prior Learning Assessment and Recognition

### Prior Learning Assessment and Recognition

Cape Breton University recognizes the value of both formal and informal learning and may grant academic credit for skills and knowledge gained outside traditional studies. Moreover, some kinds of knowledge may not be feasibly assessed through course challenges. In such cases, students may request a Prior Learning Assessment (PLA). Because the learning evaluated in a PLA occurs outside the University, PLA credits do not count towards the University's residency requirements. *Note: PLA's in Community Studies are restricted to COMS1100, COMS2101 and COMS3101.*

Students applying for PLA credit must submit a detailed portfolio outlining their relevant experience and demonstrating how it has led to knowledge equivalent to university credit. The Registrar's Office will forward the portfolio to the relevant dean who will, in turn, send it to the academic department best able to evaluate it. The department will make a recommendation to the dean, and the dean will send his/her decision to the Registrar's Office

If necessary, the department may ask the applicant for further information regarding the portfolio itself, formal credentials, or other details. The department may also request demonstration of skills, an interview with the applicant, or other reasonable means of assessing the application.

Students seeking assessment for PLA credits must submit the Application for Prior Learning Assessment and the non-refundable application fee. If credits are awarded, a fee equivalent to 50% of the tuition for those credits will be assessed. **PLA credits are not activated until registration and required tuition is paid.**

Applications are available at the Registrar's Office or at [www.cbu.ca/student-services/forms](http://www.cbu.ca/student-services/forms). Please contact the Manager of Admissions at **(902) 563-1117** or visit the Registrar's Office for more information.

## toc: Admission Procedures

### ADMISSION PROCEDURES

Application for admission to Cape Breton University may be made online at [www.cbu.ca/apply](http://www.cbu.ca/apply). Forms can be downloaded by visiting [www.cbu.ca/apply/applications](http://www.cbu.ca/apply/applications). Applications may also be made through the Registrar's Office on the designated application forms.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

Correspondence regarding admission should be addressed to:

Admissions

Registrar's Office

Cape Breton University

PO Box 5300, 1250 Grand Lake Road

Sydney, Nova Scotia

B1P 6L2

Phone: (902) 563-1330

Fax: (902) 563-1371

Email: [admissions@cbu.ca](mailto:admissions@cbu.ca)

## toc: Steps to Full-Time Admission for Canadian High

# School Students

## Steps to Full-Time Admission for Canadian High School Students

The following steps need to be completed In order to be considered for full-time admission:

- Students may apply online at [www.cbu.ca/apply](http://www.cbu.ca/apply). Otherwise, students should send the completed application form (available from the Registrar's Office or online at [www.cbu.ca/apply/applications](http://www.cbu.ca/apply/applications)) as early in the year as possible, since applications received after August 1, cannot be guaranteed processing for September registration. The application for admission serves as the application for scholarships.
- Students applying from high school should ask their schools to send their Grade 11 final grades and their Grade 12 first semester grades, or if a non-semestered school, mid-term grades. Grade 12 final evaluations should be submitted as soon as they are issued to the student. Grade 11 final grades will be considered as supporting documentation in the application.
- Students who may meet the requirements for early admission may review our policy here.
- Applications will be considered as soon as they are received, and preliminary admission will be granted on the basis of the information provided if there is capacity in the program sought and if the information to date is complete. Final admission decisions will be made when all relevant information is submitted. No application will be delayed or denied if all of the substantial information is supplied, if the requirements are met and if there is capacity in the program sought.
- The non-refundable application fee (cheque, money order, Visa or MasterCard) should be attached to the application.

## toc: Steps to Full-Time Admission for Students Transferring from Other Universities and Colleges

### Steps to Full-Time Admission for Students Transferring from Other Universities and Colleges

The same steps for full-time admission for high school students above should be followed, with this difference: the student's high school should send the final grade 11 and 12 results and the university or college should send an official transcript.

Students seeking credit from previous post-secondary studies must apply for a Transfer Credit Assessment by submitting a Transfer Credit Assessment application (available at the Registrar's Office or online at [www.cbu.ca/student-services/forms](http://www.cbu.ca/student-services/forms)), along with the assessment fee and official transcripts from institutions from which they are seeking transfer credit.

**Transfer Credit Applications received after August 1, cannot be guaranteed processing for September registration.**

## toc: Steps to Part-Time Admission

### Steps to Part-Time Admission

As indicated elsewhere in these guidelines, CBU makes no fundamental distinction between full-time and part-time students. Technically, students are considered part-time if they are enrolled in fewer than three full-time course equivalents during the fall-winter session. As well, admission requirements for part-time students are no different from the admission requirements for any other students.

## toc: Residence

### Residence

For information on application to residence, visit [www.cbu.ca/housing-dining](http://www.cbu.ca/housing-dining).

## **toc: Articulation Agreement with Colleges**

### **ARTICULATION AGREEMENT WITH COLLEGES**

Articulation agreements exist with many colleges, such as the Nova Scotia Community College, New Brunswick Community College and College of the North Atlantic (Newfoundland), whereby students can receive credit toward diplomas and degrees at CBU for courses and programs completed at these institutions. Details about specific program transfer arrangements are available from the Registrar's Office or the appropriate school dean at CBU. Students must apply for and be offered admission and register at CBU before transfer credits are granted.

## **toc: Internal Transfers**

### **toc: Internal Transfer Credit for School of Arts and Social Sciences**

#### **Internal Transfer Credit for School of Arts and Social Sciences**

## **toc: Transfer from a Diploma to Bachelor of Arts Degree**

### **Transfer from a Diploma to Bachelor of Arts Degree**

All Diploma in Engineering Technology courses listed for transfer into science degree programs are also accepted in the BA degree program.

Diploma in Business Technology courses may be applied to the BA degree program.

## **toc: Transfer from a Science Degree to Bachelor of Arts Degree**

### **Transfer from a Science Degree to Bachelor of Arts Degree**

Bachelor of Science courses will be accepted for credit in the BA degree program.

## **toc: Transfer from a Technology Diploma to Bachelor of Arts Community Studies Degree**

### **Transfer from a Technology Diploma to Bachelor of Arts Community Studies Degree**

After earning any co-op diploma, students may take advantage of the unique nature of CBU by proceeding directly into the Bachelor of Arts Community Studies program. Co-op diploma graduates will receive a block of credits equal to COMS1100, COMS2101 and COMS3101; the four career-related courses; and two electives as specified in the CBU calendar. Transfer students will be required to successfully complete seven degree courses (42 credits) as follows:

- Four courses (24 credits) in Community Studies (COMS1100, COMS2101/COMS3101, COMS2103 and COMS2105 and COMS3103 and COMS3105)
- Four courses (6 credits) in any degree discipline other than Community Studies

Students may also receive, on an individual basis, up to one full course of internal transfer credit (6 credits) if they have successfully completed a diploma course that has a degree course equivalency and wish to designate this discipline as their academic discipline within the BACS structure. Diploma students may also enrol concurrently in certain diploma and degree courses with the permission of the school dean.

# toc: Internal Transfer Credit for School of Science and Technology Engineering

## Internal Transfer Credit for School of Science and Technology Engineering

Transfer from a degree program diploma program	to an Engineering Technology
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ENGI1165 Graphics	DRAF111 Drafting I
ENGI1167 Statics	ENGI1163 Statics
ENGI2164 Thermodynamics	MECH2161 Thermodynamics
ENGI2166 Electric Circuits	ELEC1161 Fundamentals of Electricity I
ENGI2169 Strength of Materials	ENGI1164 Strength of Materials
ENGI2131 Fluid Mechanics	CIVI112 Fluid Mechanics

Transfer from an Engineering Technology diploma program	to a degree program
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ENGI1163 Statics	ENGI1167 Statics
MECH2161 Thermodynamics	ENGI2164 Thermodynamics
ELEC1161/ELEC1164 Fundamentals	ENGI2166 Electric Circuits
ENGI1164 St. of Materials	ENGI2169 St. of Materials
CIVI112 Fluid Mechanics	ENGI2131 Fluid Mechanics
CIVI233 Hydraulics	ENGI2131 Fluid Mechanics

**Mathematics course transfers from a degree program diploma program**

MATH1101 and MATH1203 Calculus & III)

MATH1105 Calculus II, & III)

MATH1105 and 1206 or  
MATH1101/1203/1206 Calculus

MATH1109

MATH 183 Introduction to Fortran Applications

MATH1116 Programming in C++ Applications

MATH1217 Introduction to Computer Applications

**Transfer from an Engineering Technology diploma program**

MATH1107/1208/2104 (Math I, II & III)

MATH1107/MATH1208/MATH2104/MATH2205  
(Math I, II, III, & IV)

MATH 335 (Math V)

\*Credits for MATH1206 will be considered on an individual basis where the math sequence actually taken in the Engineering Technology diploma includes significant work in infinite sequences and series.

**Science course transfers from a degree program diploma program**

CHEM200 Physical Chemistry Chemistry I & II

**to an Engineering Technology**

\*MATH1107/1208/2104 (Math I, II,

\*MATH1107/1208/2104 (Math I,

MATH1107/1208 or  
MATH2104/2205  
(Math I, II, III, & IV)

MATH 335 Statistics

COMP 1163 Computer

COMP 1163 Computer

COMP 1163 Computer Applications

**to a degree program**

MATH1101 Calculus

MATH1105 Calculus  
or MATH111 & MATH112

MATH1109 Statistics

**to an Engineering Technology**

CHEM251/CHEM252 Physical

GEOL1101 Physical Geology

GEOL1103 Geology I

GEOL1201 Historical Geology

GEOL1203 Geology I

PHYS1102 Elements of Physics

PHYS1101/PHYS1201

(Physics I & II)

-Students will take some  
topics in both courses

PHYS1104 and PHYS1204 General Physics

PHYS 111/112

(Physics I & II)

**Transfer from an Engineering Technology diploma program**

**to a degree program**

GEOL1103 Geology I

GEOL1101

Physical Geology

GEOL1203 Geology II

GEOL1201

Historical Geology

\*MATH1101 and MATH1203 or MATH1105 gives credit for MATH I, II and III, however, BET students will be required to obtain an additional 3 to 6 credits of electives to graduate.

## **toc: Academic Regulations**

## **toc: Correspondance from the Office of the Registrar to the Student**

### **CORRESPONDENCE FROM THE OFFICE OF THE REGISTRAR TO THE STUDENT**

Upon registration at CBU, all official correspondence from the Office of the Registrar, is sent to students via their CBU email accounts. Students are reminded to check their email regularly and to keep their inbox open for delivery.

## **toc: Course Selection**

### **COURSE SELECTION**

Programs consist of combinations of courses. For example, in order to complete the requirements for a BBA degree, the student needs to pass 20 courses (120 credits). Most courses are offered between September and April. However, courses in Co-op Technology programs span eight, 4-month terms with three terms devoted to work placements. Courses in the degree programs are also offered during May to June (spring session) and July to August (summer session).

A course taught for three hours a week during the September - April period has a value of six credits and is called a full course. A course taught for three hours a week for one term (from September to December or January to April) has the value of three credits and is called a half course. Half and full courses are also offered in spring and summer.

A student's course choices depend on the requirements of his/her Diploma, Certificate, or Degree program. (These requirements are found in the program descriptions of the CBU academic calendar).

## **toc: Changing a Course or a Course Section**

### **Changing a Course or a Course Section**

Some programs permit course changes. After the first two weeks of classes, students will need the instructor's approval to join the course. Changing a course may have financial ramifications. (See the Financial Section of this calendar or consult with the Vice-President Student Services, and Registrar. Moreover, if students stay in the same course but switch sections, they must still go through the process (either by signing a form at the Registrar's Office, or using the student log-in online at [www.cbu.ca](http://www.cbu.ca)) similar to changing a course. For example if a student is in ENGL1600:10 (10 is the section number) which meets at 8:30 a.m. on Mondays, Wednesdays and Fridays, and wishes to move to ENGL1600:16 which meets on Thursday evenings, the student is still required to drop ENGL1600:10 and add ENGL1600:16.

All course changes, including section changes and drops, at any time, require submission of a Drop/Add Form to the Registrar's Office, or must be completed online at [www.cbu.ca](http://www.cbu.ca).

## **toc: Dropping a Course**

### **Dropping a Course**

Students may drop a course up until the mid-point of classes during the term that the course is offered without academic penalty. The deadlines for withdrawing from a course without academic penalty are listed in the Calendar of Events. Withdrawal from the first term of a pair of related courses (for example, ACCT1203/1204) does not automatically withdraw the student from the second term course. Both courses must be dropped.

Students are cautioned not to simply walk away from a course. Withdrawal must be made official (which means either signing a form in person at the Registrar's Office, or withdrawing online using the student log-in at [www.cbu.ca](http://www.cbu.ca)). Students will otherwise end up receiving a zero on their grade transcripts and paying for the full course.

The length of time a student stays in a course before dropping will affect the tuition refund to be received. Please check the Class Withdrawals and Financial Refunds section found within the academic calendar.

Students are advised to consult the instructors of courses that they are considering dropping. Extra help may be all that is needed to successfully complete the course. Instructors will appreciate being informed of a decision to drop a course.

## **toc: Alternatives to the Usual Course Load**

### **Alternatives to the Usual Course Load**

Five courses are considered as the normal load in degree programs; the normal load in diploma studies depends on the specific program. See the program descriptions in this calendar. Students wishing to take additional courses should consult with the dean of the school. There is usually an additional cost for extra courses. Students may wish to register for fewer than the usual number of courses, but should be aware that registering for fewer than three courses may affect eligibility for student loans.

## **toc: Repeating a Course**



## **Repeating a Course**

If a student repeats a course, the highest mark in the course will be used in the calculation of the final average as well as in the calculation of the average for all program requirements, prerequisites and for all other internal purposes where an average is calculated. The marks for previous attempts of the course will remain on the student's permanent record. The number of times a student may take a course is limited to three.

## **toc: Distance Education Courses**

### **Distance Education Courses**

Courses offered by CBU in any format and at any site are considered to be regular university courses. This includes distance courses.

## **toc: Course Challenge**

### **Course Challenge**

CBU recognizes that some students may have achieved competence in certain subject areas. A challenge involves a special assessment administered by the relevant school at a time determined in consultation with the student. The following guidelines apply to course challenge:

- The student applies through the Registrar's Office and the assessment is administered through the relevant school.
- Course challenges are available to students registered in any program.
- The assessment must be completed within 30 days of the receipt of the application. Applications will be entertained only in the period from August to April.
- A specific course may be challenged only once.
- Students may not challenge a course for which they have already received a final grade.
- All course challenges will be recorded. The results of course challenges will be treated like any other course and will be included in the calculation of the student's average.
- Payment of the appropriate fee is due at the time the application for challenge is filed. The fee for course challenges is 25% of the normal tuition fee.
- Students may challenge a maximum of 30 credit hours or the equivalent of five, 6-credit courses.
- Students may not challenge (human) language acquisition courses.
- No course challenges for Community Studies courses.

## **toc: Spring/Summer Courses**

### **Spring/Summer Courses**

CBU courses taken during spring/summer session are considered to be regular university courses and no limitations or restrictions are placed on such courses, with one exception: because of the condensed format of the spring and summer sessions and, except where their program requires otherwise, students normally take only two courses concurrently. Those wishing to take more than two courses concurrently must have the permission of the dean.

## **toc: Tutorial Courses**

### **Tutorial Courses**

Tutorial courses are those courses listed in the CBU calendar which are not included in that session's timetable and are offered in special circumstances to very small groups of students. Tutorial courses are arranged between the student and an instructor and require the approval of the dean.

## **toc: Audit Courses**

### **Audit Courses**

A student normally audits a course out of personal interest. Students who wish to audit courses may attend with the permission of the instructor, but normally would not participate in written assignments or examinations set for the course. Students may change from audit to credit up to the final date for registration and adding of courses. They may change from credit to audit, up to the final date for dropping courses without academic penalty. Students changing from audit to credit will be assessed course tuition and fees. Credit will not be awarded for audit courses. Audits cost substantially less than the fee for the same course taken for credit. Courses taken for audit may not be challenged. Please see Calendar of Events for the relevant dates.

## **toc: Taking Courses at Other Institutions**

### **Taking Courses at Other Institutions**

Students formally registered at CBU may take courses from another institution and have them transferred, with the prior permission of their school dean, into their CBU program. Normally, the total number of courses accepted shall not exceed 50% of the total number of courses required to complete the program. CBU has special agreements with some institutions which may allow students to utilize more courses than normal. Students should consult with their school dean for further information.

## **toc: Distance Courses at Other Institutions**

### **Distance Courses at Other Institutions**

Students formally registered at CBU may wish to take advantage of those courses offered through correspondence from other recognized institutions. The conditions for correspondence courses are the same as those listed above for taking courses at other institutions. CBU cannot give credit for a correspondence course if that same course is offered at CBU during the period the student wishes to enroll. However, a student may take a correspondence course if the same course at CBU is filled.

## **toc: Other Academic Paths**

### **Other Academic Paths**

Traditionally, students have entered university studies on a full-time basis as recent high school graduates. But this traditional student profile is changing and alternative ways of responding to students' needs are being introduced. Many students are older, have significant work experience, have work schedules which do not allow full-time study and, in a number of cases, have difficulty travelling to the CBU campus.

In response to changing needs, CBU provides alternate paths for students to reach their academic goals. All courses, regardless of mode of delivery, are subject to the standard procedures, criteria and checks and balances as outlined in the CBU Academic Regulations.

## **toc: Class Attendance**

### **CLASS ATTENDANCE**

As part of the CBU community, students play a key role within the institution. CBU strongly recommends that students attend class regularly. It is clear that those students who attend class on a regular basis will have a better chance of success in their studies. CBU also recognizes that students are ultimately responsible for their actions and consequently does not publish an institution-wide mandatory class attendance policy. Students cannot fail solely due to absence from class.

## **toc: Examinations**

# EXAMINATIONS

Examinations play a significant part in the evaluation process of many courses. Students should therefore be familiar with the following procedures associated with formal examinations. Any new material covered on the day of a scheduled, for-credit, test or exam, may not be included on that test or exam.

## toc: Scheduling of Examinations

### Scheduling of Examinations

Examinations are formally scheduled by the Registrar's Office in December and April. Examinations are also held at the conclusion of the spring and summer sessions. **All students writing examinations are required to show a CBU ID card.**

No test or examination, with the exception of practical laboratory examinations, may be held in any course in either the five teaching days or the study period (defined as the period of time between the last day of classes and the beginning of the examination period) immediately preceding the December and April examination periods. This provision cannot be waived even by mutual consent of students and instructor.

Take home examinations cannot be assigned (and distributed) any later than the last day of classes in term. They cannot have a due date earlier than the sixth (6<sup>th</sup>) day of exams.

## toc: Deferred Examinations

### Deferred Examinations

Students should notify their instructor(s) immediately if they must miss an examination due to a medical or other serious reason. Upon request, the dean of the school and the instructor may approve a deferred examination.

## toc: Postponement of Examinations

### Postponement of Examinations

If an examination cannot be held at the scheduled time because of inclement weather or other circumstances, other examinations will be written as scheduled and the postponed examinations will be rescheduled by the Registrar's Office on the first available day after the completion of the examination schedule.

## toc: Extraordinary Circumstances

### Extraordinary Circumstances

If a student completes an examination and subsequently claims extenuating circumstances, such claims may be considered by the dean and the instructor on an individual basis. If a student is unable to write a scheduled examination for some serious reason, or if she/he becomes ill during an examination, the dean of the school must be contacted within five working days of the date on which the examination was to have been written. The dean and the instructor may decide whether a deferred examination will be scheduled or whether aegrotat standing will be granted.

## toc: Supplementary Examinations

### Supplementary Examinations

CBU, through the Registrar's Office no longer schedules formal supplementary exams. Individual faculty and/or departments will determine if a supplementary exam is allowed in a course. If allowed, the policies and

procedures with respect to the writing of supplementary exams will be determined by individual faculty and/or departments. For specific information on supplementary examinations, please refer to your course outline or the department chair.

## toc: Student Evaluation

### Evaluation Process

Within the first week of each course, the instructor shall provide a written description of the evaluation procedure to be employed, including a description of all of the elements that contribute to the final grade in the course and the percentage proportion assigned to each.

### Successful Completion of a Course

The passing grade in most courses is 50 percent.

### Equivalency Key

Numbers to letters. For the benefit of those receiving institutions that prefer letter grades, the following equivalencies key may be used:

90	-	100	=	A+
85	-	89	=	A
80	-	84	=	A-
70	-	79	=	B
60	-	69	=	C
50	-	59	=	D
0	-	49	=	F

## toc: Legends Used in Place of Numerical Grades

### Legends Used in Place of Numerical Grades

In certain cases, legends are used in place of numerical grades. Students should familiarize themselves with these legends, since some of them have a direct influence on average and rank.

#### AUD = Audit

Used to record an audit, where a student is eligible to attend regular classes but ineligible to participate in written assignments or examinations set for the course. No credit is attached to an audit.

#### PAS = Pass

Used to record credit for a course where no numerical grade is assigned. This legend is not considered in the calculation of averages.

#### FAI = Failure

Used to record a failure in a course where no numerical grade is assigned. This legend is not considered in the calculation of averages.

#### INC/GR = Incomplete/Grade

Used as a temporary grade that is granted to a student who has been unable to complete some part of the

term work in a course. The number after the INC indicates the grade the student will receive if the course is not completed within the designated time. A final grade must be submitted within six weeks of the granting of the Incomplete/Grade.

**NGR = No Grade Report**

Used if no formal evaluation has been given in a course during a normal evaluation period.

**F = Failure**

Indicates a course drop without a formal withdrawal.

**WF = Course Withdrawal - Failure**

Indicates a formal course withdrawal after the calendar deadline.

## **toc: Aegrotat Standing**

### **Aegrotat Standing**

Aegrotat standing is the granting of credit for a course or courses based on the course work already completed, where no further assessment (for example, a deferred examination) is considered feasible because of illness or other extenuating circumstances. Aegrotat standing is not noted on the transcript or grade report, and is treated like any other grade. Students may only be granted aegrotat standing with the approval of the dean and the instructor.

## **toc: Grade Reports**

### **Grade Reports**

Grade reports become available to students through the CBU web site following the December and April examination periods and after the spring/summer sessions. Students who have not paid all tuition fees or who have outstanding library fines will not have access to grades until their accounts are settled.

## **toc: Averaging**

### **Averaging**

Averages are computed for all students in December and April and are calculated on the highest marks for up to 30 credit hours.

## **toc: Ranking**

### **Ranking**

Students carrying a normal course load in an award bearing program, will be ranked in that program at the end of the academic year. Courses that are audited are not included in this ranking.

## **toc: Reassessment of Final Grades**

### **Reassessment of Final Grades**

Application for reassessment of a final grade should be made to the department chair in which the course was offered. The student must provide a letter to the chair stating specifically which assignments are being requested to be reassessed and the specifics of why the student believes the original grade was unfair; if the assignments have been returned to the student they must be included with the application for reassessment. The only grounds for application for reassessment are that the student believes that the grading criteria were

inconsistently applied to that individual student, whether through error, carelessness or discrimination.

Applications for reassessment must be received within one month of the end of the term in which the disputed mark was assigned. Grades may be raised or lowered through the reassessment.

The department chair will first request the instructor who issued the mark to review the materials submitted along with the final examination. If the result of this preliminary review does not change the final grade, the student may request a formal reassessment. This request must be accompanied by a payment of \$25, which will be refunded if the grade is raised.

The chair will then empanel two faculty members, one selected by the instructor and the other by the student requesting the reassessment; both members of the panel shall have expertise in the discipline of the assignments being reassessed. The panel will review the written work by the student in question; the panel will endeavour to utilize the same criteria originally used to grade the other students in the class, to the extent that it is possible to do so. If the two members cannot agree on a mark, the average of the two re-assessments will be assigned. The department chair will submit the decision of the panel to the Registrar to record the revised grade. The panel's decision may be appealed to Cape Breton University's Appeals Committee.

If the grade being reassessed is that of the chair, then the department vice-chair preferably, or the secretary of the department executive, shall carry out the duties as specified in this section.

## **toc: Appeals of Academic Decisions**

### **Appeals of Academic Decisions**

Students who have grounds for believing themselves were unjustly treated within CBU are encouraged to seek all appropriate avenues, to redress or appeal, open to them. Cape Breton University's Appeals Committee, which is made up of one student, two faculty members, and one school dean is a final recourse for students who feel so aggrieved. Any student who has exhausted all other avenues as outlined in this document and who still feels that she/he has grounds for a reversal of a decision, may serve notice of appeal to this committee.

The Appeals Committee does not replace other adjudicative processes. Once all avenues have been fully explored, the following process will ensue:

### **insert final grade appeal process here**

Once all avenues have been fully explored:

1. A student submits a letter to the chair of the CBU Appeals Committee explaining in detail the nature of the appeal, providing all appropriate documentation and indicating clearly the relief sought.
2. In response, the committee may take any of the following steps: (a) indicate to the student that all avenues have not been exhausted and request that the matter be resolved before it reaches this final court; (b) request further information from the student and/or others involved in the case; and (c) grant a hearing, at which time the student and others involved may be asked to appear before the committee.

3. The committee will gather evidence from all sides in the case, which may include both written and oral presentations from the parties involved.
4. The decision of the committee and reasons supporting it are communicated to the parties of the appeal.
5. The decision of the Appeals Committee is final.

All academic decisions affecting students may be appealed to the CBU Appeals Committee.

## **toc: Academic Performance Review**

### **Academic Performance Review**

Not all students are suited for the university learning experience and some may realize that another path of personal development is more appropriate. Sometimes the moment of study is inappropriate because of other pressures: financial, domestic, work-related and so on. Sometimes the student has chosen the wrong course of study. Whatever the reason, students may find that they are not attaining passing grades and are in academic difficulty.

All students who are registered in a minimum of three (3) courses (9 credits) for any one term will be reviewed with respect to academic performance.

Academic performance is reviewed at the end of April to determine academic progress and to assess student's academic standing.

## **toc: Determination and Categories of Academic Standing**

### **Determination and Categories of Academic Standing**

#### **Good Academic Standing**

All students entering CBU are admitted in good academic standing. Students in good academic standing have met the minimum standard required for continued, unrestricted study at CBU. Students are advised that meeting this minimum standard may NOT be sufficient to satisfy the graduation requirements of their program of study. Graduation requirements vary by program. Please refer to the relevant description in the academic calendar to determine the graduation requirements that apply to your program of study.

#### **Early Alert**

After December exams, students who have an average of less than 50% or two failing grades, may receive an early alert notation on their grade report. The notation will refer them to the policy regarding academic performance.

#### **Academic Alert**

At the end of April, students previously in good academic standing will be placed on academic alert if they have an average of less than 50% but have passed more than 50% of courses in the period under review.

Students with academic alert standing can continue unrestricted study at the University but receive a letter warning them that they may be in academic jeopardy if their grades do not improve.

#### **Academic Warning**

At the end of April, students previously in good academic standing will be placed on academic warning standing if they have an average of less than 50% and have failed more than 50% of courses in the period under review. These students are required to meet with the Performance Review Committee (of their program) to have their program of study approved prior to registration for the next academic year.

At the end of April, students previously on academic alert will be placed on academic warning standing if they have an average of less than 50% in the period under review. These students are required to meet with the Performance Review Committee (of their program) to have their program of study approved prior to registration for the next academic year.

Students with academic warning standing will receive a letter advising them of this status and of the requirement to meet with the relevant Performance Review Committee.

## **Academic Discontinuance**

At the end of April, students previously on academic warning will be placed on academic discontinuance for 12 months beginning May 1, if they have an average less than 50% in the period under review. They may register for only one 6-credit course at CBU during that period. They have the right to appeal their academic discontinuance to the dean of their program of study. The student's academic standing will return to good academic standing following the period of discontinuance.

## **toc: Additional Regulations Pertaining To Academic Standing**

### **Additional Regulations Pertaining To Academic Standing**

Students on academic warning will normally be restricted to registering in the equivalent of three or four full courses (18 – 24 credits) for the following year.

Students who achieve an overall average of 65% in the term following placement on academic alert or academic warning may, upon written request to the school dean, return to good academic standing for the second term with the approval of the school dean.

**Students who achieve an overall average greater than 50% at the end of the 12 months following placement on academic alert or academic warning will return to good academic standing.**

When a student is placed on academic discontinuance, this notation will appear on the student's transcript and remain for the period of the discontinuance. Once the period of discontinuance is over, the notation will be removed from the student's transcript but will remain on the student's internal academic record.

A Performance Review Committee will be established for each school under the authority of the school dean. The committee shall consist of the dean or associate dean (Chair), along with no fewer than three and no more than six members of the school. When reviewing a student, the chair will ensure that at least one member on the committee is from the program in which the student is enrolled. Any student required to appear before the committee is permitted to bring a representative of the Cape Breton University Students Union to the proceedings. The referral process is to be determined by each school.

Through the school dean, the Review Committee has the authority to:

- restrict course load
- specify courses including non-credit skills-related courses
- recommend program transfer

No appeal of the Review Committee's decision regarding the student's program of study will be permitted. Compliance with the committee's decision is to be regarded as a condition for the student registering at CBU.

## **toc: Ethical Behaviour in Academic Matters**

### **ETHICAL BEHAVIOUR IN ACADEMIC MATTERS**

All members of the CBU community are called upon to demonstrate a respect for academic honesty. To this end, a number of processes and procedures are in place to govern the ethical behaviour of all members of CBU. For example, faculty, staff and administrators are governed by collective agreements and the appropriate collegial bodies. Since these academic regulations are primarily geared to guide students through their university career, the focus of this section is on academic dishonesty as it applies to the student body. However, this does not imply that students are less honest than other members of the CBU community. It simply acknowledges that whereas the rules and regulations governing the ethical behaviour among the non-student population are contained in other documents, it is necessary here to delineate the guidelines pertaining to student behaviour in academic matters.



# **toc: Forms of Academic Dishonesty**

## **toc: Plagiarism**

### **Plagiarism**

Plagiarism is the act of representing the intellectual work of others as one's own. Such misrepresentation is treated as a serious violation of academic standards and principles. When a student submits work for a course, it is assumed that the work is original, except where the student properly acknowledges the use of other sources. Of course, good scholarship often requires drawing on the work of others, but any borrowed material - including words, ideas, data, statistics, graphics and other intellectual matter, whether drawn from print, electronic, or other non-print sources - must be fully acknowledged according to the accepted practices of the relevant discipline.

The following policy applies equally to all forms of materials submitted in all courses. These materials include, but are not limited to, assignments, essays, compositions, theses, creative writing, reports, reviews, lab reports, projects, computer programs, experimental data, drawings, charts, plans, musical compositions and works of art. This policy applies without regard to the weight assigned to the item plagiarized within the course instructor's grading formula for the course.

Course instructors must report instances of plagiarism to the relevant dean who will then register the offence and any pertinent comments in the student's academic file. Access to this information will be restricted to persons occupying confidential positions in the CBU Deans' offices and the Office of the Registrar. On receiving a report of plagiarism, the dean will consult the student's academic file to ascertain the appropriate action to be taken. In all cases, a copy of the letter sent to the student will also be sent to the course instructor.

### **Procedure**

In any instance where an instructor of a course suspects plagiarism, he/she will, if reasonably possible, meet with the student. When the course instructor cannot reach the student, notifying the student of the required meeting with the course instructor will be the responsibility of the relevant dean. The meeting will include a discussion of the plagiarism policy and the student's particular case, so as to ascertain whether or not there are alternative explanations. If the instructor of the course concludes that the work or any part of it is plagiarized, the course instructor will inform the student and report the offence of plagiarism to the relevant dean. The relevant dean will then provide information to the course instructor regarding previous offences of plagiarism for this student. The penalty will be assessed accordingly (see below).

### **First offence:**

The student will be assessed a penalty by the instructor of the course with the maximum penalty being a zero on the assignment. The relevant dean will register the offence on the student's academic file. He or she will notify the student in writing that another violation of the plagiarism policy, in any course, will result in a course mark of zero and possible discontinuation from CBU.

### **Second offence:**

The relevant dean will review the details of the case and assign a zero in the course in which the plagiarism took place. The dean will also notify the student in writing that another violation of the plagiarism policy in any course will result in discontinuation from CBU. He or she may also recommend to the program dean that the student be discontinued if the case warrants (the rules for discontinuation are as outlined below). If the program dean agrees with the recommendation, the student will be discontinued. The program dean will inform the student in writing of the action taken, and the reasons for the action.

### **Third offence:**

The relevant dean will inform the program dean, who will officially inform the student in writing, that he/she will be discontinued as of the end of the current semester of registration. The course in which the plagiarism occurred will be assigned a mark of 0. The student will not be permitted to register in any CBU courses, for credit, for 12 months as of the date of discontinuance, nor will CBU accept transfer credits from other

institutions if they have been earned during that period. The notation for the discontinuation will appear on the transcript for the duration of the discontinuation. The notation will remain on the student's internal academic file.

## **Discontinuation Provision**

If discontinuation occurs in the fall term, the student will be required to withdraw from any 6 credit courses he/she is enrolled in. He/she may be eligible for a refund for these courses, depending on the date of the reported infraction. However, there will be no refund for the course for which the plagiarized work was submitted. The student will be permitted to complete any three credit courses for that term, provided there has not been a report of plagiarism for those courses. If discontinuation occurs in the winter or spring/summer term, the student may complete any courses in which there has been no charge of plagiarism.

Should a student be readmitted after the discontinuation period, any further incident of plagiarism will result in a further one year discontinuation and the student will have to re-apply to the program if he/she wishes to return after that time period.

## **Appeals Provision**

Students have the right to appeal these decisions, at any stage, to the University Appeals Committee. Please refer to [Appeals of Academic Decisions](#) for more information on how to appeal a grade.

It is important that course instructors stress the institutional policy regarding plagiarism to their class and reference to the policy should be included in course outlines.

**Note:** Relevant dean refers to the dean to whom the instructor of the course reports. Program dean refers to the dean overseeing the student's program of studies.

# **toc: Cheating**

## **Cheating**

Cheating is the use, possession, receipt, or transmission of unauthorized information pertinent to the subject of any supervised test or examination during such test or examination, or an attempt to commit the same. Impersonation of a candidate at a test or examination is another form of cheating and both parties are considered to have committed an offence.

### **Procedures:**

On discovering such conduct, the proctor of the examination or test will impound the papers of any student who appears to be a willing or knowing participant, as well as any other evidence of the infraction. The facts of the case will be reported to the faculty member(s) involved, as well as to the appropriate school dean.

### **Penalties:**

In the case of a first offence of this nature, where there is no evidence of premeditation or preparation, the instructor may require a substitute examination (or equivalent), or may assign a grade of zero for the test or examination at which the offence occurred. In the case of second offence, or one involving premeditation, the student will receive a grade of zero in the course and the appropriate dean may assess further penalties up to and including discontinuation from CBU.

# **toc: Other Forms of Academic Misconduct**

## **Other Forms of Academic Misconduct**

More serious academic offences, such as producing plagiarized essays or assignments for compensation, theft, distribution or unauthorized retention of examination papers, offering improper inducements in exchange for favourable academic consideration, unauthorized access to or tampering with academic records and forging letters of permission or other academic documents, will be reported to the appropriate school dean. The procedures and penalties that apply to plagiarism and cheating will also apply to these other forms of academic

misconduct.

**NOTE:** In all cases, the dean must also inform the student(s) involved of their rights to appeal to the CBU Appeals Committee.

## **toc: Transcripts**

### **Transcripts**

A transcript is a complete record of the student's academic performance and is maintained in the Registrar's Office. Students may request a copy or copies of their transcript at any time, bearing in mind the following:

- Official transcripts are issued directly to an institution or agency at the student's request;
- Transcripts issued directly to the student, are marked accordingly. They are not official transcripts;
- Partial transcripts are not issued and neither are any documents submitted directly to the Student Service Centre to support a student's application for admission or advanced standing;
- The fee for transcripts must be paid before the transcript is issued.

## **toc: The Dean's List**

### **THE DEAN'S LIST**

(Effective September 2011)

The Dean's List gives special recognition to students who achieve a minimum level of scholarly excellence.

To be eligible for the Dean's List, students must meet the following criteria:

1. Students must achieve an average of 80% for Dean's List or an average of 85% for Dean's List with Distinction with the average calculated using all courses found on the transcript beginning May 1 and ending April 30.
2. Students must complete a minimum of 24 credits in the Fall/Winter term to be considered for inclusion on the Dean's List.
3. Course failures or blank grades on the transcript between May 1 and April 30 will result in the student being ineligible for inclusion on the Dean's List.
4. The following notation on the transcript between May 1 and April 30 will result in the student being ineligible for inclusion on the Dean's List: INC – Incomplete, or NGR – No grade received.
5. Students who are eligible for the Dean's List will receive an Honours Society parchment and pin.

The Dean's List will be generated in July and the list will be posted outside the Dean's Offices.

## **toc: Obtaining a Second Degree from CBU**

### **OBTAINING A SECOND DEGREE FROM CBU**

#### **Requirements for Earning a Second Cape Breton University Undergraduate Degree**

(Effective Date: This policy would be in effect for any student intending to graduate AT or AFTER the Spring 2014 Convocation.)

## **toc: Terminology**

### **Terminology**

For clarity the following terminology will be used throughout this policy.

**Credential:**

This will be used throughout this policy to distinguish between programs, for example, BA, BSc, BBA, BACS, BEd, etc.

**Degree:**

This word will be used to distinguish within a credential between the type of degree independent of any major, focus or option. Examples: 3 year general, 4 year major, double major, honours, etc.

**Discipline:**

This word refers to the focus of the degree, whether this is a concentration, major, option, etc. Examples: English, Psychology, Physics, Accounting, Intermediate/Secondary Education, etc.

To illustrate: 4 year Bachelor of Arts Major in Psychology:

Credential: Bachelor of Arts

Degree: 4 year major

Discipline: Psychology

## **toc: Requirements for Earning a Second Undergraduate Degree**

### **Requirements for Earning a Second Undergraduate Degree**

#### **1. Second Different Credential:**

- a) The regulations of the second credential program must be satisfied.
- b) A candidate for a second credential must complete a minimum of 30 credits over and above the credits required for the first credential. More than 30 credits may be required to satisfy requirements of the second credential. Transfer credits or course challenges cannot be used to satisfy the 30 credits required.
- c) Normally, candidates for a second credential may not choose the same discipline as in the first undergraduate credential. However, candidates whose first credential was a three-year degree may complete a different four-year degree in the same discipline as the first credential. For example, students who graduate with a three- year BA in Psychology may go on to complete a four-year BSc in Psychology. In this case the new four-year degree will replace the three-year degree previously awarded. A notation will appear on the transcript indicating that the new degree replaces the one previously awarded.

#### **2. Second Degree within the Same Credential:**

- a) Candidates who hold a three-year degree may upgrade to a four-year degree within the same credential and in the same discipline. In this case the new four-year degree will replace the three-year degree previously awarded. A notation will appear on the transcript indicating that the new degree replaces the one previously awarded.
- b) Candidates who hold a four-year degree in a single discipline will be allowed to upgrade to a four-year double major degree with the following conditions:
  - i) They must satisfy all departmental regulations with respect to the second major.
  - ii) A notation will be added to the transcript indicating "Double major in \_\_\_\_\_ and \_\_\_\_\_ replaces previously awarded degree".
- c) Candidates will be allowed to add a new discipline to a previously awarded four-year degree with the following conditions:

- i) They must satisfy all departmental regulations for the single major or concentration in the discipline.
- ii) A notation will be added to the transcript signifying  
"Major (Concentration) in \_\_\_\_\_".

**Note:** For the purposes of clarification, the distinction between items b) and c) above is as follows. Item b) refers to the case in which a student has a single discipline four-year major and has subsequently satisfied the requirements for a second major within a double major degree. Item c), on the other hand, refers to the case in which a student has a single or double discipline four-year degree and subsequently satisfies all of the requirements for a new single major four-year degree. It should be noted that the requirements for a second major within a double major degree are generally far less stringent than the requirements for the major within a single discipline four-year degree.

d) Candidates will be permitted to upgrade from a major to honours as long as departmental regulations are satisfied. The notation "Certificate of Honours Standing in \_\_\_\_\_" will be added to the transcript.

## **toc: Conversion of a CBU Diploma to an Undergraduate degree in the Same Discipline:**

### **Conversion of a CBU Diploma to an Undergraduate degree in the Same Discipline:**

1. Candidates who have been awarded a CBU Diploma may complete an undergraduate degree in the same discipline. They must complete a minimum of 30 credits over and above the credits required for the diploma. Transfer credits or course challenges cannot be used to satisfy the 30 credits required. Prior learning assessments cannot be used to satisfy the 30 credits required. The awarding of the undergraduate degree will be noted on the transcript with a notation indicating it replaces the previously awarded diploma.
2. Candidates who simultaneously complete both the requirements for a diploma and those for a degree in the same discipline may only graduate with the degree. Application to graduate with the diploma will not be accepted.

## **toc: Graduation**

### **GRADUATION**

Students meeting their program requirements by April will graduate in May. Otherwise, they will need to complete the requirements by August 30 to graduate in the fall. Spring convocation normally occurs on the second Saturday of May at 2:00 p.m. Fall convocation normally occurs on the last Saturday of October at 2:00 p.m. Students must apply to graduate and should note the deadlines listed in the Calendar of Events.

## **toc: Degree and Diploma Co-op Programs: Work Terms**

### **DEGREE AND DIPLOMA CO-OP PROGRAMS: WORK TERMS**

The following procedures adopted by CBU are also consistent with the criteria established by the Accreditation Council of the Canadian Association for Cooperative Education.

Work term evaluation consists of two components:

1. Performance as evaluated by the employer and by the appropriate advisor in the Student Service Centre. The evaluation is recorded on the student's transcript as either successful or unsuccessful.
2. A work report validated by the student's employer and graded by an appropriate member of the CBU faculty. A letter grade is recorded and indicates relative merit as follows:

A	-	85 - 100%	Excellent
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B	-	70 - 84%	Very Good
C	-	60 - 69%	Good
D	-	50 - 59%	Acceptable
F	-	Less than 50%	Failure

## **toc: Degree Programs**

### **Degree Programs**

Students are required to complete successfully both components of the work term. Students who fail the work term will be required to withdraw from the BA and BBA Co-operative Education Internship programs.

Students are not permitted to drop a work period without prior approval of the advisors. Students who drop a work period without permission, or who fail to honour such an agreement to work with an employer, or who conduct themselves in such a manner as to cause their discharge from the job, will usually be awarded a failing rating for the work period.

Students who fail the internship will not be eligible to re-apply for a period of one year. Students seeking re-admission after this period of time has elapsed will have their applications considered by the Selection Committee.

## **toc: Diploma Programs**

### **Diploma Programs**

Successful completion of the three co-op work terms is normally a prerequisite for graduation with the Co-op diploma. However, if CBU is unable to provide three program-related work experiences, the diploma may be awarded if the student has successfully completed two terms. Furthermore, in those extenuating circumstances where CBU is unable to provide two work terms, the dean may recommend that the diploma be awarded without the "co-op" notation.

Students are required to complete successfully both components of the work term in order to receive credit for the work term. If a student is unsuccessful in the work term, she/he will be required to withdraw from the program of study and will not be eligible for re-admission until after the lapse of two terms (eight months). The student will also be required to complete successfully a further work term before being admitted to another academic term. Students with relevant employment experience prior to registration in a co-op program may apply for credit for Work Term 1.

Prior approval of the advisors is required before leaving a work placement. Permission to leave a work period does not constitute any reduction in the requirements for a co-op program of study. If a work period is left without prior permission, or if a student is unable to honour an agreement to work with an employer, or if a student's conduct is such as to cause discharge from the job, the student will normally be awarded an unsuccessful grade for that work term.

If a student is unsuccessful in two work terms, she/he will be ineligible for re-admission to any co-op diploma program for a period of at least four academic terms. The student does have the right, however, to apply for non-co-op diploma programs.

Students can proceed to Work Term 1 with two course deficiencies in Academic Terms 1 and 2. Students are eligible to proceed to Work Term 2 or 3, if they have no more than one term course deficiency and the deficient course is not considered by the Evaluation Committee to be critical to the ensuing work term performance. Passing a supplementary exam will not qualify a student for the next work term.

## **toc: Electronic Device Policy**

### **ELECTRONIC DEVICE POLICY**

The usage of electronic devices in class, laboratory, clinical area and seminar settings can lead to distractions of the instructors and students and is not allowed in the academic class, laboratory, clinical area and seminar environment, unless specified by the instructor. Electronic devices include, but are not limited to, cell phones, portable radio and music devices, electronic translators and laptop computers. Students using electronic devices in contradiction to the wishes of the instructor may be asked to turn off and/or to remove the device or may be asked to leave the class, laboratory, clinical area or seminar.

## **toc: Access to and Release of Student Information**

### **ACCESS TO AND RELEASE OF STUDENT INFORMATION**

The Registrar or delegate is the only CBU official authorized to release official information in the form of student transcripts, grade reports, or letters of standing, whether as individual or aggregate information.

Access to student records is therefore controlled by the Registrar and every caution is taken to ensure their security. Cape Breton University protects the student's right to privacy and as such, access to any private any private and personal information will only be used for internal purposes and will be restricted to CBU employees who have legitimate reasons for accessing the information. Access to student records by CBU employees is therefore controlled by the Registrar and every caution is taken to ensure their security. Confidentiality of information is required.

Students have access to their records at any time as described under the section in these regulations called Transcripts or online through the student log-in at [www.cbu.ca](http://www.cbu.ca).

## **toc: Release of Individual Student Information to the Public**

### **Release of Individual Student Information to the Public**

A student's parents, spouse, relatives, employers and members of other educational institutions or agencies are considered to be members of the public and the following information may be released in person, in writing, or over the telephone but only if the identity of the individual is confirmed: period of registration, program of studies, certificates, degrees, diplomas awarded, date(s) of convocation.

All other information is considered private and will only be released by the Registrar:

- if the student provides prior written consent;
- in accordance with the requirements of professional licensing or certification bodies;
- under the compulsion of law and then only if the Registrar agrees to release the record;
- in an emergency situation and then only if the Registrar agrees to release the information;
- if an organization sponsoring the student requests a statement of academic performance;
- if a person or agency seeks access to the record for research purposes and the following conditions are met:
  - the intended use of the data is stated in the request and is judged by the Registrar to be an appropriate use of the data.
  - any disruption to the operation of the Student Service Centre will be insignificant.

## **toc: Student Intellectual Property Policy**

This policy sets out the guidelines and regulations around intellectual property (IP) related to works created by CBU students as part of their course work as well as when they are employed to conduct research. Please visit the link for more information [http://www.cbu.ca/sites/cbu.ca/files/docs/CBU\\_Student\\_IP\\_Policy.pdf](http://www.cbu.ca/sites/cbu.ca/files/docs/CBU_Student_IP_Policy.pdf)

## **toc: Notification of Disclosure of Personal Information to Statistics Canada**

# Notification of Disclosure of Personal Information to Statistics Canada and the Maritime Provinces Higher Education Commission

## STATISTICS CANADA

Statistics Canada is the national statistical agency. As such, Statistics Canada carries out hundreds of surveys each year on a wide range of matters, including education.

It is essential to be able to follow students across time and institutions to understand, for example, the factors affecting enrolment demand at post-secondary institutions. The increased emphasis on accountability for public investment means that it is also important to understand outcomes. In order to conduct such studies, Statistics Canada asks all colleges and universities to provide data on students and graduates. Institutions collect and provide to Statistics Canada, student identification information (student's name, student ID number, Social Insurance Number), student contact information (address and telephone number), student demographic characteristics, enrolment information, previous education and labour force activity.

The federal Statistics Act provides the legal authority for Statistics Canada to obtain access to personal information held by educational institutions. The information may be used for statistical purposes only and the confidentiality provisions of the Statistics Act prevent the information from being released in any way that would identify a student.

Students who do not wish to have their information used can ask Statistics Canada to remove their identifying information from the national database. On request by a student, Statistics Canada will delete an individual's contact information (name, address, or other personal identifiers) from the PSIS database. To make such a request, please contact Statistics Canada:

### Mail

Institutional Surveys Section  
Centre for Education Statistics  
Statistics, Canada  
150 Tunney Pasture Driveway  
Ottawa, ON K1A 0T6

### E-mail

[PSIS-SIEP\\_contact@statcan.gc.ca](mailto:PSIS-SIEP_contact@statcan.gc.ca)

Further details on the use of the information collected by Statistics Canada can be obtained from the Statistics Canada Web Site.

## Maritime Provinces Higher Education Commission

The MPHEC collects the data described above on behalf of Statistics Canada. In addition, it archives these data and uses them to generate basic statistics, research products, as well as the sampling frame for its graduate survey. These activities support its mandate, which is to assist institutions and governments in enhancing the post-secondary learning environment. The legal authority for these activities is provided by the Maritime Provinces Higher Education Commission Act. The act also requires that all data received by the Commission is kept confidential, and ensures the protection of personal information. More information about the MPHEC and its Standard for Maintaining Confidentiality may be found at [www.mphec.ca](http://www.mphec.ca).

Regarding those students who do not wish to have their information used. Statistics Canada will notify the MPHEC of any student choosing to have their personal information removed from the national database, and their information will be subsequently be removed from the MPHEC's database.

## toc: Directories



## Directories

Cape Breton University will prepare lists of students, giving ID, name, address and telephone number for use by its administrative officials, including Students' Union personnel. These lists include information on all currently registered students and are considered to be confidential.

Directories are not permitted to be published.

## toc: Degree Programs

### PROGRAMS

CBU offers a wide variety of programs leading to the awarding of degrees, diplomas and certificates. Through CBU degree programs students have the opportunity to work with faculty on research projects that provide hand-on experience. There are courses that move out of the classroom into the field applying theory to tackle real-world problems. A listing of the degree programs and their admission requirements can be found below. Further information about degree program regulations and diploma and certificate programs can be found under the Academic School headings.

## toc: Bachelor of Arts

### Bachelor of Arts

#### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English, with an overall average of at least 65%.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

**Please refer to the School of Arts and Social Sciences section for further program information.**

## toc: Bachelor of Arts Community Studies

### Bachelor of Arts Community Studies

#### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English, with an overall average of at least 65%.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

**Please refer to the School of Arts and Social Sciences section for further program information.**

## toc: BACS/BBA

### Bachelor of Arts Community Studies/Bachelor of Business Administration

Please refer to the Shannon School of Business section for further information.

## toc: Bachelor of Business Administration

### Bachelor of Business Administration

#### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 65%. Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

### **Bachelor of Business Administration-Accounting Major**

#### Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Accounting. Students must be in good academic standing with a minimum 60% average.

### **Bachelor of Business Administration- Marketing Major**

#### Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Marketing. Students must be in good academic standing with a minimum 60% average.

**Please refer to the Shannon School of Business section for further program information.**

## **toc: Bachelor of Education**

### **Bachelor of Education**

#### Admission Requirements

#### INTERMEDIATE/SECONDARY EDUCATION PREREQUISITES

A concentration of at least 30 credit hours of university coursework in a discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement;

A concentration of at least 18 credit hours of university coursework in a second discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement.

#### INTERMEDIATE/SECONDARY TEACHABLES

English, Math, French, Fine Arts, Technology, Science (Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies) and Social Studies (History, Geography, Political Science, Anthropology\*, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies, Law and Classics). Applicants to the Bachelor of Education (Intermediate/Secondary) cannot be accepted to this program if the first and second teachable disciplines are both social studies related disciplines.

\* can be used as a second teachable discipline only

#### ELEMENTARY EDUCATION PREREQUISITES

Candidates for the Bachelor of Education (Elementary) must have successfully completed the following:

- 9 credits in social studies (from among History, Geography, Political Science, Anthropology, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies and/or Philosophy) NOTE: This requirement will change to six (6) credits of university social studies coursework for May 2013.
- 6 credits in science (from among Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies)
- 3 credits in Mathematics NOTE: This requirement will change to six (6) credits for university mathematics coursework for May 2013.
- 6 credits in English
- 6 credits in Developmental Psychology
- All students are required to have an undergraduate degree from a recognized university, with a minimum of 90 credit hours completed.

Students in good academic standing, who have achieved an average of at least 65% throughout their undergraduate degree and an average of at least 70% in the last 60 credits attempted, are eligible for admission to the program.

**Please see the School of Professional Studies section for further program information.**

## **toc: Bachelor of Engineering Technology**

### **Bachelor of Engineering Technology**

This Degree is available in four distinct technical disciplines: 1) Electronics & Controls, 2) Environmental Studies, 3) Manufacturing and 4) Petroleum.

#### **1. Bachelor of Engineering Technology (Electronics and Controls):**

##### Admission Requirements

**High School Graduates:** Five Grade 12 advanced or academic courses including English and Mathematics, and two other sciences (Physics is recommended); with an overall average of at least 65%.

**Diploma/Degree Graduates:** Appropriately accredited community college diploma at the technologist level or university science degree in electrical/electronics and closely related programs only. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits.

**Partially Completed Diploma/Degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

#### **2. Bachelor of Engineering Technology (Environmental Studies)**

##### Admission Requirements

**High School Graduates:** Five Grade 12 advanced or academic courses including English, Mathematics and two sciences (Physics and Chemistry are recommended, with an overall average of at least 65%). Environmental Science 12 may be used as the second science with biology, chemistry or physics.

**Diploma/Degree Graduates:** Appropriately accredited community college diploma at the technologist level or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specify the matching programs and, in some cases, matching courses that allow transfer credits.

**Partially Completed Diploma/Degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

#### **3. Bachelor of Engineering Technology (Manufacturing)**

##### Admission Requirements

Currently, applications will be accepted into the Manufacturing stage only, with the successful completion of an acceptable Technology diploma.

PLEASE NOTE THAT THE MECHANICAL ENGINEERING TECHNOLOGY DIPLOMA PROGRAM IS CURRENTLY UNDER REVIEW. INTERESTED STUDENTS SHOULD CONTACT THE ENGINEERING DEPARTMENT FOR FURTHER INFORMATION. The Bachelor of Engineering Technology Degree (Manufacturing) remains available to graduates of acceptable Technology Diploma Programs.

**High School Graduates:** Five Grade 12 advanced or academic courses including English and Mathematics and two sciences; (Physics is recommended) with an overall average of at least 65%.

**Diploma/Degree Graduates:** Appropriately accredited community college diploma at the technologist level or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits. Contact the department for details.

**Partially Completed Diploma/Degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering department.

#### **4. Bachelor of Engineering Technology (Petroleum)**

##### Admission Requirements

**High School Graduates:** Five Grade 12 advanced or academic courses including English, Mathematics and two other sciences; (Physics and Chemistry recommended) with an overall average of at least 65%.

**Diploma/Degree Graduates:** Appropriately accredited community college diploma at the technologist level, or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits.

**Partially completed diploma/degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

**Please see the School of Science and Technology section for further program information.**

## **toc: Bachelor of Engineering Transfer Program**

### **Bachelor of Engineering Transfer Program**

##### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English; Mathematics; and two grade 12 academic sciences with an overall average of at least 65%. Pre-calculus Mathematics 12 and Physics 12 is recommended.

Students may substitute one open course for one advanced or academic course except where a particular course is specified.

Students in all Engineering options are required to write the Calculus Readiness Test for entry into the required MATH1105 or MATH1101 course (See Calendar of Events).

**Please refer to the School of Science and Technology section for further program information.**

## **toc: Bachelor of Health Sciences (Public Health)**

### **Bachelor of Health Sciences (Public Health)**

##### Admission Requirements

**High School Graduates:** Five Grade 12 advanced or academic courses including English, Mathematics, Chemistry and one other science; with an overall average of at least 65%. Biology is recommended.

**Diploma/Degree Graduates:** appropriately accredited community college diploma at the technologist level, or university science degree, where the programs are a reasonable match. The following term-courses or their equivalents are required for entry into the two-year accelerated option:

- General Chemistry;
- Communication or English (2);
- Biology;
- Organic Chemistry;
- Introductory Microbiology;
- Math;
- Anatomy & Physiology;
- Statistics;
- Physics;
- Science/Technology Elective;

- Free Electives (5).

**Partially completed diploma/degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the program.

In-career health inspectors: CPHI(C) credential is required to enter the one-year professional degree completion option.

**Please refer to the School of Professional Studies section for further program information.**

## **toc: Bachelor of Hospitality and Tourism Management**

### **Bachelor of Hospitality and Tourism Management**

#### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English and Mathematics with a minimum average requirement of 65%.

Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

**Please refer to the Shannon School of Business section for further program information.**

## **toc: Bachelor of Science**

### **Bachelor of Science**

#### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or Pre-Calculus Mathematics with an overall average of at least 65%. Recommended: Pre-Calculus Mathematics.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

**These regulations were accurate at the time of publication. Some changes are anticipated. Please check with the Dean's office for current regulations.**

**Please refer to the School of Science and Technology section for further program information.**

## **toc: Bachelor of Science Community Studies**

### **Bachelor of Science Community Studies**

#### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or pre-calculus Mathematics with an overall average of at least 65%. Recommended: Pre-calculus Mathematics.

Students may substitute one open course for one advanced or academic course except where a particular course is specified.

Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

**It is strongly recommended that students contact CBU's Student Advisors to discuss their two work placements within the first year of their program.**

**Please refer to the School of Science and Technology section for further program information.**

## **toc: Bachelor of Science in Human Nutrition (Transfer)**

### **Bachelor of Science in Human Nutrition (Transfer)**

#### Admission Requirements

**Required:** Five grade 12 academic or advanced courses including English; Math; two of Biology, Chemistry, Geology, or Physics.

One other academic or advanced course with an average of at least 65%- Pre-calculus Mathematics, Chemistry and Biology are recommended.

**Please refer to the School of Professional Studies section for further program information.**

## **toc: Bachelor of Science Nursing**

### **Bachelor of Science Nursing**

#### Admission Requirements

The Bachelor of Science Nursing is a limited entry program and therefore admission to the program is competitive. The Office of the Registrar ranks all eligible first year candidates based on their academic average.

DEADLINE FOR APPLICATION: General Admission and Nursing applications, along with all supporting documentation must be received by February 28 for consideration for admission for the following September start date.

#### **Admission from High School**

**Required:** Five Grade 12 advanced or academic (university preparatory) courses including English; Mathematics; and two sciences (Chemistry and Biology recommended), with an overall average of at least 65% in both Grades 11 and 12.

\*Effective September 2014, the admission requirement will change to 70%.

Early fall admission from Grade 12 with an average of 80% from five Grade 11 advanced or academic (university preparatory) courses including English; Mathematics; and two sciences (Chemistry and Biology recommended), with a minimum grade of 80% in math and sciences. Applicant must also be registered in required grade 12 courses as listed above.

#### **Admission from University**

Applicants attending or having attended a University must meet the same requirements as listed above but can also complete the course requirements by taking degree level courses. A minimum mark of 60% is required in degree level courses.

### **Bachelor of Science Nursing with Advanced Major**

Students who wish to enter the advanced major must apply by March 31 of their third year, after meeting with the Associate Dean or Department Chair from the Nursing program. The application must be approved first by the Associate Dean/Department Chair and then by the Dean.

#### Admission Requirements

The normal admission requirements are:

- An average of at least 60% in each of the first and second years;
- Grades of at least 65% in each NURS course;
- No nursing practice improvement in the first and second years.

Exceptions to these requirements require the approval of the Dean.

**Please refer to the School of Professional Studies section for further program information.**

## **toc: Bachelor of Technology (Emergency Management)**

### **Bachelor of Technology (Emergency Management)**

#### Admission Requirements

Applicants are required to have a previous diploma or degree. Those with other relevant combination of education and employment experiences will be considered on an individual basis.

In addition to the general application to the university, the following documentation must be submitted:

- Covering Letter explaining how your previous education and work experience relate to emergency management.
- Statement of Interest of approximately 500 words describing your interest in emergency management, what you hope to gain from this degree program and your expectations from participating.
- Resume or Curriculum Vitae (CV).

**Please refer to the School of Professional Studies section for further program information.**

## **toc: Bachelor of Technology Information**

### **Bachelor of Technology Information**

#### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 65%.

**Please see the Shannon School of Business section for further program information.**

## **toc: Master of Business Administration in Community Economic Development**

### **Master of Business Administration in Community Economic Development**

#### Admission Requirements

To meet standard admission requirements for the MBA in CED, a Bachelor's Degree with a B average from a recognized university is required.

The application will be processed when all of the following documents and fees have been received:

- a completed application form, with the non-refundable application fee
- official transcripts for all previous post-secondary study
- a resume detailing employment experience, skills, community involvement and interests
- a 500-800 word statement on desire to enter the program
- three reference letters, preferably including one professional and one academic reference, each accompanied by a completed reference form
- satisfactory scores on the GMAT or GRE
- satisfactory scores on the TOEFL/IELTS (for students whose native language is not English)
- satisfactory performance in an interview

Candidates who do not have an undergraduate degree, and show potential for success in graduate level study, may be admitted to the MBA in CED as non-traditional students. Extensive career and/or volunteer experience are expected. The candidates will be assessed individually in such areas as experience and performance in a number of education/training courses. Applicants must provide all documentation listed above and a 4-6 page

essay outlining desire to enter the program.

Reference letters must be originals, sent directly by the referees. Only official transcripts sent by the Registrar of the issuing institution will be accepted. The Educational Testing Service must forward GMAT, GRE and TOEFL/IELTS score reports. Photocopies of any of these documents will not be accepted.

#### SEMESTER FORMAT DELIVERY

The semester format delivery follows the September – April academic year on campus in Sydney.

Deadline for application is May 31, for a September start.

#### MODULAR FORMAT DELIVERY

The modular format appeals to working adults. It includes short, on-site residencies followed by deliverables paced over a 12 week period. This residential program enables learners to take four to five classes each July in Sydney and thus complete all program coursework over three July residencies (26 months).

Deadline for application is March 31, for a July start.

Note: Students can combine the semester format and modular format delivery to complete the program in 12 months.

#### WEEKEND FORMAT DELIVERY (OFF CAMPUS)

Learners can opt to complete the program in 22 months by attending classes on alternate weekends in certain cities across Canada, including Edmonton and Saskatoon.

Please contact [mba@cbu.ca](mailto:mba@cbu.ca) regarding application deadlines and venues.

#### SCHEDULES, TUITION AND FEES

Program schedules, tuition and fees for off-campus delivery will differ from the program offered on-site at Cape Breton University's Sydney campus. For more information about the Master of Business Administration in Community Economic Development program at different locations, please contact the Director at [mba@cbu.ca](mailto:mba@cbu.ca), or (902) 563-1467.

#### ADVANCED STANDING

Requests from applicants to receive transfer credits for courses will be reviewed individually. Transcripts of courses, along with a detailed description of course content will be required.

Students can make a request to challenge course(s) and each request will be reviewed on its own merits.

Applicants can apply for advanced standing on the basis of career experience and training and each request is subject to a Prior Learning Assessment (PLA) review.

**Please see the Shannon School of Business section for further program information.**

## **toc: Master of Education (Information Technology)**

### **Master of Education (Information Technology)**

#### Admission Requirements

In addition to meeting the requirements in the general degree regulations, Faculty of Education, MUN, candidates must have successfully completed one of: a diploma or certificate in information technology from an accredited institution; CBU EDUC5132; MUN E2751 and MUN E3751; or equivalent, as determined by the program steering committee.

**Please see the School of Professional Studies for further program information.**

## **toc: School of Arts and Social Sciences**



## **SCHOOL OF ARTS AND SOCIAL SCIENCES**

### **Disclaimer**

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

**Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.**

### **Arja Vainio-Mattila PhD – Dean**

The School of Arts and Social Sciences is the administrative home of the Bachelor of Arts degree and the Bachelor of Arts Community Studies degree. The degrees may be completed through either full-time or part-time study. The Bachelor of Arts offers both 3-year and 4-year degrees in a variety of disciplines and options. Bachelor of Arts Community Studies (BACS) program is a process-oriented, experiential degree program that prepares students for the job market. The core Community Studies courses are delivered in a small group format and focus on problem-solving, critical thinking, community based research and intervention, self-directed learning, reflective learning and work placements. There are transfer credit arrangements with community colleges in Newfoundland, New Brunswick and Nova Scotia as well as the Atlantic Police Academy in PEI. This degree program can be completed on campus or online. The online BACS degree options are limited to the disciplines currently offered online (see Online Education course offerings).

### **BA General Program – 3-Year Degree**

Anthropology, Anthropology-Sociology (jointly), Celtic Culture, Communication, English, Ethnomusicology, Folklore, French, History, Mathematics, Mi'kmaq Studies, Philosophy, Political Science, Psychology, Religious Studies and Sociology.

### **BACS General Program – 3 Year Degree**

In addition to the core Community Studies courses (24 credits), students choose an Academic Field ( 24 credits) from a variety of disciplines, plus career related disciplines and electives

### **BACS Sports & Human Kinetics (Academic Field) – 3 Year Degree**

Students are required to take the core Community Studies courses ( 24 credits), Sports and Human Kinetics courses, ( 24 credits), plus career related disciplines and electives.

### **BA/BACS Major Program – Major/Minor and Double Major 4-Year Degree**

Major in Anthropology, Anthropology-Sociology (jointly), Communication, Dramatic Literature, English, Folklore, History, Mathematics, Mi'kmaq Studies, Philosophy, Political Science, Psychology and Sociology.

### **BA/BACS Major Program - Area Major 4-Year Degree**

Students considering these options should consult a department chair.

### **BACS Music Major – 4 Year Degree**

This major specializes in traditional and tradition-based popular music. It requires a Major in Music, Community Studies courses, a Minor and electives.

### **Bachelor of Arts Community Studies/Bachelor of Business Administration – 4 year Degree**

CBU offers students an opportunity to obtain both their BACS and BBA degrees in four years. At the end of three successful years, students will receive a Bachelor of Arts Community Studies degree with an academic focus in Business. After the fourth successful year, they will receive a Bachelor of Business Administration.

## **BA/BACS Honours Program**

CBU offers honours programs in the following areas: Anthropology, Communication, English, History, Political Science, Psychology and Sociology

## **Diploma and Certificate Programs**

The school offers a Diploma in Public Administration and Management, and Certificates in Theatre Arts, Ethnomusicology, Heritage Studies, Public Administration, and Social Research.

# **toc: Departments**

## **Anthropology/Sociology**

Chair, Kate Krug

The Department of Anthropology and Sociology provides a full range of courses in Cultural Anthropology and Sociology. It offers three-year specializations and four-year majors in Anthropology, Sociology or the joint Anthropology/Sociology option, as well as an Honours degree in Anthropology or Sociology. The Department also offers a Certificate in Social Research.

## **Communication**

Chair, Dawn White

The Department of Communication offers courses in communication theory and practice, rhetoric, and media studies. Its emphasis on interpersonal and oral communication is rare in Canadian universities. Students may complete a specialization, a major, a double major, an area major or an honours program in Communication.

## **Community Studies**

Chair, Pat Maher

The Department of Community Studies provides the core Community Studies (COMS) courses and Sports and Human Kinetics courses for the Bachelor of Arts Community Studies (BACS) degree. The COMS courses are process-education courses delivered in a small group format and emphasize problem-solving skills, critical analysis and community-based research and intervention. The Sport & Human Kinetics courses explore the foundational theory of topics and provide the opportunity to practice what is learned through experiential activities. This education approach to developing knowledge, skills, and leadership abilities is central to the SPHK courses.

## **History and Culture**

Chair, Andy Parnaby

The Department of History and Culture provides various options (including Concentrations, Majors, and Honours) in both European and North American history. A special resource for the study of Atlantic and Cape Breton history is the world-class collection of documents available on the CBU campus in the Beaton Institute. The Department also offers programs in Folklore, Ethnomusicology, and Celtic Culture. It is the home of the Centre of Cape Breton Studies and the Louisbourg Institute.

## **Languages and Letters**

Chair, Nathaniel Leach

The Department of Languages and Letters offers a three-year specialization, four-year major and an honours degree in English; it offers an area major and minor in French. English, French and Spanish courses can also be used as electives (please see Celtic Studies for courses Gaelic and Mi'kmaq Studies for courses in Mi'kmaq). The English program provides a full selection of options in British, Canadian, American, and world literature as well as courses in writing. The Department also provides courses for the Drama minor and the undergraduate Certificate in Theatre Arts.

## **Mathematics**

Chair, James Preen

Mathematics falls within the Department of Mathematics, Physics and Geology in the School of Science and Technology. However, a concentration in Mathematics is available in the three-year Bachelor of Arts. Majors in Mathematics are available to students in the four-year Bachelor of Arts and Bachelor of Arts Community Studies degrees. Students should consult the Dean of Science or the chair for more information.

## **Indigenous Studies**

Chair, Stephen Augustine

The Department of Indigenous Studies of Unama'ki College brings together full and part-time faculty members involved in the teaching and development of university courses within the disciplines of Mi'kmaq Studies and MSIT /Integrative Science.

Mi'kmaq Studies as a discipline, examines aspects of Mi'kmaw culture including language, governance, spirituality and contemporary social issues. The department offers twenty two (22) courses within the discipline of Mi'kmaq Studies and the courses are organized into two main streams: 'language and culture' and 'governance and history'. The courses are open to all students enrolled at Cape Breton University. Students may obtain a BA / BACS Major or Minor in Mi'kmaq Studies or may simply wish to take a few courses as Electives within the BA, BACS or BBA Degrees. Mi'kmaq Studies courses are often of interest to students who plan to pursue careers in law, medicine, social work, teaching or anthropology.

## **Philosophy and Religious Studies**

Chair, Ruby Ramji

The Department of Philosophy and Religious Studies provides a three-year specialization and four-year majors in Philosophy as well as a three-year specialization and a minor in Religious Studies.

A revision of the department's offerings allows students to choose a three-year specialization and electives selected from a new set of courses focusing on the examination of values - religious, scientific, social, political, moral and aesthetic. A traditional, historically-based four-year major in Philosophy is also available.

## **Political Science**

Chair, Tom Urbaniak

The Department of Political Science offers a variety of courses in the fields of Canadian Politics and Government, Law and Social Justice Policy, Public Administration and Public Policy, Local and Regional Politics, Government-Business Relations, International Relations, Strategic Studies and Political Theory.

## **Psychology**

Chair, Geoff Carre

The Department of Psychology falls under the School of Science and Technology. However, majors are available to students in the Bachelor of Arts and Bachelor of Arts Community Studies degrees. Students should consult the Dean of Science and Technology or the Chair for more information.

## toc: Academic Program Regulations for BA and BACS Degrees

<b>Bachelor of Arts Core – Required to graduate with BA</b>	
<b>Group 1</b>	Any 6 credits of English with the exception of ENGL2604, ENGL2601, ENGL2605, ENGL2623, ENGL2624, ENGL2625, ENGL3621, ENGL3623
<b>Group 2</b>	6 credits from among Humanities, Philosophy, History or Religious Studies courses
<b>Group 3</b>	6 credits from among Anthro/Soc, Political Science, Economics or Mi'kmaq Studies courses
<b>Group 4</b>	6 credits from among Art, Music, Folklore, Communication, Drama, ENGL2604, ENGL2605.
<b>Group 5</b>	6 credits from among, AN/S2200, PHIL2104, PHIL2221, PHIL2223; or Quantitative Research Methods (AN/S2212, POLS2162, PSYC2101, PSYC3101) Science (including MSIT), Accounting, Management Science, or Mathematics.

<b>Bachelor of Arts Community Studies 3 year</b>	
<b>Core</b>	COMS1100, COMS2103, COMS2105, COMS2101, COMS3100, COMS3101
<b>Academic Field</b>	24 credits in one discipline with at least 6 credits at the 3000 or 4000 level
<b>Career Area</b>	24 credits between two or three different disciplines
<b>Electives</b>	18 credits in any discipline ( maximum 6 credits from Academic Field and Career Area)
COMS4100 : Self Directed Senior Project is required for all 4 year BACS degrees.	

## toc: Program Options

### toc: 3-Year BA General (90 credits)

#### 3-Year BA General (90 credits)

- BA Core (30 credits)
- Of the 30 credits required in an academic Concentration, there shall be a maximum of 9 credits at the 1000 level and a minimum of 12 credits at the 3000 or 4000 level.
- 30 credits electives

### toc: 3-Year BACS General (90 credits)

#### 3-Year BACS General (90 credits)

See chart under "Academic Program Regulations for BA and BACS Degrees".

### toc: 4-Year BA or BACS Major/Minor (120 credits)

#### 4-Year BA or BACS Major/Minor (120 credits)

- BA Core or BACS Core plus COMS4100 (30 credits)
- Of the 48 credits required in the Major subject, there shall be a maximum of 9 credits at the 1000 level and a minimum of 24 credits at the 3000 or 4000 level, of which at least 9 credits must be at the 4000 level.
- Of the 24 credits required in the Minor subject, there shall be a maximum of 9 credits at the 1000 level and a minimum of 6 credits at the 3000 or 4000 level.

- 18 credits electives

If there is a Departmental option to do a 4000 level Directed Study course in the Major subject during the graduating year, students must consult with the Chair as early as possible, and no later than the second week of September. Taking advantage of this option depends on the availability of instructors.

To graduate with a Major, students must achieve an average of at least 65% overall in the final two years of their degree, and an average of at least 65% in the Major discipline.

## **toc: 4-Year BA or BACS Double Major (120 credits)**

### **4-Year BA or BACS Double Major (120 credits)**

- BA Core or BACS Core plus COMS4100 (30 credits)
- 36 credits are required in each Major subject. In each of the Major subjects there shall be a maximum of 9 credits at the 1000 level and a minimum of 18 credits at the 3000 level or above, including a minimum of 6 credits at the 4000 level.
- 18 electives

To graduate with a Major, students must achieve an average of at least 65% overall in the final two years of their degree, and an average of at least 65% in the Major discipline.

## **toc: 4-Year BA or BACS Area Major (120 credits)**

### **4-Year BA or BACS Area Major (120 credits)**

- BA Core or BACS Core plus COMS4100 (30 credits)

Students interested in a Major focused on a general area must consult with a Department Chair regarding the selection of courses constituting the Area Major. In an Area Major, a student combines courses to form a coherent topic with a specific focus – in effect, a customized program. The 3 majors in the Area Major can be any discipline that meets the requirements listed above for area majors.

- 72 credits must be taken across three different disciplines, with a maximum of 18 credits at the 1000 level over the three disciplines; a minimum of 24 credits at the 3000 or 4000 level, including 6 credits at the 4000 level, over the three disciplines; and a minimum of 6 credits at the 3000 or 4000 level in each of the three disciplines.
- There must be a minimum of 18 credits in each major discipline.
- 18 credits electives

Once a topic is chosen in consultation with a Department Chair, it must be approved by the Dean of Arts & Social Sciences (who seeks advice from the Chairs of all disciplines involved in the topic area). Approval must be received after the first 60 credits of the degree.

To graduate with a Major, students must achieve an average of at least 65% overall in the final two years of their degree, and an average of at least 65% in the Major discipline.

## **toc: 4-year BA or BACS Honours (120 credits)**

### **4-year BA or BACS Honours (120 credits)**

- BA Core or BACS Core plus COMS4100 (30 credits)
- Of the 66 credits required in the Honours subject, 36 credits must be at the 3000 or 4000 level which must include a minimum of 15 credits at the 4000 level. A 6 credit Honours thesis in the subject is required and the thesis can be included in 15 credits at the 4000 level.
- 24 credits electives

To ensure that students meet Honours graduation requirements, and to ensure that Departments can provide suitable thesis supervisors, students are strongly recommended to register in an Honours program after completing 60 credits (in their BA or BACS degree). This is done by filling out a “change of program” form which must be approved by the Dean.

To register in an Honours program, it is strongly recommended that students have an average of at least 75% over all courses in the Honours subject during their student's first 60 credits.

To graduate in an Honours program, students must earn an average of 75% over the last 60 credits taken in their BA or BACS degree, an average of 75% over all courses in the Honours subject, and 75% on the Honours thesis.

While students must meet the overall program requirements stated above, they should recognize that most Departments have additional requirements in specific subjects that students must also meet.

Approved Subjects for 3 year BA Concentration	Approved Subjects for 4 year BA or BACS Major or Double Major	Approved Subjects for 4 year BACS Major	Approved Subjects for 4 year BA or BACS Honours
Anthropology	Anthropology	Music	Anthropology
Anthropology/Sociology	Anthropology/Sociology		Communication
Celtic Culture	Communication		English
Communication	Dramatic Literature		History
English	English		Political Science
Ethnomusicology	Folklore		Psychology
Folklore	History		Sociology
French	Mathematics		
History	Mi'kmaq Studies		
Mathematics	Philosophy		
Mi'kmaq Studies	Political Science		
Philosophy	Psychology		
Political Science	Sociology		
Psychology			
Religious Studies			
Sociology			

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**toc: Admission Requirements**

**Admission Requirements**

**Required:** Five Grade 12 advanced or academic courses including English, with an overall average of at least 65%.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

**toc: Departmental Regulations**

**toc: Anthropology**

**Anthropology**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must be met by students in Anthropology programs. (NOTE: ANTH and/or AN/S courses may be used to satisfy minimum BA or BACS degree requirements in Anthropology programs.)

**BA Concentration (30 Credits in Anthropology)**

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods is not required but strongly recommended

### **BA Minor (24 Credits in Anthropology)**

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent

### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

### **BA or BACS Major (48 Credits in Anthropology)**

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits ANTH Theory (ANTH3100)
- 6 credits of Research Methods (AN/S2210 or AN/S2212)
- 6 credits in Physical, Archaeological &/or Linguistic Anthropology

### **BA or BACS Double Major (36 credits in Anthropology)**

- 6 credits AN/S1200 Introduction to Anthropology & Sociology or equivalent
- 6 credits ANTH theory (ANTH3100)
- 6 credits Research Methods (AN/S2210 or AN/S2212)

### **BA or BACS Area Major (with Anthropology)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Anthropology as one of the subjects in the Area Major should consult with the Department Chair.

### **BA or BACS Degree Honours (66 Credits in Anthropology)**

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in an Anthropology Honours must include:

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods. Qualitative is recommended.
- 6 credits Anthropological Theory (ANTH3100)
- 12 credits in Physical, Archaeological &/or Linguistic Anthropology

## **toc: Anthropology/Sociology(Joint Programs)**

### **Anthropology/Sociology (Joint Programs)**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must be met by students in Anthropology/Sociology programs. (NOTE: ANTH, SOC and/or AN/S courses may be used to satisfy minimum BA or BACS degree requirements in Anthropology/Sociology joint programs.)

### **BA Concentration (30 Credits in Anthropology/Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods is not required but strongly recommended

### **BA Degree Minor (24 Credits in Anthropology/Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent



**BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

**BA or BACS Major (48 Credits in Anthropology/Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent
- 6 credits of Theory (SOCO3300 OR ANTH3100)
- 6 credits of Research Methods (AN/S2210 OR AN/S2212)

**BA or BACS Double Major (36 credits in Anthropology/Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits Theory (ANTH3100 OR SOCO3300)
- 6 credits Research Methods (AN/S2210 OR AN/S2212)

**toc: Celtic Culture**

**Celtic Culture**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Celtic Culture programs.

**BA Concentration (30 credits in Celtic Culture)**

- Students must choose from at least three of the four groups listed below
- Six (6) credits minimum in Gaelic language (any GAEL course)
- Minimum of 12 credits at the 3000 level or higher

**BA Minor (24 credits in Celtic Culture)**

- Students must choose from at least three of the four groups listed below
- Six (6) credits minimum in Gaelic language (any GAEL course)
- A minimum of 6cr at the 3000 level or higher

**BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

**BA or BACS Area Major (with Celtic Culture)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Celtic Culture as one of the subjects in the Area Major should consult with the Department Chair.

GROUP 1	GROUP 2	GROUP 3	GROUP 4
<b>Folklore/ Music</b>	<b>History</b>	<b>Literature</b>	<b>Religion</b>
MUSI2201 or FOLK2103	HIST2102	ENGL2461	RELS2104
Introduction to Gaelic Song	Celtic History	Celtic Revival Literature	inCeltic Religion I: Druidism
MUSI2203 or FOLK2113	HIST3101	ENGL2463	RELS2105
Introduction to Celtic Instrumental Music	Modern Ireland, 1603-1848	Modern Literature	CelticCeltic Religion II: Christianity
MUSI2251 or FOLK2105	HIST3103	ENGL4401	
Social History of Celtic Music & Dance	Modern Ireland, 1848-2000	Contemporary Literature	Irish

MUSI2221 or FOLK2107	HIST3122
Early Canadian Celtic Music MUSI2223 or FOLK2108	Modern Scottish Highlands HIST3130
Contemporary Canadian Celtic Music MUSI2911	Viking World
Cape Breton Fiddle MUSI2913	
Fiddle Music for Dancing MUSI2917 Cape Breton Fiddle Composers MUSI2915 Evolution of the Cape Breton Fiddle Style	

## toc: Communication

### Communication

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Communication programs.

#### BA Concentration (30 credits in Communication)

There are no special or additional requirements.

#### BA Minor (24 credits in Communication)

There are no special or additional requirements.

#### BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

#### BA or BACS Major (48 credits in Communication)

- COMM2101 (Research Concepts)

#### BA or BACS Double Major (36 credits in Communication)

- COMM2101 (Research Concepts)

#### BA or BACS Area Major (with Communication)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Communication as one of the subjects in the Area Major should consult with the Department Chair.

#### BA or BACS Honours (66 credits in Communication)

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in a Communication Honours must include:

- COMM2101 (Research Concepts)

## toc: Drama

## Drama

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Drama programs. PLEASE NOTE – Drama may be used as a Minor and/or for the Theatre Arts Certificate.

### BA Minor (24 credits in Drama)

- DRAM1101 (Introduction to Play Production)

### BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## toc: English

### English

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Students choosing to do a directed study must consult with the Chair of the Department within the September registration deadlines. However, they are encouraged to consult with the Chair prior to the registration period. Listed below are *special or additional requirements* that must also be met by students in English programs.

### BA Concentration (30 credits in English)

- No more than 6 credits at the 1000 level may be used in the Concentration
- At least 6 credits must be taken from each of at least 3 of the six categories listed in the chart below for a total of 18 credits
- At least 6 credits at the 4000 level

### BA Minor (24 credits in English)

- No more than 6 credits at the 1000 level may be used in the Minor

### BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

### BA or BACS Major (48 credits in English)

- No more than 6 credits at the 1000 level may be used in the Major
- At least 12 credits from categories 1, 2 and/or 3, with representation from at least two groups
- At least 12 credits from categories 4 and 5, 3 credits of which must be from group 5
- ENGL2610
- 18 credits must be at the 4000 level, including the option of 6 credits as a Directed Study

### BA or BACS Major (48 credits in English with Specialization in Dramatic Literature)

- No more than 6 credits at the 1000 level may be used in the Major
- At least 6 credits from each of three different categories (see groups 1-6) for a total of 18 credits
- At least 24 credits in dramatic literature, including ENGL2240
- 18 credits must be at the 4000 level, at least 6 of which must be dramatic literature, and including the option of 6 credits as a Directed Study

### BA or BACS Double Major (36 credits in English)

- No more than 6 credits at the 1000 level may be used in the Major
- At least 12 credits from categories 1, 2 and/or 3, representation from at least two groups
- At least 6 credits from category 4
- ENGL2610

- 12 credits at the 4000 level

## BA or BACS Area Major (with English)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using English as one of the subjects in the Area Major should consult with the Department Chair.

## BA or BACS Honours (66 credits in English)

The 66 required credits in English must include:

- No more than 6 credits at the 1000 level may be used in the Honours
- At least 6 credits from each of categories 1, 3 and 5 for a total of 18 credits
- 12 credits from category 2, of which 6 credits must be in Shakespeare
- 12 credits from category 4, of which 6 credits must be in Canadian Literature
- ENGL2610
- 12 credits at the 4000 level
- Students in their graduating year must consult with the Chair about their Honours thesis as early as possible, and no later than the second week of September

### Category 1

### Category 2

### Category 3

ENGL2100 History of the English Language	ENGL2200 Non-dramatic Literature of the 16 <sup>th</sup> Century	ENGL2300 Eighteenth Century
ENGL3120 Middle English	ENGL2240 Shakespeare	ENGL2340 The Romantic Movement
ENGL3122 Medieval Drama	ENGL3200 Literature of the 17 <sup>th</sup> Century	ENGL2360 Victorian Literature
ENGL4140 Introduction to Old English	ENGL3201 Literature of the Early 17 <sup>th</sup> Century	ENGL2441 American Literature
	ENGL3203 Development of 17 <sup>th</sup> Century Literature	ENGL2684 Children's Literature
	ENGL3241 Renaissance Drama I	ENGL2685 Children's Literature
	ENGL3243 Renaissance Drama II	ENGL3320 Restoration and Eighteenth Century
	ENGL4200 Milton	ENGL3322 Nineteenth Century

ENGL4240 Studies in Shakespeare

ENGL3360 The Nineteenth Cer

ENGL4360 Nineteenth Century

ENGL4362 Literature of Transi

ENGL3301 Romantic Drama

ENGL3303 Victoria Drama

Special topics courses are categorized on the basis of their subject matter and historical context

## toc: Folklore

### Folklore

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Folklore programs.

#### **BA Concentration (30 credits in Folklore)**

- FOLK1101 and FOLK1103
- 6 credits at the 2000-level

#### **BA Minor (24 credits in Folklore)**

- FOLK1101 and FOLK1103
- 6 credits at the 2000-level

#### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

### **BA or BACS Major (48 credits in Folklore)**

- FOLK1101 and FOLK1103
- 12 credits from Group A courses, listed below
- 12 credits from Group B courses listed below

### **BA or BACS Double Major (36 credits Folklore)**

- FOLK1101 and FOLK1103
- 6 credits from Group A courses listed below
- 6 credits from Group B courses listed below

### **BA or BACS Area Major (with Folklore)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Folklore as one of the subjects in the Area Major should consult with the Department Chair.

<b>Group A</b>	<b>Group B</b>
<b>Regional Studies</b>	<b>Folklore Themes &amp; Genres</b>
FOLK2101 Cultural Heritage of Cape Breton	FOLK2103 Custom
FOLK2104 Atlantic Canadian Folklore	FOLK2109 Material Culture
FOLK2105 Social History of Celtic Music & Dance	FOLK2401 Oral Literature: Storytelling & Other Verbal Genres
FOLK2107 Early Canadian Celtic Music	FOLK2404 Urban Legend
FOLK2108 Contemporary Canadian Celtic Music	FOLK2406 Vernacular Architecture
FOLK2111 Introduction to Gaelic Song	FOLK2407 Food & Culture
FOLK2113 Introduction to Celtic Instrumental Music	FOLK2408 Folklife
FOLK2261 Celtic Dance	FOLK2501 Popular Music & Culture: 1890-1950
FOLK2403 Atlantic Canadian Folk Music	FOLK2503 Popular Music & Culture: 1950-Present
	FOLK3201 Folklore & Popular Culture
	FOLK3301 Revivals & Survivals: Studying Folk Song & Traditional Music
	FOLK3400 Canada's Cultural Landscape
	FOLK3401 Tradition & Culture
	FOLK3403 Gender in Traditional & Informal Culture
	FOLK3511 Popular Musics of the World
	FOLK3601 Cultural Tourism: Music, Heritage & The Exotic
	FOLK3603 Culture, Folk & Music Festivals: Identity on Display
	FOLK3608 Music & Protest
	MUSI3613 Music & Nationalism

## **toc: French**

### **French**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in French programs.

## BA Concentration (30 credits in French)

- FRNC1100 and FRNC1102 cannot be used in the French Concentration (only as BA electives)
- 9 credits in language acquisition courses\* including FRNC2106
- 3 credits in literature\* at the 2000 level
- 3 credits in culture\* at the 2000 level
- No fewer than 6 credits in literature and culture\* at the 3000 level
- No fewer than 6 credits in language and linguistics\* at the 3000 level

\*See chart below

## BA Minor in French

A Minor consists of 24 credits in French at the 2000 level or above, with at least 6 credits at the 3000 level.

## BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## BA or BACS AREA MAJOR (with French)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using French as one of the subjects in the Area Major should consult with the Department Chair.

Language Acquisition/ Language/Linguistics	Literature/Culture
FRNC2100 Orientation to College French	FRNC2401 Panorama de la littérature français I
FRNC2101 Communication orale et écrite I	FRNC2403 Panorama de la littérature français II
FRNC2103 Communication orale et écrite II	FRNC2301 Civilisation québécoise et acadienne I**
FRNC2104 Conversation	FRNC2303 Civilisation québécoise et acadienne II**
FRNC2105 Rédaction	FRNC2324 Cinéma français et francophone**
FRNC2106 Grammaire intensive et communication	FRNC2305 Langue et culture acadienne
FRNC3100 Conversation avancée	FRNC3105 Contes et légendes du Canada Français
FRNC3101 Sémantique	FRNC3106 La chanson traditionnelle en Amérique française
FRNC3102 Linguistique française	FRNC3110 Le théâtre d'expression Française au Canada
FRNC3103 Stylistique comparée et Traduction	FRNC3405 L'écriture féminine canadienne francophone
FRNC3301 Pragmatique interculturelle	FRNC3441 Littérature québécoise
	FRNC3443 Littérature acadienne

### NOTE:

All 2000 level courses in the first column satisfy the language acquisition category.

\*\* Courses which count towards the culture requirement are indicated with a double asterisk.

Some courses may satisfy more than one category.

## toc: Gaelic

### Gaelic

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Gaelic Minor.

PLEASE NOTE: Gaelic is only available at CBU as a Minor program. Students can take Celtic Culture as a BA Concentration or as the BACS Academic subject.

### **BA Minor (24 credits in Gaelic language)**

- 3 credits GAEL1101 (Gaelic Language I)
- 3 credits GAEL1103 (Gaelic Language II)
- 3 credits GAEL2101 (Advanced Gaelic Language I)
- 3 credits GAEL2103 (Advanced Gaelic Language II)
- 3 credits GAEL3101 (Advanced Gaelic Language III)
- 3 credits GAEL3103 (Advanced Gaelic Language IV)

Students wanting to Minor in Gaelic must consult the Chair of History & Culture and may have to take an exchange year at Sabhal Mor Ostaig, the Gaelic College in Scotland.

### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## **toc: Gender and Women's Studies**

### **Gender and Women's Studies**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Communication programs. PLEASE NOTE: GWST is only available as a Minor program. Courses counting as GWST courses are listed on p. 76 of the current CBU Academic Calendar.

### **BA Minor (24 credits in Gender and Women's Studies)**

- GWST1101
- Students wishing to Minor in GWST should consult with the Chair of Philosophy & Religious Studies

The following courses satisfy the requirements for the additional 21 credits in the Minor in Gender and Women's Studies:

AN/S2200, AN/S2201, AN/S3210, AN/S3220, AN/S3232

COMM3113, COMM3114, COMM3115

ENGL2640, ENGL3504, ENGL4522

FOLK3403

HUMA1107

HIST4110, HIST4120

PHIL1107, PHIL1109

POLS2121

RELS2191, RELS2193

SOCO2300

Please note that this list is revised from time to time, so consult with the Chair for additional information.

### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## **toc: History**



# History

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in History programs.

## BA Concentration (30 credits in History)

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level

## BA Minor (24 credits in History)

- 6 credits in history at the 1000-level
- 6 credits in North American history (2000- or 3000-level)
- 6 credits in European/World history (2000- or 3000-level)

## BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## BA or BACS Major (48 credits in History)

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level

## BA or BACS Double Major: (36 credits in History)

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level

## BA or BACS Area Major (with History)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using History as one of the subjects in the Area Major should consult with the Department Chair.

## BA or BACS Honours (66 credits in History)

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in a History Honours program must include:

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level
- HIST3100 (Historiography) OR HIST3102 (Historical Archaeology) OR HIST3112 (Public History)
- Students in their graduating year must consult with the Chair about their Honours thesis as early as possible, and no later than the second week of September

In addition, students must complete six credits in one of the following:

- a language other than English OR
- any six-credit course in quantitative research methods OR
- any third- or fourth-year level course in another department in the School of Arts & Social Sciences or Department of Indigenous Studies, approved by the Chair of the Department of History & Culture

The following table defines which courses count as “North American” and which count as “European/World.”

European/World	North American	Either
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HIST2100 The Medieval Experience	HIST2101 Canada: Conquest to Confederation	HIST2114 The History of Money
HIST2101 Celtic History	HIST2103 Canada 1867 to the Present	HIST3100 Historiography
HIST2106 The Reformations	HIST2104 Atlantic Canada before Confederation	HIST3102 Field School in Historical Archaeology
HIST2107 Europe in the Seventeenth Century	HIST2105 Atlantic Canada 1867-1990	HIST3112 Public History and Museology
HIST2108 History of Christianity I	HIST2110 Mi'kmaq History	HIST3130 The Viking World
HIST2109 History of Christianity II	HIST2111 Vernacular Architecture	HIST3132 The Atlantic World During the Age of Sail
HIST2112 Survey of British History	HIST3104 Social History of Modern Canada I	HIST2130 History of Empire
HIST2113 Europe in Renaissance & Reformation	HIST3103 Social History of Modern Canada II	
HIST2120 Reformers, Revolutionaries and Tyrants	HIST3110 Aboriginal & Treaty Rights in the Canadian Constitution	
HIST3101 Modern Ireland, 1603-1848	HIST3113 Cape Breton History, 1820-1910	
HIST3103 Modern Ireland, 1848-2000	HIST3114 Cape Breton History, 1910-2000	
HIST3107 Tudor England	HIST3120 Race Relations in North America	
HIST3108 Stuart England	HIST3140 The Peopling of Canada and North America	
HIST3109 Scotland 1500-1603	HIST3150 Social History of Louisbourg	
HIST3111 Scotland 1603-1707		
HIST3122 Modern Scottish Highlands		
HIST3142 Modern Britain		
HIST3201 Religious Persecution to Religious Liberty I (to 1600)		
HIST3203 Religious Persecution to Religious Liberty II (from 1600)		

## toc: Mathematics

### Mathematics

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Please note, for Mathematics, a maximum of 12 credits are allowed at 1000 level in the subject field. Students completing a Minor, Concentration or Major in Mathematics may not use the following courses for credit in those areas of concentration: MATH0101, MATH1107, MATH1114, MATH1208, and MATH1215. Listed below are special or additional requirements that must also be met by students in Mathematics programs.

#### THREE-YEAR GENERAL DEGREE

Students in the three-year BA can specialize by acquiring 30 credits in Mathematics. Students must take MATH1105, MATH1206, MATH1204, twelve credits in Mathematics at the 3000 level or above and nine additional credits in Mathematics.

#### BA Concentration (30 Credits)

- MATH1204, MATH1206
- A minimum of 12 credits at 3000 or 4000 level.

## BA Minor (24 Credits)

- MATH1204, MATH1206
- A minimum of 6 credits at 3000 or 4000 level

## BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## BA or BACS Major (48 Credits)

- MATH1116, MATH1204, MATH1206, MATH2101, MATH2106, MATH2109
- A minimum of 24 credits at 3000 or 4000 level, of which at least 9 credits are at 4000 level.
- MATH1109 and MATH1216 cannot be used

## BA or BACS Double Major

- MATH1116, MATH1204, MATH1206, MATH2101, MATH2106, MATH2109
- A minimum of 18 credits at 3000 or 4000 level, of which at least 6 credits are at 4000 level.
- MATH1109 and MATH1216 cannot be used

## BA or BACS Area Major:

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Mathematics as one of the subjects in the Area Major should consult with the Department Chair.

Limitations: None of MATH0101, MATH1114, MATH1215 (formerly 151), MATH1107 or MATH1208 may be used to satisfy any of the subject requirements listed above.

# toc: Mi'kmaq Studies

## Mi'kmaq Studies

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Mi'kmaq Studies programs.

## BA Concentration (30 credits Mi'kmaq Studies)

- MIKM1100 (6 credits)
- MIKM1102 (6 credits)
- 6 credits language/culture Mi'kmaq Studies at the 3000 / 4000 level\*
- 6 credits governance/history
- MIKM4100 (6 credits)

\*Students may not take 3000/4000 level courses without completing six credits at the 1000/2000 level.

## BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## BA Minor (24 credits Mi'kmaq Studies)

- MIKM1100
- 6 credits from MIKM2120, MIKM2220, MIKM3120\* or MIKM2222
- 6 credits from MIKM1102, MIKM2140 or MIKM2114, MIKM3140\*, MIKM3245\*, MIKM3141\* or MIKM3143\*

- 6 additional credits

\* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level

### **BA or BACS Major Language and Culture (48 credits Mi'kmaq Studies)**

- MIKM1100
- MIKM1102
- MIKM2113/MIKM2213 and MIKM2114/MIKM2215
- MIKM3140\* and MIKM3141/MIKM3143\*
- MIKM4800\* or MIKM4900\*
- 6 additional credits from 3000/4000 level

\*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **BA or BACS Major Governance (48 credits Mi'kmaq Studies)**

- MIKM3120
- MIKM2220
- MIKM1102
- MIKM1100
- 24 additional credits at the 3000/4000\* level of which 18 must be government/history and 6 must be language and culture

\* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **BA or BACS Double Major: First Major Mi'kmaw Governance (36 credits Mi'kmaq Studies)**

- MIKM4100\*
- MIKM3120\*
- MIKM2220
- MIKM1102
- MIKM1100
- 6 credits from MIKM2113/MIKM2213 or MIKM2114/MIKM2215
- 6 additional credits from any 2000/3000/4000 level course

\* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **BA or BACS Double Major: First Major Mi'kmaw Language & Culture (36 credits Mi'kmaq Studies)**

- MIKM1100
- MIKM1102
- 6 credits at the 3000\* level (MIKM3630 plus 3 credits is recommended)
- MIKM3140\*
- MIKM4140\*
- MIKM4100\*

\* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **BA or BACS Area Major (with Mi'kmaq Studies)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Mi'kmaq Studies as one of the subjects in the Area Major should consult with the Department Chair. In the area of Mi'kmaw Governance, MIKM1100, MIKM2220, MIKM3120 and MIKM4500 are compulsory courses. In the area of Mi'kmaw Language and Culture, MIKM1100, MIKM1102, MIKM3140, MIKM4140 and MIKM4100 are compulsory subjects.

### **MI'KMAQ STUDIES COURSES as teachables for the B.Ed.**

Mi'kmaq Studies courses are recognized as a teachable for application to Nova Scotia B.Ed. Programs.

# toc: Music

## Music

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Music and Ethnomusicology programs.

PLEASE NOTE: Students wishing to Major must do so in the BACS Music Major. Music is unique at CBU in that **it is the only Major program offered only through the BACS degree.**

### BA Concentration in Ethnomusicology (30 credits in Ethnomusicology)

- MUSI1101
- MUSI2101
- MUSI3101

### BA Minor in Ethnomusicology (24 credits in Ethnomusicology)

- MUSI1101
- MUSI2101
- MUSI3101

### 4-Year BACS Music Major (120 credits)

- 30 credits of the core Community Studies courses
- 48 credits in music (15 compulsory credits, minimum of 12 credits at the 3000 level or higher)
- 24 credits Minor subject (Students may minor in Business. Regarding the choice of a Minor subject, consultation with a Music faculty advisor is required.)
- 18 credits Electives

BACS Core Community Studies courses (30 credits):

- COMS1100: Introduction to Community Studies (6 credits)
- COMS2100: Applied Research ( 6 credits)
- COMS3100: Community Intervention (6 credits)
- COMS2101 and COMS3101 Community Volunteer Work Placements (3 credits each) (music related placements)
- COMS4100: Self-Directed Senior Project (music related) (6 credits)

Music Courses (48 credits):

- 9 credits of Music Theory, including MUSI1101 (Theory courses listed below\*\*)
- 6 credits Ethnomusicology/Music & Culture courses: MUSI2101 Music & Culture (3credits); MUSI3101 Musics of the World (3credits)
- 33 credits Music electives (minimum 12 credits at the 3000 or 4000 level)

#### \*\* Music Theory Courses:

MUSI1101: Experiencing Music

MUSI2601: Music Theory for Popular Song

MUSI2603: Music Theory for Vernacular Music

MUSI3605: Advanced Theory & Analysis

# toc: Philosophy

## Philosophy

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Philosophy programs.

### **BA Concentration (30 credits in Philosophy)**

- PHIL1103 OR PHIL4120

### **BA Minor (24 Credits in Philosophy)**

- PHIL1103 OR PHIL4120.

### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

### **BA or BACS Major: 48 credits in Philosophy**

- PHIL4120
- PHIL4110

### **BA or BACS Double Major (36 credits in Philosophy)**

- PHIL1103 OR PHIL4120

### **BA or BACS Area Major (with Philosophy)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Philosophy as one of the subjects in the Area Major should consult with the Department Chair.

## **toc: Political Science**

### **Political Science**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Political Science programs.

### **BA Concentration (30 credits in Political Science)**

- 6 credits in Political Science at the 1000-level

### **BA Minor (24 credits in Political Science)**

- 6 credits in Political Science at the 1000-level

### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

### **BA or BACS Major (48 credits in Political Science)**

- 6 credits in Political Science at the 1000-level
- At least one 3 credit course in each of the areas listed below:
  1. Research Methods
  2. Canadian Public Administration
  3. Public Administration and Public Policy or Law and Policy
  4. International Relations and Comparative Politics

## 5. Political Theory

### **BA or BACS Double Major (36 credits in Political Science)**

- 6 credits in Political Science at the 1000-level
- At least one 3 credit course in each of the areas listed below:
  1. Research Methods
  2. Canadian Public Administration
  3. Public Administration and Public Policy or Law and Policy
  4. International Relations and Comparative Politics
  5. Political Theory

### **BA or BACS Area Major (with Political Science)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Political Science as one of the subjects in the Area Major should consult with the Department Chair.

### **BA or BACS Honours (66 credits in Political Science)**

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree.

The 66 required credits in Political Science must include:

- 6 credits in Political Science at the 1000-level
- At least one 3 credit course in each of the areas listed below:
  1. Research Methods
  2. Canadian Public Administration
  3. Public Administration and Public Policy or Law and Policy
  4. International Relations and Comparative Politics
  5. Political Theory

**For more detailed information on course offering by Area of Study please visit <http://www.cbu.ca/academics/political-science/courses-discipline>**

**The department also offers a Diploma in Public Administration and Management, and several certificate options. Please see section in Calendar on Diploma and Certificates.**

## **toc: Psychology**

### **Psychology**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Psychology programs.

#### **BA Concentration (30 credits in Psychology)**

- PSYC1101 and PSYC1103, plus 24 additional credits in Psychology

#### **BA Minor (24 Credits in Psychology)**

- PSYC1101 and PSYC1103, plus 18 additional credits in Psychology

#### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

#### **BA or BACS Major: (48 credits in Psychology)**

- PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent
- PSYC2101
- PSYC2111
- PSYC3203
- PSYC3211
- PSYC4101 plus 6 additional credits at the 4000 level. In the event that the students do not have the directed study course, any 6 credits at the 4000 level are an acceptable substitute
- 21 additional credits at the 2000, 3000 or 4000 level

### **BA or BACS Double Major (36 credits in Psychology)**

PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent

- PSYC2101
- PSYC2111
- PSYC3203
- PSYC3211
- PSYC4101 plus 6 additional credits at the 4000 level. In the event that the students do not have the directed study course, any 6 credits at the 4000 level are acceptable substitute
- 9 additional credits at the 2000, 3000 or 4000 level

### **BA or BACS Area Major (with Psychology)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Psychology as one of the subjects in the Area Major should consult with the Department Chair.

### **BA or BACS Honours (66 credits in Psychology)**

- PSYC4900
- PSYC4101
- PSYC3211
- PSYC3203
- PSYC3101
- PSYC2111
- PSYC2101
- PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent
- At least 6 credits of the remaining additional credits must be at the 4000 level. An average of 75% is required in courses in Psychology Honours in the last three years of the program

## **toc: Religious Studies**

### **Religious Studies**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must also be met by students in Religious Studies programs.

#### **BA Concentration (30 credits in Religious Studies)**

- RELS1115 (Introduction to World Religions: Eastern Traditions)
- RELS1117 (Introduction to World Religions: Western Traditions)

#### **BA Minor (24 credits in Religious Studies)**

- RELS1115 (Introduction to World Religions: Eastern Traditions)
- RELS1117 (Introduction to World Religions: Western Traditions)

#### **BACS Academic Field (24 Credits)**



- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

## **BA or BACS Area Major**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Religious Studies as one of the subjects in the Area Major should consult with the Department Chair.

## **toc: Sociology**

### **Sociology**

Students must consult the BA and BACS degree regulations that form *minimum requirements* for the relevant programs in all subjects. Listed below are *special or additional requirements* that must be met by students in Sociology programs. (NOTE: SOCO and/or AN/S courses may be used to satisfy minimum BA or BACS degree requirements in Sociology programs.)

#### **BA Concentration (30 Credits in Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods is not required but strongly recommended

#### **BA Minor (24 Credits in Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent

#### **BACS Academic Field (24 Credits)**

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

#### **BA or BACS Major in (48 Credits in Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent
- 6 credits Sociological Theory (SOCO3300)
- 6 credits of Research Methods (AN/S2210 or AN/S2212)

#### **BA or BACS Double Major (36 credits in Sociology)**

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent
- 6 credits SOCO3300 (Survey of Sociological Theory)
- 6 credits Research Methods (AN/S2210 or AN/S2212)

#### **BA or BA Areas Major (with Sociology)**

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Sociology as one of the subjects in the Area Major should consult with the Department Chair.

#### **BA or BACS Honours (66 Credits in Sociology)**

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in an Sociology Honours must include:

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits Research Methods (AN/S2210 or AN/S2212)
- 6 credits SOCO3300 (Survey of Sociological Theory)

## **toc: Diploma in Public Administration and Management**

# Diploma in Public Administration and Management

The Diploma in Public Administration and Management has been designed to meet the changing needs of the public sector by providing students as well as managerial practitioners with the skills required for the new public administration. The program is composed of 42 credits, of which 24 are deemed compulsory. These courses, derived from the fields of Political Science and Business Administration, provide students with knowledge in public sector management from both areas of study. Students may choose electives from a range of Political Science, Business Administration and Economics courses, with a requirement that a significant portion of their electives be chosen from the latter two disciplines. This ensures that students graduating with the diploma have a solid foundation, not only in the Political Science perspectives with regard to public sector management, but also those understandings deriving from Business Administration and Economics.

The diploma program includes a work-study internship option, POLS3801, whereby internships are provided to diploma students through our internship co-ordinator. This approach will allow diploma students to work in the public or para-public sector and to receive academic credit for their work.

Course topics include, an introduction to Canadian public administration, an introduction to Canadian business and management, Canadian government and administrative law, micro and macro economics, public sector financial and personnel management, restructuring in the public sector, introduction to marketing and marketing for non-profit organizations, issues in Canadian public administration, research methods, money and banking policy, leaders and leadership, Canadian provincial government, policy studies and an internship option.

Students can apply for credit or advanced standing based on past educational and career accomplishments. They may also substitute up to six credits from relevant courses in other disciplines.

## Program Requirements

The diploma requires 42 credits, five additional 3 credit courses over and above the Certificate in Public Administration.

### COMPULSORY COURSES (Total 24 Credits)

POLS2110	Introduction to Canadian Public Administration (6 credits)
MGMT1601	Introduction to Canadian Business (3 credits)
POLS2161	Research Methods (3 credits)
ECON1103	Principles of Macroeconomics (3 credits)
POLS3111	Canadian Public Administration: Financial Management, Personnel Administration (3 credits)
OR	
ECON4101	Public Finance (3 credits)
POLS3143	Canadian Government and Administrative Law (3 credits)
POLS3801	Directed Independent Study, Junior Level (3 credits)
OR	
MGMT3701	Special Topics (3 credits)

### ELECTIVE COURSES (Total 18 Credits)

Elective courses are derived from CBU's offerings in the disciplines of Political Science, Business Administration and Economics. Eighteen elective credits are required, of which six credits must come from a combination of Business Administration or Economics courses. The remaining 12 credits are to be derived from Political Science courses.

### Political Science Electives

POLS3103	Local Government in Canada (3 credits)
POLS3104	Issues in Canadian Local Government (3 credits)
POLS3121	Leaders and Leadership (3 credits)
POLS3114	Issues in Public Administration (3 credits)
POLS3115	Introduction to Policy Studies (3 credits)

#### **Business Administration Electives**

MRKT1301	Introduction to Marketing (3 credits)
MGMT2604	Organizational Behaviour (3 credits)
MRKT3301	Marketing Management (3 credits)
MGMT2605	Human Resource Management (3 credits)
MRKT4305	Marketing for Non-Profit Organizations (3 credits)
MGMT4604	Organizational Development (3 credits)

#### **Economics Electives**

ECON2106	Canadian Economics Issues and Problems (3 credits)
ECON3101	Money & Banking I (3 credits)
ECON4101	Public Finance I (3 credits)

For information contact Andrew Molloy at (902) 563-1858 or [andrew\\_molloy@cbu.ca](mailto:andrew_molloy@cbu.ca)

## **toc: Certificate Programs**

### **Certificate Programs**

## **toc: Certificate in Ethnomusicology**

### **Certificate in Ethnomusicology**

Students wishing to earn the Certificate in Ethnomusicology must take a minimum of twenty-four (24) credits (which may be used towards a degree), as follows:

MUSI1101	Experiencing Music (3 credits)
MUSI2101	Music and Culture (3 credits)
MUSI3101	Musics of the World (3 credits)
MUSI3801	Independent Study in Ethnomusicology (pending approval)
Electives	MUSI (12 credits minimum)

Students taking the Certificate in Ethnomusicology must consult annually with a faculty member in the department before choosing courses for the coming year.

## **toc: Certificate in Theatre Arts**

### **Certificate in Theatre Arts**

The Certificate in Theatre Arts came about as a logical step in CBU's long tradition of theatre production. All of the courses associated with the certificate are accredited and can be applied toward a Bachelor of Arts or another relevant degree at CBU. The program has been designed to serve undergraduate students at CBU, as well as members of the general public - teachers, adult educators, community theatre workers, arts administrators, cultural tourism officers - who want to develop their knowledge of theatre by studying in a university setting.

### Complete 12 Credits

- ENGL 6 credits from ENGL1104, ENGL1106, ENGL1107, ENGL1108 or ENGL1109
- DRAM1101 Introduction to Play Production
- DRAM3901 Directed Study chosen in consultation with department chair (3 credits)

### Complete 6 Credits (Choose one, all courses 6 credits)

- ENGL2240 Shakespeare (6 cr)
- ENGL2642 A Survey of the Drama (6 cr)
- ENGL3122 Medieval Drama (3 cr)
- ENGL3241/ENGL3243 Renaissance Drama I & II (3 cr each)
- ENGL3301 Romantic Drama (3 cr)
- ENGL3303 Victorian Drama (3 cr)
- ENGL3320 Restoration and Eighteenth Century Drama (6 cr)
- ENGL3322 Nineteenth Century Drama (6 cr)
- ENGL3406 Canadian Drama (3)
- ENGL3407 Dramatizing Ireland: Plays from 1950 - Present (3 cr)
- ENGL3441 Modern American Drama (3 cr)
- ENGL4240 Studies in Shakespeare (6cr)
- ENGL4620 Modern Drama (6cr)
- ENGL4622 Contemporary Drama (6cr)

**ENGL3701 can be used to satisfy 3 credits when the special topic is Dramatic Literature.**

### Complete 12 Credits (Choose four, all courses 3 credits)

- DRAM1101 Stagecraft (3 cr)
- DRAM2101 An Introduction to Acting (3)
- DRAM2201 Introduction to Theatre Directing (3)
- DRAM2203 Theatre for Children (3)
- DRAM2621 / ENGL2624 Playwriting I (3cr)
- DRAM2623 / ENGL2625 Playwriting II (3 cr)
- DRAM3101 Movement for the Theatre (3)
- DRAM3103 Voice for the Theatre (3)
- DRAM3104 Stagecraft (3)
- DRAM3105 Stage Management for the Theatre (3)
- DRAM3106 Acting II

## toc: Certificate in Heritage Studies

### Certificate in Heritage Studies

The program is designed in response to increased opportunities for employment in the field of arts administration, heritage promotion, cultural programming and multiculturalism. The program will be of particular interest to people within the public and private sector involved in the hospitality industry, tourism education, small business and museums.

Students taking the Certificate in Heritage Studies must consult annually with a faculty member in the department of Heritage and Culture before choosing courses for the coming year.

To complete the certificate, 15 credits are required, as follows:

**Group A – Atlantic Canada Regional Studies:** FOLK2101, FOLK2104, FOLK2105 (MUSI2251), FOLK2107 (MUSI2221), FOLK2108 (MUSI2223), FOLK2111 (MUSI2201), FOLK2113 (MUSI2203), FOLK2261 (MUSI2214), FOLK2403 (MUSI2301)

**Group B – Folklore Themes and Genres:** FOLK2103, FOLK2401, FOLK2404, FOLK2405, FOLK2406, FOLK2407, FOLK2501, FOLK2503, FOLK3201, FOLK3203, FOLK3400, FOLK3403, FOLK3511 (MUSI3511) MUSI3301, MUSI3601

- 1. FOLK1101 and FOLK1103
- 2. Three credits from Group A FOLK courses (Atlantic Canada Regional Studies): FOLK2403, FOLK2111, FOLK2113, FOLK2105, FOLK2106, FOLK2107, FOLK2108, FOLK2261
- 3. Three credits from Group B FOLK courses (Folklore Themes and Genres): FOLK2401, FOLK2103, FOLK2404, FOLK2501, FOLK2503, FOLK2405, FOLK2406, FOLK3403, FOLK3511, FOLK3201, FOLK3203, FOLK3400
- 4. FOLK4801

## toc: Certificate in Public Administration

### Certificate in Public Administration

This program is designed for people who are interested in working for the public and para-public sectors, community organizations, social agencies, and advocacy groups. It may also be of interest to private-sector employees who are in contact with government, and those interested in gaining knowledge about public administration and public policy. We are currently living through the greatest period of change in the history of Canada. As our legal, political, and economic systems are transformed, so are our laws and public policies.

	<b>Elective Courses (9 credits)</b>
	POLS2141 - 3 credits
<b>General Certificate Compulsory Courses</b>	POLS2143 - 3 credits
POLS1100 - 6 credits	POLS3103 - 3 credits
POLS2102 - 6 credits	POLS3104 - 3 credits
POLS2110 - 6 credits	POLS3111 - 3 credits
POLS2161 - 3 credits	POLS3143 - 3 credits
POLS3801 - 3 credits	POLS3114 - 3 credits
	POLS3115 - 3 credits
	POLS4100 - 6 credits

The Certificate in Public Administration also offers concentrations in Municipal Government, International Studies, Law and Policy Studies, First Nations Affairs as well as the general certificate. Each concentration option consists of 33 credits made up of combinations of Political Science and possibly Economics, Business Administration, Psychology, Sociology and Mi'kmaq Studies courses appropriate to the concentration option.

## toc: Certificate in Public Administration - Concentration in Municipal Government

# **Certificate in Public Administration – Concentration in Municipal Government**

## **Compulsory Courses**

POLS2102 - 6 credits

POLS2110 - 6 credits

POLS2161 - 3 credits

POLS3103 - 3 credits

POLS3104 - 3 credits

POLS3801 - 3 credits

## **Elective Courses (9 credits)**

POLS3121 - 3 credits

POLS3111 - 3 credits

POLS3114 - 3 credits

POLS4110 - 6 credits

# **toc: Certificate in Public Administration - Concentration in International Studies**

## **Certificate in Public Administration – Concentration in International Studies**

## **Compulsory Courses**

POLS1100 - 6 credits

POLS2110 - 6 credits

POLS2161 - 3 credits

POLS3130 - 6 credits

POLS3801 - 3 credits

## **Elective Courses (9 credits)**

POLS2131 - 3 credits

POLS2133 - 3 credits

POLS2134 - 3 credits

POLS2135 - 3 credits

POLS2136 - 3 credits

POLS3131 - 3 credits

POLS3133 - 3 credits

POLS3134 - 3 credits

POLS3135 - 3 credits

POLS3136 - 3 credits

POLS3123 - 3 credits

POLS3137 - 3 credits

POLS4130 - 6 credits

# **toc: Certificate in Public Administration - Concentration in Law and Policy Studies**

# **Certificate in Public Administration – Concentration in Law and Policy Studies**

## **Compulsory Courses**

POLS1100 - 6 credits

POLS2110 - 6 credits

POLS2161 - 3 credits

POLS2104 - 3 credits

POLS3115 - 3 credits

POLS3801 - 3 credits

## **Elective Courses (9 credits)**

POLS2140- 6 credits

POLS2115 - 3 credits

POLS2141 - 3 credits

POLS2143 - 3 credits

POLS2144 - 3 credits

POLS3101 - 3 credits

POLS3106 - 3 credits

POLS3141 - 3 credits

POLS3143 - 3 credits

POLS3113 - 3 credits

POLS3114 - 3 credits

POLS3115 - 3 credits

POLS4110 - 6 credits

# **toc: Certificate in Public Administration - Concentration in Aboriginal Affairs**

## **Certificate in Public Administration – Concentration in Aboriginal Affairs**

## **Compulsory Courses**

POLS1100 or POLS2102 - 6 credits

POLS2110 - 6 credits

POLS2112 - 6 credits

POLS2161 - 3 credits

POLS3801 - 3 credits

## **Elective Courses (9 credits)**

POLS2104 - 3 credits

POLS3101 - 3 credits

POLS3106 - 3 credits

POLS3110 - 3 credits

POLS4110 - 6 credits

MIKM3110 - 6 credits

Course Substitution: with respect to all concentrations, students may substitute up to six elective credits from relevant and pertinent courses from other disciplines. See the co-ordinator of the certificate program for official approval of course substitutions

# toc: Certificate in Social Research

## Certificate in Social Research

This program teaches research methods for studying human social behaviour, social organization and culture. Students will get training and practice in a broad range of social research skills, which are much in demand in today's work world. Two groups will find it especially useful. First, students can earn the certificate while studying for a CBU degree. (The program fits easily into a BA, BACS or BBA program with no need to take extra courses.) Second, people already in a career can upgrade their research skills or prepare themselves for a career transition by doing this certificate as a stand-alone program. Detailed information is available from the Department of Anthropology & Sociology, through the department chair.

The certificate is composed of 30 credits:

- 6 credits - AN/S1200 Intro to Anthropology & Sociology
- 6 credits - AN/S2210 Qualitative Research
- 6 credits - AN/S2212 Quantitative Research
- 6 credits - Elective(s) in AN/S, ANTH, &/or SOCO above 1000-level
- 6 credits Research course(s) from among: Methods of Applied Social Research (AN/S3230), or Directed Study (AN/S3800, AN/S3801/AN/S3803, AN/S4811/AN/S4813, AN/S4801), or Senior Thesis in AN/S4900 or ANTH4900 or SOCO4900.

**Note:** For this certificate, the Directed Study or Thesis must centre on original empirical research conducted by the student.

This certificate signals a recipient's special competence in social-science research. Thus, the following special grade standards will apply:

- Average grade of 65% or more across the whole set of 30 credits that the student offers in fulfilment of the certification requirements
- A minimum grade of 65% in each of AN/S2210, AN/S2212 and the advanced research-oriented course(s) listed in item five, above
- A minimum grade of 70% in at least one of the two core methods courses (AN/S2210 or AN/S2212), or in the advanced research-oriented course(s) (item five, above).

## toc: Certificate in Quantitative and Qualitative Psychology Research Methods

### Certificate in Quantitive and Qualitative Psychology Reseach Methods

This certificate program provides a comprehensive opportunity to document learning about quantitative and qualitative reserach methods in psychology. These research methods can be applied in various fields such as business, nursing, education, and ohter disciplines. This certificate is only open to students currently in a degree program, ans is awarded only in conjunction with a degree. Detailed information is availalbe from the Department of Psychology, through the Department Chair.

Criteria to earn the Certificate:

1. Not a standalone certificate - may be eranrd as part of a 4-year BSc, BA or BACS Psychology.
2. Included in the degree program would be 18 credits core to the Certificate.
  - PSYC1101 Introduction to Psychology as a Natura Science (3)
  - PSYC1103 Introduction to Psychology as Social Science (3)
  - PSYC2101 Data Analysis (3)
  - PSYC2111 Research Methods in Psychology (3)



- PSYC3101 Research Practicum in Psychology (3)
- PSYC3103 Qualitative Methods in Psychology
- Average grade of 75% or higher across PSYC2101, PSYC2111, PSYC3101 and PSYC3103

3. Original Research Requirement:

- a. Option 1 - PSYC4900 - Honours Seminar and Thesis (6cr)

OR

b. Option2 - (with prior approval from the Psychology Department) PSYC4800 or PSYC4801, Directed Study, 3 or 6 credits.

OR

c. 120 hours minimum paid or volunteer reserach assistant in original research ( must have prior approval of Psychology Department).

## **toc: Shannon School of Business**

### **Shannon School of Business**

#### **Disclaimer**

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

#### **George Karaphillis - Acting Dean**

Cape Breton University's Shannon School of Business offers flexible, innovative, business programming. The programs offered through the Shannon School of Business are:

- Master of Business Administration in Community Economic Development
- Bachelor of Business Administration
- Bachelor of Business Administration, Major in Accounting
- Bachelor of Business Administration, Major in Marketing
- Bachelor of Hospitality and Tourism Management, Three year Internship
- Bachelor of Technology Information (Through partnership with CIC)
- Certificate in Management & Administration/Certified in Management (through Canadian Institute of Management)
- Certificate in Professional Development

In addition to degree programs, the Shannon School of Business offers courses which are recognized by a wide variety of professional societies and institutes.

The Shannon School of Business consists of two departments:

#### **FINANCIAL AND INFORMATION MANAGEMENT**

Derrick Hayes, Chair (Finance, Accounting, Information Technology, Management Science, Economics)

#### **ORGANIZATIONAL MANAGEMENT**

## **toc: Master of Business Administration in Community Economic Development**

### **Master of Business Administration in Community Economic Development (CED)**

Cape Breton University's Master of Business Administration (MBA) in Community Economic Development (CED) is an advanced program with community at its core; it resonates with people who wish to make a difference in their organizations and their communities. The MBA in CED curriculum, in addition to business subjects found in traditional MBA programs, focuses on economic development, leadership, strategy, governance, managing change and international management.

This program is designed for learners who aspire to play leadership roles in the public sector, in third sector organizations and in community-minded businesses. The MBA in CED aims to develop a new generation of leaders who have strong business management capabilities, well developed collaborative and interpersonal skills and deep knowledge of accountability, social responsibility and development issues and practices. Graduates are equipped with the knowledge and skills to make a difference in leading organizations in an increasingly global community and economy.

CBU's size and governance structure allows for the adaption of curriculum in a timely fashion to meet the evolving requirements of learners and organizations. The special appeal of the MBA in CED is evidenced by the demand for this program in different parts of Canada.

## **toc: Admission Requirements**

### **Admission Requirements**

To meet standard admission requirements for the MBA in CED, a Bachelor's Degree with a B average from a recognized university is required. The application will be processed when all of the following documents and fees have been received:

- a completed application form, with non-refundable application fee
- official transcripts for all previous post-secondary study
- a resume detailing employment experience, skills, community involvement and interests
- a 500-800 word statement on desire to enter the program
- three reference letters, preferably including one professional and one academic reference, each accompanied by a completed reference form
- satisfactory scores on the GMAT or GRE
- satisfactory scores on the TOEFL/IELTS (for students whose native language is not English)
- satisfactory performance in an interview

Candidates who do not have an undergraduate degree, and show potential for success in graduate level study, may be admitted to the MBA in CED as non-traditional students. Extensive career and/or volunteer experience are expected. The candidates will be assessed individually in such areas as experience and performance in a number of education/training courses. Applicants must provide all documentation listed above and a 4-6 page essay outlining desire to enter the program.

Reference letters must be originals, sent directly by the referees. Only official transcripts sent by the Registrar of the issuing institution will be accepted. The Educational Testing Service must forward GMAT, GRE and TOEFL/IELTS score reports. Photocopies of any of these documents will not be accepted.

### **SEMESTER FORMAT DELIVERY**

The semester format delivery follows the September – April academic year on campus in Sydney.

Deadline for application is September 30, for a January start.

Deadline for application is May 31, for a September start.

### **MODULAR FORMAT DELIVERY**

The modular format appeals to working adults. It includes short, on-site residencies followed by deliverables paced over a 12 week period. This residential program enables learners to take four to five classes each July in Sydney and thus complete all program coursework over three July residencies (26 months).

**Deadline for application is March 31, for a July start.**

**Note:** Students can combine the semester format and modular format delivery to complete the program in 12 months.

### **WEEKEND FORMAT DELIVERY (OFF CAMPUS)**

Learners can opt to complete the program in 22 months by attending classes on alternate weekends in certain cities across Canada, including Edmonton and Saskatoon.

Please contact mba@cbu.ca regarding application deadlines and venues.

### **SCHEDULES, TUITION AND FEES**

Program schedules, tuition and fees for off-campus delivery will differ from the program offered on-site at Cape Breton University's Sydney campus. For more information about the Master of Business Administration in Community Economic Development program at different locations, please contact the Director at mba@cbu.ca, or (902) 563-1467.

### **ADVANCED STANDING**

Requests from applicants to receive transfer credits for courses will be reviewed individually. Transcripts of courses, along with a detailed description of course content will be required.

Students can make a request to challenge course(s) and each request will be reviewed on its own merits.

Applicants can apply for advanced standing on the basis of career experience and training and each request is subject to a Prior Learning Assessment (PLA) review.

## **toc: Options in the Program**

### **Options in the Program**

Students pursuing an MBA in CED can specialize by taking their two elective courses within a designated option. The Applied Research Project would build on courses within the option.

#### **FIRST NATIONS OPTION**

The First Nations option is a natural outgrowth of Cape Breton University's already extensive Mi'kmaq Studies program.

MBAC6209      Land Claims, Self-government and Community Economic Development

MBAC6211      The Dynamics of CED in Urban and Rural First Nations

#### **INTERNATIONAL BUSINESS OPTION**

MBAC6226      International Finance

MBAC6228      International Marketing

#### **PEACE-BUILDING, RECONSTRUCTION AND GOOD GOVERNANCE OPTION**

This option was designed for military personnel and civilians in collaboration with the Canadian Defence Academy, Department of National Defence.

MBAC6215 Emergency Management

MBAC6217 Conflict Resolution and Community Reconstruction

### **STRATEGIC LEADERSHIP OPTION**

The Strategic Leadership option was initially offered in Alberta and consists of two courses:

MBAC6219 The Social Dynamics of Leadership

MBAC6233 Change Management and Governance

### **PUBLIC ADMINISTRATION OPTION**

MBAC6221 Public Policy

MBAC6223 Government, Business and Third Sector Relations

### **SUSTAINABILITY OPTION**

MBAC6227 Environment, Energy, & the Economy: Strategies for Sustainable Futures

MBAC6229 Sustainability Marketing

### **MARKETING OPTION ( 2 COURSES)**

MBAC6231 Marketing Strategy

MBAC6229 Sustainability Marketing

MBAC6228 International Marketing

MBAC6205 Cultural Tourism Marketing

### **TOURISM OPTION**

MBAC6206 Tourism Management & Planning

MBAC6205 Cultural Tourism Marketing

## **toc: MBA Preparation**

### **MBA PREPARATION**

#### **PRE-CORE PROGRAM**

Cape Breton University's pre-core program is a series of no-fee sessions in Accounting, Finance, Statistics, Excel Modeling, Concept Mapping and Case Analysis techniques. MBA students who have not recently completed a business degree in Canada must attend all Pre-Core sessions

The Pre-core program takes place the week before classes start in September and January and in the weekend preceding July's classes. All admitted MBA in CED students will receive detailed information on Pre-Core sessions.

For more information please contact [mba@cbu.ca](mailto:mba@cbu.ca).

## **toc: Partnerships**

### **PARTNERSHIPS**

In Alberta, Cape Breton University has an Agreement with Northern Alberta Institute of Technology (NAIT), to offer the MBA in CED on NAIT'S main campus.

In Alberta, this program is offered pursuant to the written approval of the Minister of Advanced Education and Technology effective September 1, 2011, having undergone a quality assessment process and been found to meet the criteria established by the Minister. Nevertheless, prospective students are responsible for satisfying themselves that the program and the degree will be appropriate to their needs (for example, acceptable to potential employers, professional licensing bodies or other educational institutions).

In Saskatchewan, Cape Breton University has an agreement with Great Plains College to offer the MBA in CED on their Saskatoon-Warman campus.

Cape Breton University has partnerships with certain colleges that offer pertinent Pre-Master’s programs and prepare international students to apply for admission to the MBA in CED, such as ICEAP (International Centre for English Academic Preparation) and Dorset College.

## toc: Program Requirements

### COURSES REQUIRED TO COMPLETE THE DEGREE

Students must complete the required courses and earn 48 credits. The pass mark for MBA courses is 70%. Students will be required to maintain a 70% average to remain in the program.

The MBA in CED program consists of 16 courses, including the Applied Research Project.

#### Term One

MBAC5101	Business and Community Development I
MBAC5103	Fundamentals of Accounting
MBAC5104	Fundamentals of Marketing
MBAC5105	Organizational Behaviour
MBAC5107	Economic Geography

#### Term Two

MBAC6101	Business and Community Development II
MBAC6103	Fundamentals of Finance
MBAC6107	Comparative Development
MBAC6124	International Business
MBAC	Elective

#### Term Three

MBAC6121	Applied Research Methods
MBAC6106	Leadership
MBAC6118	Venture Analysis
MBAC6125	Strategic Management
MBAC	Elective

MBAC6801: Applied Research Project: The Applied Research Project (ARP) will meet highest academic standards and will approach a problem in business and/or community economic development in a holistic, multidisciplinary manner. A two-person supervisory committee, drawn from different disciplines, will oversee the preparation of the project. There is no residency requirement for the research project, which may be completed off site. The ARP must be completed within twelve months.

# toc: Bachelor of Business Administration (BBA)

## Bachelor of Business Administration (BBA)

The Bachelor of Business Administration degree is a four-year program (when completed on a full-time basis), in which students may pursue a concentration within different disciplines. The BBA degree program consists of a combination of core courses (60 credits) and elective courses (60 credits).

The BBA program allows students to develop an innovative program, which includes the core curriculum and elective courses and, if they choose, a business concentration. The degree may be completed through full-time or part-time study. A co-operative education internship program is also available which is an opportunity to earn income and gain relevant work experience while completing the BBA degree requirements.

The Bachelor of Business Administration program is intended to prepare successful candidates for self-employment and careers in private and public enterprise, cooperatives, government service and for graduate study. One of the primary objectives of the BBA program is to provide a foundation in both business and the traditional liberal arts area.

## toc: Admission Requirements

### Admission Requirements

**Required:** Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 65%. Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

## toc: Program Requirements

### BBA Program

Students are required to complete 120 credits. This would include 60 required credits and 60 elective credits with a minimum 15 credits in non-business courses as follows:

#### Year One

MGMT1601	Introduction to Business
MRKT1301	Intro to Marketing
ACCT1203/ACCT1204	Intro to Accounting I and II
MGSC1108/MGSC1109	Intro to Statistic/ Calculus for Business
ECON1101/ECON1103	Principles of Micro/Macro Economics
Communication	(3 credits)
Elective	(3 credits)

#### Year Two

MGSC2101	Computers in Business
MGMT2604/MGMT2605	Organizational Behaviour/ Human Resource Management
FINC2401/FINC2403	Business Finance I and II
Electives	(9 credits from ACCT/FINC/MGMT/MGSC/MRKT and 6 credits electives)

### **Year Three**

MGMT3603	Integrative Entrepreneurship
MGSC3101	Information Management Systems
Electives	(24 credits)

### **Year Four**

MGMT4605	Business Competitive Strategies
Electives	(27 credits)

See the course description section of this Calendar for more information. A degree worksheet is available from the Dean's office.

## **toc: BBA Major in Accounting**

### **Bachelor of Business Administration Major in Accounting**

The BBA Major in Accounting program requires the completion of the BBA core curriculum. Students are required to complete ACCT3206 and ACCT3207 and ACCT3208 plus 18 credits of accounting electives. In addition, at least six credits must be at the 4000 level.

## **toc: Admission Requirements**

### **Admission Requirements:**

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Accounting. Students must be in good academic standing with a minimum 60% average.

## **toc: Program Requirements**

### **Program and Course Requirements:**

1. ACCT3206 and ACCT3207 and ACCT3208
2. 18 credits from ACCT2203, LEGL2501, ACCT4201, ACCT4205, ACCT4206, ACCT4207, ACCT4208, ACCT4209, ACCT4211.
3. An average of 65% must be maintained in years three and four of the program.
4. Minimum of 60% must be maintained on all accounting courses required for the accounting major.
5. Minimum of 6 credits at the 4000 level.

## **toc: BBA Major in Marketing**

### **Bachelor of Business Administration Major in Marketing**

The BBA Major in Marketing program requires the completion of the BBA core curriculum. Students are required to complete MRKT2301, MRKT4301, MRKT4303 and MRKT4308 plus 12 credits of marketing electives. In total, at least 12 credits must be at the 4000 level.

## **toc: Admission Requirements**

### **Admission Requirements:**

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Marketing. Students must be in good academic standing with a minimum 60% average.

## **toc: Program Requirements**

### **Program and Course Requirements:**

1. MRKT2301, MRKT4301, MRKT4303 and MRKT4308
2. 12 credits from MRKT2303, MRKT3301, MRKT3304, MRKT3307, MRKT3124, MRKT3309, MRKT4605, MRKT4311, MRKT4309, MRKT4304, MRKT4305, MRKT4306, MRKT4314, MRKT4307, MRKT4313, HATM3508
3. An average of 65% must be maintained in years three and four of the program.
4. Minimum of 60% must be maintained on all marketing courses required for the marketing major.
5. Minimum of 12 credits at the 4000 level.

## **toc: Bachelor of Business Administration Concentrations**

### **Bachelor of Business Administration - Concentrations**

The open elective concept provides sufficient flexibility for students to obtain a concentration in the business disciplines. This concept can be used to obtain concentrations by choosing business or other electives from the specific areas in addition to the required BBA core courses.

#### **Economics (18 credits):**

Required Courses: ECON2105, ECON2101 & ECON2103

Plus 9 credits from ECON3101, ECON3105, ECON3107, ECON3108, ECON4101, ECON4103, ECON4105, FINC4401, FINC4408

#### **Entrepreneurship (15 credits) :**

Students wishing to pursue their own business venture can obtain a concentration in Entrepreneurship by completing our Entrepreneurship Module in the fourth year of the BBA program. The Entrepreneurship Module is a 15 credit program which includes mentoring from professors and our Entrepreneur-in- Residence, pre-launch support, access to grant and seed money, and participation in a global simulation venture training. Upon successful completion of their concentration, graduates should have a well developed business plan and a realistic assessment of their business idea.

#### **Finance (18 credits):**

Required Courses: FINC3403 & FINC3401

Plus 12 credits from: FINC2405, FINC3404, FINC4401, FINC4404, FINC4403, FINC4406, FINC4408, ECON3101, ECON3103, ECON3105

#### **Information Technology (18 credits):**

\*ITEC Courses are not offered on campus at CBU

6 credits from MATH1116, ITEC1501, MATH1217, ITEC2503, ITEC3503, ITEC3507, ITEC4505

Plus 12 credits from ITEC1503, ITEC1505, ITEC1506, ITEC2503, ITEC2504, ITEC2505, ITEC3505, ITEC3506, ITEC3508, ITEC4503, ITEC4504, ITEC4506, ITEC4507, ITEC4508, ITEC4509 or ITEC4513.



## **Legal Studies (18 credits):**

Required Courses: LEGL2501, LEGL2503, LEGL3501, LEGL3505 & LEGL3503

Plus 3 credits from: LEGL3504, LEGL4501, LEGL4503, PUBH2103, PUBH3103, PUBH4105, ENVI2163, POLS2104, POLS3134

## **Human Resources (18 credits):**

Required Courses: MGMT3605 & MGMT3604

Plus 12 credits from: MGMT2603, MGMT3606, MGMT3601, MGMT4603, MGMT4604, MGMT4609, LEGL3503, LEGL3504.

## **Tourism Marketing and Management (27 credits):**

*Marketing Management Component (total of 9 credits):*

MRKT2301 & MGMT3604 - Plus 3 credits from MRKT2303 or MRKT4307

*Tourism Component (total of 9 credits):*

MGMT4606, HATM1506 Plus elective

*Hospitality Component (total of 9 credits):*

HATM3505, HATM1501 & HATM1503

## **toc: Bachelor of Arts Community Studies/Bachelor of Business Administration**

### **Bachelor of Arts Community Studies/Bachelor of Business Administration**

CBU offers students an opportunity to obtain both their BACS and BBA degrees in four years. At the end of three successful years, students will receive a Bachelor of Arts Community Studies degree with a career concentration in Business. After the fourth successful year, they will receive a Bachelor of Business Administration.

## **toc: Bachelor of Hospitality and Tourism Management**

### **Bachelor of Hospitality and Tourism Management**

The Bachelor of Hospitality and Tourism Management program is a three-year general degree offered through the Shannon School of Business that encompasses courses spread over the Hospitality, Tourism, Business/Management, Humanities, Social Science and English academic disciplines.

The program includes two compulsory, six-month paid industry internships, which occur between May and October in the first and second years of study. Internships must meet suitable industry internship criteria. An internship coordinator (faculty member) will arrange recruitment presentations and provide students with the opportunity to be interviewed on campus by national, provincial and regional establishments for internship placement. Students are also encouraged to seek internship opportunities on their own. All internship placements are subject to approval by the internship coordinator.

## **toc: Admission Requirements**

### **Admission Requirements**

**Required:** Five Grade 12 advanced or academic courses including English and Mathematics with a minimum average requirement of 65%.

Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

## **toc: Program Requirements**

### **Bachelor of Hospitality and Tourism Management (BHTM) –**

#### **Program Revised November 2010**

##### **Year One: Fall Term (September- December)**

HATM1501 Introduction to Food Theory and Nutrition

HATM1504 Tourism in Canada

ACCT1203 Intro to Accounting I

Non-Discipline Elective (3 credits)

English (3 credits)

##### **Winter Term (January-April)**

HATM1503 Restaurant Operation and Service

HATM1506 Intro to Tourism Marketing

ACCT1204 Intro to Accounting II

Communication (3 credits)

Non-Discipline Elective (3 credits)

##### **Spring/Summer**

Hospitality and Tourism Internship I

##### **Year Two: Fall Term (September-December)**

HATM3505 Tourism Law

HATM3504 Resort/Facilities Management and Maintenance

MGMT2604 Intro to Organizational Behaviour

MATH1215 Descriptive and Basic Inferential Statistics

Non-Discipline Elective (3 credits)

HATM2999 Industry Internship I (Completed in spring/summer)

##### **Winter Term (January-April)**

HATM3503 Meetings and Convention Management

MGMT2605 Human Resource Management

MGMT3607 International Business

ECON1101 Principles of Microeconomics

Non-Discipline Elective (3 credits)

## **Spring/Summer**

Hospitality/Tourism Internship II

## **Year Three: Fall Term (September- December)**

HATM3125	Tourism Operations Planning
HATM3509	International Tourism Management
MGMT4606	Tourism Management I
Open Elective	(3 credits)
Non-Discipline Elective	(3 credits)
HATM3999	Advanced Industry Internship II (completed in spring/summer)

## **Winter Term (January-April)**

MGMT4607	Tourism Strategy
HATM3508	Destination Management and Marketing
Open Elective	(3 credits)
Open Elective	(3 credits)
Non-Discipline Elective	(3 credits)

# **toc: Bachelor of Technology Information**

## **Bachelor of Technology Information**

The Bachelor of Technology Information (BTI) degree is a four-year, co-operative education program consisting of 40 three credit courses (120 credits) and three optional work placements.

The BTI degree equips its graduates with the essential information technology (IT) skills necessary for them to be both adaptable and innovative in the dynamic business world of IT. Courses are taught in both classroom and computer laboratory environments and are continually updated to reflect current business and industry standards. The BTI degree prepares graduates for careers as systems analysts, project leaders, programmers, consultants, network administrators and application support personnel.

**The BTI degree program is now offered only in Egypt through CBU's partnership with Canadian International College (CIC).**

# **toc: Admission Requirements**

## **Admission Requirements**

**Required:** Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least \*65%.

# **toc: BTI (INFORMATION MANAGEMENT)**

## BTI (INFORMATION MANAGEMENT)

In addition to the year one through year three requirements listed above, students in the BTI (Information Management) also require the following courses to complete the degree:

ITEC4515	Information Technology Documentation
ITEC4505	E-Commerce Technologies
ITEC4509	Current Issues in Information Technology
ITEC4511	Systems Implementation Project
ITEC4506	Data Warehousing
ITEC4507	Software Engineering Tools
MGMT3603	Management for Small Business (or close cognate)
MGSC3101	Management Information Systems
Discipline Elective	
Discipline Elective	

## toc: BTI (NETWORK MANAGEMENT)

### BTI (NETWORK MANAGEMENT)

In addition to the year one through year three requirements listed above, students in the BTI (Network Management) also require the following courses to complete the degree:

ITEC4515	Information Technology Documentation
ITEC4505	E-Commerce Technologies
ITEC4509	Current Issues in Information Technology
ITEC4511	Systems Implementation Project
ITEC4503	Internet Administration
ITEC4504	Advanced TCP/IP
ITEC4513	Server Technologies
ITEC4508	WAN Technologies
Discipline Elective	
Discipline Elective	

Refer to ITEC course descriptions in this calendar for additional information on individual courses. Further information on either the Information Management concentration or the Network Management concentration is available from the department chair.

## toc: Program Notes

### Program Notes

1. Discipline electives are defined as additional non-compulsory ITEC, business foundation, business or information technology related, or chair approved courses.

2. BTI students are eligible to complete a maximum of three work placements. Students must pass all required ITEC courses in the academic year preceding their placement and maintain a 70% average to be eligible to apply for work placements. Contact the career advisors for additional details.
3. Graduates from Business Technology are eligible to receive credit for a minimum of 10, six credit courses toward the completion of the BBA degree.

## toc: Program Requirements

The following course template represents the standard pattern through the degree program. The year one through year three course requirements listed below are common to both the BTI (Information Management) and BTI (Network Management) concentrations.

### Year One

ITEC1501	Introduction to Programming
ITEC1503	Introduction to Operating Systems
ITEC1504	Information Systems
ITEC1505	PC Hardware Fundamentals
ITEC1506	Introduction to Network Management
ITEC1507	Internet Fundamentals
MGSC1101	Mathematics for Business
MGMT1601	Introduction to Canadian Business
English	3 credits
Discipline Elective	

### Year Two

ITEC2501	Systems Analysis & Design
ITEC2503	Advanced Programming
ITEC2504	Advanced Network Management
ITEC2505	Data Base Development
ACCT1203	Introduction to Accounting I
MGSC1108	Introduction to Statistics
MGMT2604	Organizational Behaviour I
ACCT1204	Introduction to Accounting II
Discipline Elective	
Discipline Elective	

### Year Three

ITEC3503	Visual Basic
ITEC3504	Systems Security and Control
ITEC3505	Mid-Range Operating Systems

ITEC3506	Information Technology Project Management
ITEC3507	Object Oriented Programming
ITEC3508	Windows Server Technologies
ITEC3511	Business Strategies in IT
Communication	3 credits

Discipline Elective

Discipline Elective

## **toc: Certificate & Designation Programs**

### **Certificate & Designation Programs**

## **toc: Certificate in Management & Administration/Certified in Management (CIM) Professional Designation**

### **Certificate in Management & Administration/Certified in Management (CIM) Professional Designation**

#### **CANADIAN INSTITUTE OF MANAGEMENT**

Students will be awarded a Certificate in Management and Administration, by the Canadian Institute of Management upon completion of ten (30 credits) courses as specified by the Institute, with a minimum grade of 60% in each course.

Candidates will be eligible to apply for Certified in Management (CIM) professional designation once they have acquired two years of management/administration experience. In order to be granted the designation, candidates are required to submit an application, along with two letters of reference and a current resume within six years of completing the prescribed studies.

The following are Cape Breton University equivalencies as approved by the Canadian Institute of Management:

<b>CBU Equivalencies</b>	
Introduction to Management	MGMT1601 Introduction to Canadian Business
Managerial Communications	COMM1105 Public Communication
Canadian Business Law	LEGL2501 Business Law I
Managerial Accounting	ACCT1203 Introduction to Accounting I
	ACCT1204 Introduction to Accounting II
	ACCT3208 Planning & Control
Managerial Finance	FINC2401 Business Finance I
Strategic Policy Analysis	MGMT4605 Business Competitive Strategies
Option Courses (two courses required)	MRKT1301 Introduction to Marketing
	MGMT2604 Organizational Behaviour I
	MGSC3101 Information Systems for Management
	ECON1101 Principles of Microeconomics
	ECON1103 Principles of Macroeconomics

### **Admission Requirements**

The normal rules and regulations for regular, part-time and mature students entering Cape Breton University credit courses will apply.

### **Additional Fees**

Regular Cape Breton University tuition and fees apply to all courses. A yearly membership fee, in addition to Cape Breton University tuition and fees, is required by the Canadian Institute of Management.

### **For further information**

Contact Wendy Wadden (902) 563-1229 or e-mail: [wendy\\_wadden@cbu.ca](mailto:wendy_wadden@cbu.ca)

## **toc: Professional Development Certificate Program**

### **Professional Development Certificate Program**

This program is designed to meet the needs of both public and private sector employees and those who want to both develop and enhance work-related skills, as well as to participate in an accredited professional development opportunity. Courses are multi-disciplinary to reflect the nature of skills needed to perform successfully on the job. This program would be of interest to individuals who are currently employed and who wish to further their education and employers interested in providing professional development. The program has significant value compared to traditional training programs as, should an individual desire, certificate credits can be applied toward a relevant university degree.

The program can be offered as a closed certificate for a defined learning group or learners can participate as part of a regular stream class. Some courses may be available through distance education.

### **Core Courses**

MGMT2604	Organizational Behaviour
COMM1105	Introduction to Public Communication
MGMT3607	International Business Management
Elective	9 credits from the approved disciplines such as Political Science, Communication, French or Business Administration.

### **Independent Study**

The independent study provides an opportunity for students to investigate an area of personal or professional interest using the skills and background acquired through the courses of the program. This topic will be determined in consultation with the Dean of Business.

## **toc: Business Certificate and Professional Programs**

### **Business Certificate and Professional Programs**

There are numerous independent professional organizations offering their own programs of study leading to diplomas or certificates. Some Shannon School of Business courses are accepted as equivalents of courses within these external programs. These include:

#### **Institute of Canadian Bankers Fellows Program (ICB)**

Applicants are advised to read the Institute's publication for information and/or contact the Registrar's Office of the Institute or their bank's ICB coordinator.

#### **CPA Atlantic School of Business**

The Chartered Professional Accountants of New Brunswick, Nova Scotia, Prince Edward Island and

Newfoundland are participants of the Atlantic School of Business. The primary objective is to provide a prequalification study program for students wishing to enter the profession.

Prospective CPAs must first obtain an undergraduate degree in business, to be admitted as students in the CPA Professional Education Program (CPA PEP). Students will then undertake a number of prescribed modules of study and must pass evaluations in each course. After completion of these module courses they are then required to sit the uniform evaluations (UFE) in order to receive the designation of CPA.

## **Supply Chain Management Institute**

Cape Breton University BBA Supply Chain Management courses have been designed to support the Supply Chain Management Professional (SCMP) designation for those who further their education in the field. This is offered through the Supply Chain Management Institute, the main certifying body for Canada with the designation having global reciprocity. For more information please contact the Supply Chain Management discipline coordinator.

## **AFOA Canada**

AFOA Canada is the centre for excellence, information and certification in Aboriginal management. AFOA Canada offers the Certified Aboriginal Financial Manager (CAFM) designation, which is the preferred credential for Aboriginal financial management positions in Canada. For students wishing to pursue the CAFM, there are several courses offered at Cape Breton University which are equivalent to AFOA program requirements. For more information, please contact the [Accounting discipline coordinator](#).

# **toc: School of Professional Studies**

## **School of Professional Studies**

### **Disclaimer**

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

## **CAROLIN KREBER, PhD – DEAN**

Established to provide institutional and community leadership in education and research relevant to the disciplines delineated by its name, the School of Professional Studies offers a variety of degree, diploma and certificate programs.

# **toc: Degree, Diploma and Certificate Programs**

## **Degree, Diploma and Certificate Programs**

### **GRADUATE DEGREE**

Master of Education (Information Technology) conferred by Memorial University of Newfoundland

### **PROFESSIONAL DEGREE**

Bachelor of Education



## UNDERGRADUATE DEGREE

Bachelor of Science Nursing

Bachelor of Health Sciences (Public Health)

Bachelor of Science in Human Nutrition (Transfer)

Bachelor of Technology (Emergency Management)

## GRADUATE DIPLOMAS

Diploma in Education (Counseling)

Diploma in Education (Curriculum)

Diploma in Educational Technology

## GRADUATE CERTIFICATES

Certificate in Educational Studies (Arts Education)

Certificate in Educational Studies (Sabbatical Offering)

CBU recognizes potential for program growth in health-related disciplines such as Nutrition, Public Health and Nursing as well as in a broad range of teacher education (both pre- and post-certification) programs. Further, the institution recognizes the strong opportunities for employability of its graduates in these related fields. CBU believes it is part of our regional responsibility to provide access for our students to professional credentials such as Teaching, Nursing and Public Health and that the benefit of such access extends well beyond our students and the institution; it is a critical component of regional sustainability.

The School is comprised of three academic departments and one non-credit community wellness area. It also has numerous formal partnerships with outside agencies.

**Health Sciences and Emergency Management:** The Department of Health Sciences and Emergency Management houses faculty delivering the Bachelor of Health Sciences (Public Health), Bachelor of Technology (Emergency Management) and Bachelor of Science, Nutrition (Transfer) programs. With both a four-year degree option and a two-year post-degree option, the BHSc (Public Health) makes CBU one of five institutions in Canada that prepares its students to sit for the examination for the Canadian Institute of Public Health Inspectors. Nutrition students may choose to do the first two years of a BSc (Nutrition) before transferring to another post-secondary institution. Emergency Management students can complete their BTech by completing seven on line courses via distance.

**Education:** CBU's Department of Education delivers both pre- and post-certification programs for teachers. These include a Bachelor of Education (elementary and intermediate/secondary); a Master's degree in Education (Information Technology) offered in conjunction with Memorial University of Newfoundland; Graduate Diplomas in Education in Counseling, Curriculum and Educational Technology; the Certificate in Educational Studies; and the Certificate in Educational Studies (Arts Education). With a strong expertise and interest in online education, the department offers many of the teacher education programs entirely online. The department also maintains a formal linkage with school boards, the Department of Education, First Nations communities and other community stakeholders.

**Nursing:** Nursing is a unique health profession which involves the practice of professional caring. Nursing traditions have always provided leadership in addressing challenging health care issues related to health promotion, maintenance and restoration, illness prevention and palliative care. Cape Breton University's Bachelor of Science in Nursing program provides competence in all aspects of nursing. This includes the development of expertise in professional skills, as well as fostering critical thinking, problem solving and decision making. A BScN with an advanced major, is an option for students who want to pursue a concentration in one area. The curriculum is designed to provide learning experiences that promote student development and the acquisition of knowledge and skills necessary for a career in the nursing and health care profession. The body of knowledge in the program is rooted in nursing theory and nursing research, as well as the biological sciences, social sciences and humanities. Students in this program develop the skills and ability to assist individuals, families, groups, communities and populations to consider, develop and follow wellness plans to

optimize their level of functioning. Our BScN Program is one of excellence, respect, openness to students and very high standards.

Through a formal Memorandum of Understanding, CBU has partnered with the Cape Breton District Health Authority to advance health and wellness initiatives of mutual interest. One such initiative includes the recently launched Cape Breton Centre for Health Research, established to provide infrastructure for the advancement of health research activities in the area. Part of CBU's commitment to this project is the provision of space for office and staff.

The School of Professional Studies also assumes the lead role for CBU in building and maintaining community linkages focused on creating a healthier Cape Breton. In addition to its own proactive Campus and Community Wellness strategy, the School partners with the District on the fitness component of its Cardiac Wellness program and plays a role in such initiatives as the Committee for Active Transportation in the area. The School is also home to the Cape Breton University Seniors College.

## **toc: Bachelor of Education**

### **Bachelor of Education**

Cape Breton University offers the Bachelor of Education (Elementary and Intermediate/Secondary Education). Upon successful completion of this degree, students will be eligible to apply for teaching certification in Nova Scotia. This 60-credit degree is 16-months in duration (including the teaching internship). Classes commence each spring.

## **toc: Admission Requirements**

### **Admission Requirements**

#### **INTERMEDIATE/SECONDARY EDUCATION PREREQUISITES**

- A concentration of at least 30 credit hours of university coursework in a discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement;
- A concentration of at least 18 credit hours of university coursework in a second discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement.

#### **INTERMEDIATE/SECONDARY TEACHABLES**

English, Math, French, Fine Arts, Technology, Science (Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies) and Social Studies (History, Geography, Political Science, Anthropology\*, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies, Law and Classics). Applicants to the Bachelor of Education (Intermediate/Secondary) cannot be accepted to this program if the first and second teachable disciplines are both social studies related disciplines.

\* can be used as a second teachable discipline only

#### **ELEMENTARY EDUCATION PREREQUISITES**

Candidates for the Bachelor of Education (Elementary) must have successfully completed the following:

- 6 credits in social studies (from among History, Geography, Political Science, Anthropology, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies and/or Philosophy) NOTE: This requirement will change to six (6) credits of university social studies coursework for May 2013.
- 6 credits in science (from among Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies)
- 6 credits in Mathematics
- 6 credits in English

- 6 credits in Developmental Psychology

All students are required to have an undergraduate degree from a recognized university, with a minimum of 90 credit hours completed.

Students in good academic standing, who have achieved an average of at least 65% throughout their undergraduate degree and an average of at least 70% in the last 60 credits attempted, are eligible for admission to the program.

## toc: Program Requirements

### Program Requirements

The pass mark in all Bachelor of Education courses is 60. Bachelor of Education students may only proceed to terms two, three, and four of the program by successfully completing all 15 credits of the coursework from the preceding term. This includes the teaching practicum.

The Nova Scotia Department of Education has adopted guidelines for the conduct of pre-service teachers enrolled in Bachelor of Education program. Professional responsibilities of teacher candidates are outlined in the CBU Bachelor of Education Practicum Handbook and in the Nova Scotia Teachers' Union Code of Ethics. Pre-service teachers are expected to adopt the core values of professionalism and the principles that define teachers' moral and ethical obligations both individual and collectively. Such values and principles are expressed in the pre-service teacher's attitude, behaviour and practice.

#### **B.ED CORE COURSES (REQUIRED FOR BOTH ELEMENTARY AND INTERMEDIATE/SECONDARY)**

EDUC4103	Inclusive Education (3 credits)
EDUC4107	Assessment Of and For Learning (3 credits)
EDUC4109	Perspectives on Schooling (3 credits)
EDUC4114	Teaching and Learning for a Sustainable Future ( 3 credits)

#### **B.ED – ELEMENTARY ADDITIONAL CORE**

EDUC4111	Facilitating a Comprehensive Literacy Program at the Elementary Level (3 credits)
EDUC4113	Teaching an Integrated Science Curriculum (3 credits)
EDUC4115	Teaching an Integrated Social Studies Curriculum (3 credits)
EDUC4116	Mathematics at the Elementary Level (3 credits)
EDUC4117	Assessment and Curriculum Instruction in Elementary Education (3 credits)
EDUC4118	Principles and Practice of Elementary Education (3 credits)
EDUC4989	Internship in the Elementary School (15 credits)

Please note: BEd students must successfully complete the coursework from semester one and two prior to beginning the practicum (EDUC4989 / EDUC4999). A BEd student may be permitted to enrol in a methodology courses as an elective only with the written permission of the instructor.

15 credits in Education Electives

#### **B.ED – INTERMEDIATE/SECONDARY ADDITIONAL CORE**

EDUC4128	Principles and Practice of Secondary Education (3 credits)
EDUC4121	Literacy in the Content Areas (3 credits)
EDUC4217	The Adolescent Learner (3 credits)

**Twelve credits of methodology coursework chosen from:**

EDUC4138	Technology Education I (3 credits)
EDUC4139	Technology Education II (3 credits)
EDUC4141	Science at the Secondary Level I (3 credits)
EDUC4143	Science at the Secondary Level II (3 credits)
EDUC4144	Social Studies at the Secondary Level I (3 credits)
EDUC4145	Social Studies at the Secondary Level II (3 credits)
EDUC4146	French Second Language at the Secondary Level I (3 credits)
EDUC4147	French Second Language at the Secondary Level II (3 credits)
EDUC4148	Fine Arts at the Secondary Level I (3 credits)
EDUC4149	Fine Arts at the Secondary Level II (3 credits)
EDUC4151	English Language Arts at the Secondary Level I (3 credits)
EDUC4153	English Language Arts at the Secondary Level II (3 credits)
EDUC4154	Mathematics at the Secondary Level I (3 credits)
EDUC4155	Mathematics at the Secondary Level II (3 credits)
EDUC4999	Internship in the Secondary School (15 credits)

Please note: BEd students must successfully complete the coursework from semester one and two prior to beginning the practicum (EDUC4989/EDUC4999). A BEd student may be permitted to enrol in a methodology courses as an elective only with the written permission of the instructor.

12 credits of Education Electives

**ABORIGINAL EDUCATION CONCENTRATION**

Students completing the BEd with the Aboriginal Education Concentration will complete all requirements as outlined above for the common core and secondary/elementary core. Additionally, students will complete 12 of their 15 credits of elective courses within the 'Mi'kmaq Focus Electives'. The requirements for the Secondary and Elementary streams are outlined below:

**Elementary Aboriginal Education:**

- EDUC4133 Teaching English as a Second Language in an Additive Bilingual Model (3 credits)
- EDUC4134 Introduction to Literacy and Fluency in Aboriginal Languages (3 credits)
- EDUC4135 Advanced Reading and Writing in Aboriginal Languages (3 credits)
- EDUC4136 Aboriginal/Indigenous Education Models (3 credits)

**Secondary Aboriginal Education:**

- EDUC4133 Teaching English as a Second Language in an Additive Bilingual Model (3 credits)
- EDUC4134 Introduction to Literacy and Fluency in Aboriginal Languages (3 credits)
- EDUC4135 Advanced Reading and Writing in Aboriginal Languages (3 credits)
- EDUC4136 Aboriginal/Indigenous Education Models (3 credits)

Individual courses from CBU's graduate diploma and certificate offerings may be taken with permission. A non-refundable application fee of \$50.00 is required with each application for education diploma and certificate programs. Department of Education contacts:

- Patrick Howard, Chair, Education Department (902) 563-1300; [Patrick\\_howard@cbu.ca](mailto:Patrick_howard@cbu.ca)
- Terry MacDonald, Manager & Technology Enhanced Learning, Teacher Education (902) 563-1647; [terry\\_macdonald@cbu.ca](mailto:terry_macdonald@cbu.ca)
- Susan Basso, BEd, Manager & Practicum Coordinator, BEd (902) 563-1651; [susan\\_basso@cbu.ca](mailto:susan_basso@cbu.ca)

## **toc: Diploma Programs**

### **Diploma Programs**

## **toc: Diploma in Education (Curriculum)**

### **Diploma in Education (Curriculum)**

This graduate level program is intended for learners who wish to pursue a deeper understanding of curriculum development. It has been available from CBU since 1983 and has been delivered both on campus and by distance. Beginning with the meaning and purpose of curriculum, the learner completes the program by developing a model curriculum that may be used in his or her class. Formal admission to the program is required. Courses are offered on a part-time basis and completion of the diploma takes approximately two years. Individual courses may be taken with the permission of the Dean.

#### **REQUIRED COURSES**

EDUC5102	The Meaning and Purpose of Curriculum (6 credits)
EDUC5110	Teaching Canadian Culture (6 credits)
EDUC5112	Learning Resources (6 credits)
EDUC5120	Issues in Planning, Designing and Developing Curriculum (6 credits)
EDUC5122	Research/Curriculum Development (6 credits)

## **toc: Diploma in Education (Counseling)**

### **Diploma in Education (Counseling)**

This graduate level diploma program has been available from CBU since 1994. It is intended to enhance counseling skills for classroom teachers. With courses in counseling theory, differentiated instructional issues, individual and career counseling, testing and a supervised practicum, the diploma has proven beneficial to K-12 teachers in a variety of teaching and resource positions. Formal admission into the program is required. Courses are offered on a part-time basis allowing for the program to be completed in three years. Individual courses may be taken with the permission of the Dean.

#### **REQUIRED COURSES**

EDUC5109	An Introduction to Theories and Issues in Counseling (3 credits)
EDUC5111	Cultural Issues in an Educational Setting (3 credits)

EDUC5113	Human Relations Development (3 credits)
EDUC5114	Career Counseling (3 credits)
EDUC5142	Individual Testing (6 credits)
EDUC5150	Identification and Remediation of Learning Difficulties (6 credits)
EDUC5991	Counseling Practicum I (3 credits)
EDUC5993	Counseling Practicum II (3 credits)

## **toc: Diploma in Educational Technology**

### **Diploma in Educational Technology**

This program is designed to improve the technological skills of classroom teachers and to provide an in-depth exploration of the integration of technology across the curriculum. It is appropriate for teachers of all subject areas. Computer access is required as the program is delivered entirely over the World Wide Web. This program may lead to further education through a Master of Education (Information Technology) program.

#### **REQUIRED COURSES**

EDUC5132	Principles of Computing & Implication for Instruction (6 credits)
EDUC5101	Assessment of Software and Information Technology Applications for Education (3 credits)
EDUC5103	Integration of Instructional Design and Information Technology (3 credits)
EDUC5104	Application of Learning Theory in Education Multimedia Design (3 credits)
EDUC5105	Designing Web-Based Learning (3 credits)
EDUC5106	Technology Planning for Educational Environments (3 credits)
EDUC5107	Information Management in Education Environments (3 credits)
EDUC5800	Applied Research Project (6 credits)

## **toc: Certificate Programs**

### **Certificate Programs**

## **toc: Certificate in Educational Studies**

### **Certificate in Educational Studies**

The Certificate in Educational Studies is awarded to teachers and school administrators who complete a sabbatical program following the guidelines established by the Institute for Education. This supervised year of study requires the completion of 30 credits in an approved subject area, including an advanced graduate seminar and an internship/research project.

## **toc: Certificate in Educational Studies (Arts Education)**

### **Certificate in Educational Studies (Arts Education)**

The Educational Studies Certificate in Arts Education addresses the needs of two distinctive groups of teachers: general classroom teachers who are committed to teaching and learning through the arts.

Students have the opportunity to pursue a specific arts discipline through concentrated study and practical application. The certificate consists of 24 graduate-level credits and the teacher's choice of six credits from Fine

Arts courses listed in this calendar.

All courses will initially be offered on campus at CBU and may be converted for distance delivery should student needs dictate.

## **REQUIRED COURSES**

EDUC5100	Developmental Drama (6 credits)
EDUC5130	Phenomenology of Childhood (6 credits)
EDUC5802	Applied Research Project (6 credits)
EDUC5810	Advanced Graduate Seminar (6 credits)
Six credits of Fine Arts courses	

## **toc: Master of Education (Information Technology)**

### **Master of Education (Information Technology)**

This program was designed to facilitate the educational use of information technology in a wide variety of settings. The program will be of interest to educators at all levels, including K-12 teachers, school administrators, those in the post-secondary system, business and industry, as well as those in most other adult learning situations. While the co-operatively-offered degree may be awarded at convocation at either CBU or MUN, the degree is conferred by MUN.

## **toc: Admission Requirements**

### **Admission Requirements**

In addition to meeting the requirements in the general degree regulations, Faculty of Education, MUN, candidates must have successfully completed one of: a diploma or certificate in information technology from an accredited institution; CBU EDUC5132; MUN E2751 and MUN E3751; or equivalent, as determined by the program steering committee.

## **toc: Program Requirements**

### **PROGRAM REQUIREMENTS**

1. All candidates for the Master of Education (Information Technology) must complete MUN E6100 Research Designs and Methods in Education (3 credits).

2. Candidates on the thesis route must complete three credits from:

MUN E - 6610	Research on Computers in the Curriculum (3 credits)
MUN E - 6615	Educational Software Prototyping and Evaluation (3 credits)
MUN E - 6620	Issues and Trends in Educational Computing (3 credits)

Nine credits selected from the core elective CBU courses approved for this program:

CBU EDUC5101	Assessment of Software and Information Technology Applications for Education (3 credits)
CBU EDUC5103	Integration of Instruction Design and Information Technology (3 credits)
CBU EDUC5104	Applications of Learning Theory in Educational Multimedia Design (3 credits)
CBU EDUC5105	Designing Web-based Learning (3 credits)

CBU EDUC5106 Technology Planning for Education Environments (3 credits)

CBU EDUC5107 Information Management for Education Environments (3 credits)

Three credits from E6426, E6802, E6822, E6823 or from other MUN, Faculty of Education graduate course offerings as deemed appropriate for each candidate's program and approved by the program steering committee.

3. Candidates on the comprehensive course route must complete:

- 6 credits selected from E6610, E6615, E6620 listed in (ii) above;
- 12 credits selected from CBU EDUC5101, EDUC5103, EDUC5104, EDUC5105, EDUC5106, EDUC5107, listed in (2) above
- E6590 Research and Development Seminar in Information Technology in Education (3 credits);
- 3 credits from E6426, E6802, E6822, E6823 or from other MUN, Faculty of Education graduate course offerings as deemed appropriate for each candidate's program and approved by the program steering committee;
- Additional credits appropriate to a candidate's program and approved by the program steering committee, to be chosen from graduate course offerings at MUN, CBU, or any other university to complete the required 30 credits for the comprehensive course route.

4. Normally, candidates will be permitted to register for E6590 only after all other course requirements have been met.

5. Candidates who have successfully completed the CBU graduate-level Certificate in Education (Technology) will be given advanced standing credit for the nine CBU EDUC course credit requirements for the thesis route or 12 CBU EDUC course credit requirements for the comprehensive course route in this program.

6. Candidates who have successfully completed the former CBU EDUC534 and/or EDUC543 with at least a CBU grade of B (70%) toward the CBU graduate-level Certificate in Education (Technology) prior to September 2000, will receive up to 12 advanced standing credits appropriate to their degree option (EDUC534 will be considered equivalent to EDUC5101 and EDUC5103 and EDUC543 (equivalent to EDUC5104 and EDUC5105).

7. Thesis route candidates will be subject to regulation J of the School of Graduate Studies, MUN, supervised by a faculty member at MUN and where feasible, co-supervised by a CBU faculty member.

## **toc: Bachelor of Science Nursing**

### **Bachelor of Science Nursing**

The Bachelor of Science Nursing (BScN) is a four-year program that prepares nurses to practice in a variety of health care settings in hospitals and the community. Nursing is a distinctive health profession, both an art and a science that focuses on health promotion, maintenance and restoration, illness prevention and palliative care. The Nursing curriculum is a blend of biological and social sciences, humanities and nursing courses that combines academic and professional theory with nursing practice.

## **toc: Admission Requirements**

### **Admission Requirements**

The Bachelor of Science Nursing is a limited entry program and therefore admission to the program is competitive. The Office of the Registrar ranks all eligible first year candidates based on their academic average.

**DEADLINE FOR APPLICATION:** General Admission and Nursing applications, along with all supporting documentation must be received by February 28 for consideration for admission for the following September start date.

### **Admission from High School**

Required: Five Grade 12 advanced or academic (university preparatory) courses including English;



Mathematics; and two sciences (Chemistry and Biology recommended), with an overall average of at least 65% in both Grades 11 and 12. .

**\*Effective September 2014, the admission requirement will change to 70%.**

## Admission from University

Applicants attending or having attended a University must meet the same requirements as listed above but can also complete the course requirements by taking degree level courses. A minimum mark of 60% is required in degree level courses.

# toc: Program Requirements

## Bachelor of Science Nursing Program Requirements

YEAR ONE (33 credits)	YEAR TWO (36 credits)	YEAR THREE (33 credits)	YEAR FOUR (30 credits)
NURS1101	NURS2101	NURS3100	NURS4101
NURS1103	NURS2103	NURS3101	NURS4103
NURS1104	NURS2104	NURS3103	NURS4104
BIOL1101	NURS2990 (Spring)	NURS3104	NURS4990
BIOL2203	NURS2105	NURS3105	NURS4105
CHEM1101	NURS2106	NURS3106	NURS4106
CHEM1103	BIOL3203	NURS3107	NURS4801 - Advanced major only
PHIL1103	MICR2101	6 credits arts/science electives	9 credits open electives (only 6 credits needed) if doing NURS4801 Advanced Major)
ENGL1109 (RECOMMENDED)	PHIL2129 OR PHIL2131	NUTR2108	
PSYC1101/PSYC1103	PSYC2601/PSYC2603		

## Additional Program Requirements

Current certification in standard first aid and Level C CPR are required for entrance into the program. Students in the Nursing program are responsible for annual recertification of CPR.

Students must be screened through the Child Abuse Registry database of their home province and Nova Scotia and have a criminal records check completed at their municipal police department, or local detachment of the RCMP, prior to entry into the program. Documentation of both is required. Prospective students are advised that the College of Registered Nurses of Nova Scotia (CRNNS) (licensure body for nurses) requires disclosure of criminal activity prior to consideration for registration by the CRNNS. Those deemed a risk to others may not be considered for registration by the CRNNS.

Prior to entering the program, students are responsible for having their immunizations up to date. Hepatitis B immunization and tuberculin (Mantoux) testing are required..

A grade of 65% in each NURS course is required for students to progress through the program.

To have courses qualify as a transfer credit for NURS3102 (now NURS3106/NURS3107) and for NURS3100, the mark in the course must be at least a 65%.

To move from first year to second year, an overall average of 65% is required.

Prior to registering for NURS2990 (Nursing Practice 1 – Spring Intersession), students must have successfully completed both PSYC2600 (now PSYC2601/PSYC2603) and BIOL3200 (now BIOL2203/BIOL3203), in addition to all Level 1 and 2 Nursing courses to date.

To progress from second to third year, and from third to fourth year, students must have an average of 65%.

BIOL1101 and BIOL3200 (BIOL2203/BIOL3203), CHEM1101/CHEM1103, MICR2101, PSYC1100 (PSYC1101/PSYC1103), PSYC2600 (PSYC2601/PSYC2603) and all first- and second-year nursing courses, must be completed before the student may progress to the third year. All required program electives should be successfully completed prior to the winter term in the fourth year of the program.

A pass must be received in the practice component of a NURS course for the student to progress to the next NURS course.

Students who fail to meet the progression requirements on three occasions are ineligible for re-admission to the program.

In all nursing practice situations, students must perform in accordance with the legal, ethical, moral and professional standards set out in the profession's Code of Ethics (2008), the Registered Nurses in Nova Scotia (CRNNS 2009), the Standards of Nursing Practice (CRNNS 2012) and the Nursing Program Objectives. Further, behaviour unbecoming of a nurse that is manifested outside the classroom or practice settings and has the potential to endanger public health or safety may warrant a professional alert or failure, which may result in dismissal from the program, pending due process. Student nurses are expected to act in a manner comparable to the average prudent nurse at a particular level in the program, regardless of the setting.

## **Nursing Practice Requirements**

Students will participate in nursing practice rotations in sites other than their location of residence.

Students will be expected to participate in nursing practice rotations scheduled at various times including evenings, nights, and weekends.

A pass must be received in the nursing practice component of a NURS course for the student to progress to the next NURS course.

Students are required to make up missed nursing practice time. Extended absences for nursing practice are evaluated by the Chair, Department of Nursing. Make up time in nursing and tutorial experiences may not always be available.

Students will not normally be permitted to withdraw from a course to avoid nursing failure.

Receipt of a nursing practice failure will result in dismissal from the program.

Students receiving a nursing practice failure will not normally be re-admitted to the program for a minimum of one year following the failure. Re-admission will be at the discretion of the Dean in consultation with the Chair of Nursing. Students re-admitted following a nursing practice failure will return with nursing practice improvement status. A second failure will result in permanent dismissal from the program.

## **toc: BSc in Nursing with Advanced Major**

### **BSc in Nursing with Advanced Major**

Students who wish to enter the advanced major must apply by March 31 of their third year, after meeting with the Associate Dean or Department Chair from the Nursing program. The application must be approved first by the Associate Dean/Department Chair and then by the Dean.

Please see below for specific admission requirements.

## **toc: Admission Requirements**

### **Admission Requirements**

The normal admission requirements are:

- An average of at least 60% in each of the first and second years;
- Grades of at least 65% in each NURS course;
- No nursing practice improvement in the first and second years.

Exceptions to these requirements require the approval of the Dean.

## **toc: Program Requirements**

### **Course Pattern**

The course pattern is the same as for the general BScN, except that the three credits earned for NURS 499 will replace three of the required nine open elective credits.

### **Degree Requirements**

To qualify for a BScN with advanced major, candidates must have:

- Been admitted to the program;
- Earned a general average of at least 70% in each of the two final years;
- Earned a grade of at least 70% in each NURS course in each of the third and fourth years;
- Fulfilled the course requirements of the department and satisfied the seminar/independent practice requirements;
- Received no nursing alert in the four years.

A student who fails to meet the required average may qualify for the general degree.

## **toc: Bachelor of Health Sciences (Public Health)**

### **Bachelor of Health Sciences (Public Health)**

The Bachelor of Health Sciences (Public Health) program is devoted to the environmental health dimension of public health. It is accredited by the Canadian Institute of Public Health Inspectors and graduates are academically eligible to sit for national certification examinations leading to the credential Certified Public Health Inspector (Canada) - CPHI(C). The program is available in a four-year option, a two-year post-diploma/degree accelerated option and a one-year professional degree completion option, available via distance education for those already holding the CPHI(C) credential.

## **toc: Admission Requirements**

### **Admission Requirements**

High School Graduates: five Grade 12 advanced or academic courses including English, Mathematics, Chemistry and one other science; with an overall average of at least 65%. Biology is recommended.

Diploma Graduates: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the program, with admission to the 4 year program.

Degree Graduates: appropriately accredited university science degree. The following term-courses or their equivalents are required for entry into the two-year accelerated option, with entry into 4 - year program.

- 6 credits Chemistry;
- 6 credits Communication or English (2)
- Introductory Microbiology;

Partially completed diploma/degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the program.

In-career health inspectors: CPHI(C) credential is required to enter the one-year professional degree completion option.

## **toc: Program Requirements**

### **Four-Year Program**

(Changes made to Bachelor of Health Science (Public Health) programme will go into effect September 2016, for new students.)

#### **Term One (Fall)**

CHEM1104	General Chemistry
ENGL1109	Reading and Writing about Science
MATH1107	Math I
PUBH1101	Cell Processes and Environmental Effects
PUBH1104	Physical Agents & Their Health Effects

#### **Term Two (Winter)**

PUBH2104	Anatomy and Physiology
COMM1105 or ENGL1106	Introduction to Public Communication or Introduction to Literature
MATH1109	Statistics I
PUBH3103	Public Health Administration
Free Elective	

#### **Term Three (Fall)**

MICR2101	Introductory Microbiology
PUBH2108	Engineering Issues in Public Health
PUBH2107	Emergency Preparedness
PUBH4105	Occupational Health and Safety Legislation
Free Elective	

#### **Term Four (Winter)**

GEOL3101	Hydrogeology
PUBH3101	Food Hygiene
PUBH4111	Integrated Pest Management
PUBH3106	Epidemiology
Science/Technology Elective	

#### **Term Five (Fall)**

PUBH1103	Issues in Public Health
PUBH2103	Public Health Law

PUBH2105	Public Health Inspection
PUBH3105	Public Health Ethics
PUBH4107	Quality & Environmental Project Mgt

### **Term Six (Winter)**

ENVI2163	Occupational Hygiene
ENVI2161	Air Pollution
PUBH4103	Communicable Disease Control
PUBH4104	Food Borne Disease
Free Elective	

### **Term Seven (Fall)**

PUBH2106	Food Quality
PUBH3104	Toxicology
PUBH4108	Biocontaminants in Indoor Environments
PUBH4109	Waste Management
Free Elective	

### **Term Eight (Winter)**

PUBH2101	Municipal Services
PUBH4101	Health Risk Assessment
PUBH4106	Public Health Education
NUTR1101	Community Nutrition
Free Elective	

The four-year program is available to secondary school graduates and is composed of 40 term courses. Upon completion of this program, students are academically eligible to apply to take the national certification examinations leading to the credential Certified Public Health Inspector (Canada) CPHI(C). An appropriate 12-week practicum is also a requirement for certification. Compliance with CIPHI practicum criteria and other certification requirements is a student responsibility, and does not lie with CBU.

## **Two-Year Accelerated Post Diploma/Degree Format**

### **Term One (Fall)**

PUBH1103	Issues in PH
PUBH2103	Public Health Law
PUBH2105	Public Health Inspection
PUBH3105	Public Health Ethics
PUBH4105	Occupational Health and Safety Legislation
PUBH4107	Quality & Environmental Project Management

### **Term Two (Winter)**

ENVI2161	Air Pollution
ENVI2163	Occupational Hygiene
PUBH3101	Food Hygiene
PUBH3103	Public Health Administration
PUBH3106	Epidemiology
PUBH4104	Food Borne Disease

### **Term Three (Fall)**

PUBH2106	Food Quality
PUBH2107	Emergency Preparedness
PUBH2108	Engineering Issues in PH
PUBH3104	Toxicology
PUBH4108	Biocontaminants in Indoor Environments
PUBH4109	Waste Management

### **Term Four (Winter)**

GEOL3101	Hydrogeology
PUBH2101	Municipal Services
PUBH4101	Health Risk Assessment
PUBH4103	Communicable Disease Control
PUBH4106	Public Health Education
PUBH4111	Integrated Pest Management

An average of 60% must be achieved in the 24 courses listed in the two year option. Graduates are eligible to receive a Bachelor of Health Sciences (Public Health) degree.

Upon completion of this program, students are academically eligible to apply to take national certification examinations leading to the credential Certified Public Health Inspector (Canada) - CPHI(C). An appropriate 12 week practicum is also a requirement for certification. Compliance with CIPHI practicum criteria and other certification requirements is a student responsibility and does not lie with CBU.

### **Related Electives**

Within the four year program, there are opportunities for free electives and science/technology electives. Delivered within the department are two occupational health and safety related electives that may be taken by students either on campus or via distance online learning. They are: PUBH3107 Fire, Safety and Security, PUBH4113 Safety Systems

## **One-year Professional Degree Completion Format**

Students who already hold the CPHI(C) credential are eligible to receive the Bachelor of Health Sciences (Public Health) degree upon completion of the 12 term courses below, offered via distance education (online). Two of these courses are offered in each term by rotation, requiring a minimum of six terms (24 months) to complete the program.

PUBH2107	Emergency Preparedness
PUBH3103	Public Health Administration
PUBH3104	Toxicology
PUBH3105	Public Health Ethics
PUBH3106	Epidemiology
PUBH4101	Health Risk Assessment
PUBH4103	Communicable Disease Control
PUBH4105	Occupational Health and Safety Legislation
PUBH4106	Public Health Education
PUBH4107	Quality and Environmental Project Mgt
PUBH4109	Waste Management
PUBH4111	Integrated Pest Management

## toc: Bachelor of Technology (Emergency Management)

### Bachelor of Technology (Emergency Management)

Offered exclusively at Cape Breton University (CBU), this post-baccalaureate degree is the only one of its kind in Canada; it is offered entirely online and requires the equivalent of 42 credits to complete.

## toc: Admission Requirements

### Admission Requirements

**Admission Requirements:** Applicants are required to have a previous diploma or degree. Those with other relevant combination of education and employment experiences will be considered on an individual basis.

In addition to the general application to the university, the following documentation must be submitted:

- **Covering Letter** explaining how your previous education and work experience relate to emergency management.
- **Statement of Interest** of approximately 500 words describing your interest in emergency management, what you hope to gain from this degree program and your expectations from participating.
- **Resume or Curriculum Vitae (CV).**

## toc: Program Requirements

### REQUIRED COURSES

This degree program currently consists of the following 12 one-semester, 3 credit courses plus two semesters of practicum (worth 6 credits).

#### Term One (Fall)

EMGN4101	Keystone to Emergency Management
EMGN4103	Taxonomy and Anatomy of Hazards
EMGN4104	Response: Who's Running the Show?
EMGN4105	Leadership: Black, White or Grey?

EMGN4989 Emergency Management Practicum

### **Term Two (Winter)**

EMGN4201 Cultivating Emergency Management Alliances

EMGN4203 From Risk to Resilience

EMGN4204 Recovery: Building the New Normal

EMGN4205 Managing Management

EMGN4989 Emergency Management Practicum

### **Term 3 (Spring/Summer)**

EMGN4301 Communicating Emergency Management

EMGN4303 Business Continuity Planning

EMGN4304 Exploiting the Potential of Technology

EMGN4305 Emergency Management in a Globalized World

Independent study and electives may be offered upon approval by the Program Coordinator.

### **Graduation Requirement:**

Students are required to achieve an overall average of 65% to be eligible to graduate with the Bachelor of Technology in Emergency Management.

## **toc: Bachelor of Science in Human Nutrition (Transfer)**

### **Bachelor of Science in Human Nutrition (Transfer)**

Cape Breton University offers courses in Nutrition, Chemistry, Biology, Microbiology, Mathematics, and Business, and social sciences and humanities electives that will generally allow students to complete the first two years towards a degree in Human Nutrition at other Universities in the Atlantic Region. Students interested in the Nutrition option are responsible for confirming with the institution at which they plan to finish the degree, the transferability of their CBU courses. Students wishing to complete an Honours BSc. in Human Nutrition, in a total of four years, must ensure with the receiving university that the courses stated below will allow this.

## **toc: Admission Requirements**

### **Admission Requirements**

Five grade 12 academic or advanced courses including English; Math; two of Biology, Chemistry, Geology, or Physics; one other academic or advanced course with an average of at least 65%. Pre-calculus Mathematics, Chemistry and Biology are recommended.

Students are responsible for ensuring that they have taken the pre-requisite course (s) for all CBU courses required for the Nutrition transfer option, prior to registration.

## **toc: Program Requirements**

### **YEAR I**

BIOL1101 Cell and Molecular Biology I



BIOL2203	Human Anatomy
CHEM1104	General Chemistry I
CHEM1105	General Chemistry II
MATH1109	Introductory Statistics I
NUTR1101	Community Nutrition <b>or</b> a non-Nutrition elective or additional Statistics course*
NUTR2107	Introduction to Sport Nutrition or a non- Nutrition elective*

\*\*Humanities or Social Science (9 credits required)

## YEAR II

BIOL3203	Human Physiology
CHEM2301	Introduction to Organic Chemistry I
CHEM2601	Introduction to Biochemistry I
*MGMT1601	Introduction to Business
MICR2101	Introductory Microbiology
NUTR2104	Introduction to Nutrition
***NUTR2106	Principles of Nutrition in Human Metabolism

\*\*Humanities or Social Science (9 credits required)

## **Please Note:**

\*Students entering into the Bachelor of Science in Human Nutrition (transfer) programme must contact Dr. Edward Barre for advising. Please contact his office at (902) 563-1921: or by email; [Ed\\_Barre@cbu.ca](mailto:Ed_Barre@cbu.ca)

\*\* Humanities: English, French, History, Religious Studies, Philosophy, Spanish, Celtic Studies.

\*\* Social Sciences: Anthropology, Sociology, Psychology, Economics, Political Science.

\*\* Students must have 12 credits (6 + 6 pair of social science - ie. 6 credits of 1000 level psychology plus another 6 credits of a different psychology at 2000 level or above) plus 6 credits of humanites **or** 12 credits of a humanites ( 6+6 pair of humanities) prior to entering their third year at another university. Students may choose from either 6 credit or 3 credit courses.

Students **must** be counselled by Dr. Barre before choosing any Humanities or Social Science course.

MICR2101 - *Introduction to Microbiology*

Offered in 2nd year of programme. Students are advised to register for MICR2101 for the Winter (Jan- April) term.

BIOL2203 and BIOL3203     *Human Anatomy and Human Physiology*

Students are strongly encouraged to register for BIOL2203 and BIOL3203 as soon as possible.

## **toc: School of Science and Technology**

### **School Of Science And Technology**

## **Disclaimer**

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

## **DAVID MCCORQUODALE, PhD - Dean**

The School of Science and Technology is the home of a wide variety of courses and programming in science, engineering and technology. The offerings include:

### **Bachelor of Science Degree**

- Four Year Honours, Four Year Major, Four Year Double Major and Three Year General:

Biology

Chemistry

Mathematics

Psychology

### **Bachelor of Science Community Studies Degree**

- concentrations in:

Biodiversity

Integrative Science

Psychology, Health and Environment

Bachelor of Technology Degrees

Emergency Management

Nautical Sciences

### **Bachelor of Engineering Degree - Transfer - options in:**

Chemical

Civil

Electrical and Computer

Environmental

Industrial

Materials

Mechanical

Mineral Resources

## **Bachelor of Engineering Technology Degree in:**

Bachelor of Engineering Technology (Electronics and Controls)

Bachelor of Engineering Technology (Environmental Studies)

Bachelor of Engineering Technology (Manufacturing)

Bachelor of Engineering Technology (Petroleum)

Engineering Technology Diploma in (co-op and non co-op options)

Electrical (Instrumentation & Controls) Engineering Technology

Mechanical Engineering Technology

Petroleum Engineering Technology

## **Certificates in:**

Petroleum Operations

Liquefied Natural Gas (LNG) Operations

CBU has developed several engineering facilities which allow the integration of leading-edge technology and education programs. A CAD/CAM Centre fosters applied research and development in the modern manufacturing sector and a CAD laboratory specializes in training in computer-aided drafting and design.

# **toc: Departments**

## **Departments**

### **Biology**

Chair, Sean Modesto, PhD

The Department of Biology delivers courses in Biology and MSIT for all degree programs. It includes Biology and Integrative Science faculty with primary responsibility for the BSc in Biology, the BScCS in Biodiversity and the BScCS in Integrative Science. The Department of Biology shares responsibility for the BScCS in Psychology, Health and Environment with the Department of Psychology.

### **Chemistry**

Chair, Adango Miadonye, PhD

The department offers CSC accredited four-year BSc Honours and BSc major programs in Chemistry. Three-year general BSc and BA degrees with a concentration in Chemistry are also available. Chemistry can be used as the first or second major in the BSc double major or BSc double major with honours degree programs.

### **Engineering**

Chair, Paul Standing, B.Tech, B.Sc

CBU houses the newest Engineering Department in the province and is second in size only to that at Dalhousie University. The department is responsible for the Engineering Transfer Diploma, Engineering Technology Diploma, Bachelor of Technology Degree and the Bachelor of Engineering Technology Degree programs.

### **Mathematics, Physics and Geology**

Chair, James Preen, PhD

The Department of Mathematics, Physics and Geology includes faculty in Mathematics, Physics and Geology with primary responsibility for the BSc in Mathematics.

## Psychology

Chair, Geoff Carre, PhD

The Department of Psychology focuses on the scientific study of mental processes and delivers a full range of courses for Psychology majors in the three- and four-year BA, BSc and BACS programs

## toc: Bachelor of Science

### Bachelor of Science

Three- and four-year degrees are available in Biology, Chemistry, Mathematics and Psychology. There are four different categories of BSc programs: the three-year general program, the four-year major program, the four-year honours program and the four-year double major program. Students may specialize in Biology, Chemistry, Mathematics or Psychology in either a three- or four-year BSc program.

Students may choose to enter any of the BSc program options when they begin their BSc. Those who begin in the three-year program may change to a four-year program at a later date, if they meet program requirements for average and grades. Students who begin in a four-year program must attain the required average and grades to remain in the program. Students planning to take a calculus course must write the Calculus Readiness Test.

## toc: Admission Requirements

### Admission Requirements

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or Pre-Calculus Mathematics with an overall average of at least 65%. **Recommended: Pre-Calculus Mathematics.**

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified. Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

**These regulations were accurate at the time of publication. Some changes are anticipated. Please check with the Dean's office for current regulations.**

## toc: Departmental Regulations

### Departmental Regulations

## toc: Biology

### Biology

**A three-year degree requires:**

#### **1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223.
- 6 credits MATH: To fulfill the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 plus 3 additional credits from any MATH course other than MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

#### **2. Biology Specialization - 36 credits**

- 18 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601
- 18 credits additional BIOLwith at least 9 credits at the 3000 level or higher.

### **3. Another Science - 12 credits**

- From a second discipline of science: CHEM, GEOL, MATH, MSIT, NUTR, PHYS or PSYC.

### **4. Free Electives - 24 credits**

### **5. An average of 60% in courses in Biology specialization in last two years of program.**

### **6. An average of 55% over the entire 90-credit program.**

### **7. 3 credits of Organic Chemistry must be included in one of the following categories: Science or free electives.**

## **A four-year degree with a Biology major requires:**

### **1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 PLUS 3 additional credits from any MATH course other than MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

### **2. Biology Major - 54 credits**

- 18 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601
- 36 credits additional BIOLcourses of which 21 credits must be at the 3000 level or higher, including at least 6 credits at the 4000 level.

### **3. Area of Minor - 12 credits**

- From a second discipline of science: CHEM, GEOL, MATH, MSIT, NUTR, PHYS, or PSYC.

### **4. Science Electives - 12 credits**

- Generally courses from BIOL, CHEM, GEOL, MATH, MSIT, NUTR, PHYS or PSYC are acceptable - some exceptions exist.

### **5. Free Electives - 24 credits**

### **6. An average of 65% in courses in Biology major in last three years of program.**

### **7. An average of 60% over the entire 120-credit program.**

### **8. 3 credits of Organic Chemistry must be included in one of the following categories: area of minor, science electives, or free electives.**

### **9. 3 credits of Statistics (one of MATH1109, MATH2106, or PSYC2101) are required.**

## **A four-year degree with a Biology major with honours requires:**

### **1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 PLUS 3 additional credits from any MATH course other than MATH1107,

MATH1208, , MATH1114, MATH1215 and MATH1216.

## **2. Biology Major - 54 credits**

- 24 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601, BIOL4900
- 30 credits additional BIOL courses of which 15 credits must be at the 3000 level or higher, including at least 6 credits at the 4000 level.

## **3. Area of Minor - 12 credits**

- From a second discipline of science: CHEM, GEOL, MATH, MSIT, NUTR, PHYS, or PSYC.

## **4. Science Electives - 12 credits**

- Generally courses from BIOL, CHEM, GEOL, MATH, MSIT, NUTR, PHYS, and PSYC are acceptable - some exceptions exist.

## **5. Free Electives - 24 credits**

## **6. An average of 75% in courses in Biology major in last three years of program.**

## **7. An average of 70% over the entire 120-credit program.**

## **8. 3 credits of Organic Chemistry must be included in one of the following categories: area of minor, science electives, or free electives.**

## **9. 3 credits of Statistics (one of MATH1109, MATH2106, or PSYC2101) are required.**

## **A four-year double major degree with Biology as the first major requires:**

### **1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 plus three additional credits from any MATH course other than MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

### **2. Biology Major - 54 credits**

- 18 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601.
- 36 credits additional BIOL courses of which 21 credits must be at the 3000 level or higher, including at least 6 credits at the 4000 level.

### **3. Area of Second Major - 36 credits**

- All from one science other than Biology (CHEM, GEOL, MATH, MSIT, NUTR, PHYS, or PSYC). If Math, then 6 credits of MATH in the core will be replaced by 6 credits of science electives.

\*Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

### **4. Free electives - 12 credits**

### **5. An average of 65% in courses in area of first major in last three years of program.**

### **6. An average of 60% in courses in area of second major in last three years of program**

### **7. An average of 60% over the entire 120 credit program.**

### **8. 3 credits of Organic Chemistry must be included in one of the following categories: area of**

**second major or free electives.**

**9. 3 credits of Statistics (one of MATH1109, MATH2106, or PSYC2101) must be included.**

**A degree with honours in the area of the first major and major in the area of the second major may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.**

## **toc: Chemistry**

### **Chemistry**

**A three-year degree requires:**

**1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

**2. Chemistry Specialization - 36 credits**

- 24 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501
- 12 credits additional CHEM with at least 6 credits beyond the 2000 level.

**3. Other Science - 12 credits**

- From a second discipline of science: BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC.

**4. Free Electives - 24 credits.**

**5. An average of 60% in courses in Chemistry specialization in last two years of program.**

**6. An average of 55% over the entire 90-credit program.**

**A four-year degree with a Chemistry major requires:**

**1. Core courses (18 credits)**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

**2. Chemistry Major - 54 credits**

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 27 credits additional CHEM to include 24 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines for Chemistry (organic, inorganic, analytical, physical, biochemistry).

**3. Area of minor - 12 credits**

- From a second discipline of science: BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC.

**4. Science electives - 12 credits**

- Generally courses from BIOL, CHEM, GEOL, MATH, NUTR, PHYS, and PSYC are acceptable.

**5. Free electives - 24 credits**

**6. An average of 65% in courses in Chemistry major in last three years of program.**

**7. An average of 60% over the entire 120-credit program.**

**8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 must be included in 2, 3, 4 or 5 above.**

**A four-year degree with a Chemistry major with honours requires:**

**1. Core courses (18 credits)**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

**2. Chemistry Major - 60 credits**

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 27 credits additional CHEM to include 24 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines of Chemistry (organic, inorganic, analytical, physical, biochemistry).
- 6 credits thesis (CHEM4900)

**3. Area of Minor - 12 credits**

- From a second discipline of science (BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC).

**4. Science Electives 12 credits**

- Generally courses from BIOL, CHEM, GEOL, MATH, NUTR, PHYS, and PSYC are acceptable.

**5. Free electives –18 credits.**

**6. An average of 75% in courses in Chemistry major in last three years of program.**

**7. An average of 70% over the entire 120-credit program.**

**8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 must be included in 2, 3, 4 or 5 above.**

**A four-year double major degree with Chemistry as the first major requires:**

**1. Core Courses (18 credits)**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

**2. Chemistry Major - 57 credits**

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 24 credits additional CHEM to include 24 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines of Chemistry (organic, inorganic, analytical, physical, biochemistry).
- 6 credits thesis (CHEM4900)



### **3. Area of Second Major - 36 credits**

- All from one science other than Chemistry (BIOL, GEOL, MATH, NUTR, PHYS, or PSYC). If Math, then 6 credits of Math in the core will be replaced by 6 credits of Science Electives.
- Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

### **4. Free Electives - 9 credits.**

### **5. An average of 65% in courses in Chemistry major in last three years of program.**

### **6. An average of 60% in courses in area of second major in last three years of program**

### **7. An average of 60% over the entire 120-credit program.**

### **8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 MUST be included in 2, 3, or 4 above.**

## **A four-year double major degree with Chemistry as the first major with honours requires:**

### **1. Core courses – 18 credits**

- 6 credits English at 1000 and /or 200 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

### **2. Chemistry Major – 57 credits**

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 24 credits additional CHEM to include 21 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines of Chemistry (organic, inorganic, analytical, physical, biochemistry).
- 6 credits thesis (CHEM4900)

### **3. Area of Second Major – 36 credits**

- All from one science other than Chemistry (BIOL, GEOL, MATH, NUTR, PHYS, or PSYC). If MATH, then 6 credits of mathematics in the core will be replaced by 6 credits of Social Science Electives.
- Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

### **4. Free electives – 9 credits**

### **5. An average of 75% in courses in Chemistry major in last three years of program.**

### **6. An average of 70 % in courses in area of second major in last three years of program.**

### **7. An average of 70% over the entire 120 credit program.**

### **8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 MUST be included in 2, 3 or 4 above.**

**A degree with honours in the area of the first major and major in the area of the second major may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.**

## **toc: Mathematics**

### **Mathematics**

## **Bachelor of Science – Three year**

### **1. Core Courses - (non-math) (12 credits)**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223

### **2. Mathematics - 36 credits**

- 21 credits - MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2208, and MATH2109
- 15 additional MATH credits with at least 12 credits at 3000 level or above (cannot use MATH1101, MATH1114, or MATH1215)

### **3. Other Science - 18 credits**

- All from one science other than Mathematics BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC
- Economics and/or Business courses will be considered science for this section.

OR

- 12 credits in one science (other than Mathematics) and 6 credits in another science (other than Mathematics).

### **4. Free Electives - (24 credits)**

### **5. An average of 60% in courses in Math specialization in last two years of program.**

### **6. An average of 55% over the entire 90-credit program.**

### **7. Computer proficiency must be shown using MATH1116.**

## **Bachelor of Science – Four year Major**

### **1. Core Courses - (non-math) (12 credits)**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223

### **2. Mathematics Major - 54 credits**

- 24 credits - MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2106, MATH2208, and MATH2109
- 30 additional MATH credits of which at least 24 credits must be at 3000 level or above with at least 9 credits at the 4000 level (cannot use MATH1101, MATH1114, MATH1216 or MATH1215).

### **3. Area of Minor - 18 credits**

- All from one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC)
- 12 credits in one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC) and 6 credits in another science (other than Mathematics). May be Economics or Business.
- Economics and/or Business will be considered science for this section.

### **4. Science Electives - 12 credits**

### **5. Free Electives - 24 credits**

### **6. An average of 65% in courses in Math major in last three years of program.**

### **7. An average of 60% over the entire 120-credit program.**

**8. Computer proficiency must be shown using MATH1116.**

**Bachelor of Science – Four year Major with Honours**

**1. Core Courses - 12 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223

**2. Mathematics Major - 54 credits**

- 6 credits - MATH4900
- 24 credits - MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2106, MATH2208, and MATH2109.
- 24 additional MATH credits of which at least 18 credits must be at 3000 level or above with at least 6 credits at the 4000 level not including MATH4900. (cannot use MATH1101, MATH1114, MATH1216 or MATH1215).

**3. Area of Minor - 18 credits**

- All from one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC)
- Economics and/or Business courses will be considered science for this section.

OR

- 12 credits in one science (other than Mathematics) and 6 credits in another science (other than Mathematics). May be Economics or Business.

**4. Science Electives - 12 credits**

**5. Free Electives - 24 credits**

**6. An average of 75% in courses in Math major in last three years of program.**

**7. An average of 70% over the entire 120-credit program.**

**8. Computer proficiency must be shown using MATH1116.**

**Bachelor of Science – Four year Double Major with Mathematics as First Major**

**1. Core Courses - 12 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223

**2. Area of First Major - 54 credits**

- 24 credits MATH: MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2106, MATH2208, and MATH2109.
- 30 additional MATH credits of which at least 24 credits must be at 3000 level or above with at least 9 credits at the 4000 level (cannot use MATH1101, MATH1114, MATH1216 or MATH1215).

**3. Area of Second Major - 36 credits.**

- At least 9 credits must be above 2000 level with at least 3 credits at the 4000 level.
- All from one science other than Mathematics. May be Economics or Business.
- The requirements for a second major in Mathematics are the same as those for the Mathematics requirements in the 3-year degree.

**4. Science Electives - 6 credits**

**5. Free Electives - 12 credits**

**6. An average of 65% in courses in area of first major in last three years of program.**

**7. An average of 60% in courses in area of second major in last three years of program**

**8. An average of 60% over the entire 120 credit program.**

**9. Computer proficiency must be shown using MATH1116.**

**A degree with honours in the area of the first major and major in the area of the second major may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.**

## **toc: Psychology**

### **Psychology**

#### **A three-year degree requires:**

**1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.

**2. Psychology Specialization (36 credits)**

- 18 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent, PSYC2101, PSYC2111, PSYC3101, and PSYC3213.
- 18 credits of other Psychology courses.

**3. Other Science - 12 credits**

- All from one science other than Psychology (BIOL, CHEM, GEOL, MATH, MSIT, NUTR, or PHYS).

**4. Free Electives - 24 credits**

**5. An average of 60% in courses in Psychology Specialization in last two years of program.**

**6. An average of 55% over the entire 90-credit program.**

**7. Computer proficiency met with PSYC3101.**

#### **A four-year degree with a Psychology major requires:**

**1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.

**2. Psychology Major - 54 credits**

- 27 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent, PSYC2101, PSYC2111, PSYC3101, PSYC3203, PSYC3211, PSYC3213, and PSYC4101.
- Other Psychology courses (27 credits): Should include at least 6 credits at the 4000 level in addition to PSYC4101.

- In the event that students do not have the Directed Study course, any 6 credits at the 4000 level are acceptable.

### **3. Area of Minor - 12 credits**

- All from one science other than Psychology (BIOL, CHEM, GEOL, MATH, MSIT, NUTR, or PHYS).

### **4. Science Electives - 12 credits**

### **5. Free Electives - 24 credits**

### **6. An average of 65% in courses in Psychology major in last three years of program.**

### **7. An average of 60% over the entire 120-credit program.**

### **8. Computer proficiency met with PSYC3101.**

## **A four-year degree with a Psychology major with honours requires:**

### **1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

### **2. Psychology Major - 60 credits**

- 33 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent, PSYC2101, PSYC2111, PSYC3101, PSYC3203, PSYC3211 PSYC3213, PSYC4101, and PSYC4900.
- 27 credits of other Psychology courses including at least 3 credits at the 4000 level in addition to PSYC4101 and PSYC4900).

### **3. Area of Minor - 12 credits**

- All from one science other than Psychology (BIOL, CHEM, GEOL, MATH, MSIT, NUTR, or PHYS).

### **4. Science Electives - 12 credits**

### **5. Free Electives - 18 credits**

### **6. An average of 75% in courses in Psychology major in last three years of program.**

### **7. An average of 70% over the entire 120-credit program.**

### **8. Computer proficiency met with PSYC3101.**

## **A four-year double major degree with Psychology as the first major requires:**

### **1. Core Courses - 18 credits**

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

### **2. Psychology Major - 54 credits**

- 27 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent ., PSYC2101, PSYC2111, PSYC3203, PSYC3211, PSYC3101, PSYC3213, and PSYC4101.

- 27 credits other Psychology courses including at least 6 credits in the core at the 4000 level in addition to PSYC4101).

### **3. Area of Second Major - 36 credits**

- All from one science other than Psychology. If Math, then 6 credits of Math in the core will be replaced by a 6 credit Science elective.

\* Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

### **4. Free Electives - 12 credits**

**5. An average of 65% in courses in area of first major in last three years of program.**

**6. An average of 60% in courses in area of second major in last three years of program.**

**7. An average of 60% over the entire 120 credit program.**

**8. Computer proficiency met with PSYC3101.**

**A degree with honours in the area of the first major and major in the area of the second major may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.**

## **toc: Standard for Proficiency in Computing**

### **Standard for Proficiency in Computing**

A student may satisfy the requirement for computer proficiency in the BSc in either of the following ways:

#### **Option 1**

Successful completion of a course of at least three credits devoted to a programming language in widespread use in scientific applications.

#### **Option 2**

Successful completion of one or more courses which provides instruction, including supervised laboratory experience, in a variety of software applications in widespread use in the scientific community. The list of applications covered should number at least three. Among acceptable applications are data analysis, computer algebra, database management, spreadsheet applications, web page design and presentation software. (This list is not to be regarded as exclusive, and can be expected to require periodic revision.) While the course or courses may also include brief introductions to word processing, email and Internet applications, appropriate to the intended audience, this introductory material will not satisfy the requirements above.

**Note:** Option 2 is not available to students whose subject of concentration is Mathematics. Students who have significant computing experience from other programs, work experience, private study or other non-traditional sources, will receive appropriate consideration and will not be unreasonably required to take further courses in this area. The Department of Mathematics, Physics and Geology will have a special responsibility for establishing and maintaining access to an assessment procedure for students claiming credit for such computing experience.

## **toc: BSc Community Studies**

### **Bachelor of Science Community Studies**

**ADMISSION TO THIS PROGRAM HAS BEEN SUSPENDED, PLEASE CONTACT THE SCHOOL OF SCIENCE AND TECHNOLOGY FOR MORE INFORMATION**

The four-year Bachelor of Science Community Studies program requires the successful completion of 20 courses (120 credits) including eight core curriculum courses (48 credits), seven area of concentration courses (42 credits), and five elective courses (30 credits). Students must also complete two work placements (voluntary or paid and each at least 120 hours); these do not count as credit courses in the BScCS.

## toc: Admission Requirements

### Admission Requirements

***ADMISSION TO THIS PROGRAM HAS BEEN SUSPENDED, PLEASE CONTACT THE SCHOOL OF SCIENCE AND TECHNOLOGY FOR MORE INFORMATION***

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or pre-calculus Mathematics with an overall average of at least 65%. **Recommended: Pre-calculus Mathematics.**

Students may substitute one open course for one advanced or academic course except where a particular course is specified. Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

**It is strongly recommended that students contact CBU's Student Advisors to discuss their two work placements within the first year of their program.**

### **CORE**

Courses in the core must include the following Community Studies (COMS) courses:

COMS1100      Analysis and Decision Making (6 credits)

COMS2100      Applied Research (6 credits)

COMS3100      Community Intervention (6 credits)

Other courses in the core must satisfy the following topic and credit requirements:

#### **1. Science and technology perspectives (6 credits)**

Recommended: PHIL2222 or equivalent

#### **2. World views and values (3 credits)**

Recommended: PHIL2123 or equivalent

#### **3. Aboriginal perspectives (3 credits)**

Recommended MIKM at 1000 or 2000 level or equivalent

#### **4. Business perspectives (3 credits)**

Recommended: MGMT1601, MRKT1301 or equivalent

#### **5. Public communication (3 credits)**

Recommended: COMM1103 or COMM1105

#### **6. Effective writing (6 credits)**

Recommended: two of ENGL1104, ENGL1106, ENGL1107, ENGL1108 and ENGL1109 or equivalent.

## **7. Computer literacy (3 credits)**

Recommended: PHIL1103, COMP1163, MGSC2101 or equivalent

## **8. Statistics (3 credits)**

Recommended: MATH1109, MGSC1108, PSYC2101 or equivalent

**Please contact either the Dean of Science and Technology or the Dean of Arts and Social Sciences for information on topic equivalents.**

## **Area of Concentration**

Courses in the area of concentration must include 18-24 credits from those deemed to be university sciences and six to eight term courses from those deemed to be technology. Overall, at least 15 credits must be at or beyond the 3000 level, including at least six at the 4000 level. The particular courses that make up an area of concentration are mandatory, with their identity varying according to the specific area of concentration in question.

## **Student's Electives**

The student's electives allow a student to take courses that will customize his or her academic experience to best suit his or her particular interests upon graduation. Course possibilities include all academic offerings at CBU, but choices made by each student must be approved by a dean or designated faculty member to ensure they appropriately complement a student's interests and/or program integrity. Five courses (30 credits) are required. Possibilities also exist for a student to receive a maximum of one year of accreditation for community college transfer or prior learning assessment (PLA), interested individuals should check with the Student Service Centre or Dean's office.

## **Work Placements**

The two required work placements must be arranged in consultation with a dean or a designated faculty member. These placements are over and above the 120 credits required to complete the program. CBU's Student Advisors, located in the Student Life Centre, will help arrange work terms and co-op placements for other degree and diploma programs, and will also provide assistance.

## **Graduation Eligibility**

A student requires an overall average of 60% to be eligible to graduate from the Bachelor of Science Community Studies.

# **toc: Departmental Regulations**

## **Departmental Regulations**

## **toc: BScCS Concentration in Toqwa'tu'kl Kjijitaqnn/Integrative Science**

## **BScCS Concentration in Toqwa'tu'kl Kjijitaqnn/MSITIntegrative Science**

***ADMISSION TO THIS PROGRAM HAS BEEN SUSPENDED, PLEASE CONTACT THE SCHOOL OF SCIENCE AND TECHNOLOGY FOR MORE INFORMATION***

Students wishing to enroll in this program must consult the Academic Vice Principal of Unama'ki College, the Chair of the Department of Indigenous Studies, the Dean of Science and Technology, the Dean of Arts and Social Sciences or the Student Service Centre for detailed program information.



## **PROGRAM DESCRIPTION**

Toqwa'tu'kl Kijijitaqnn requires successful completion of 120 credits plus two work placements in a science or science related environment. The overall degree structure consists of four parts and each part was designed to provide opportunities to learn science.

Toqwa'tu'kl Kijijitaqnn requires successful completion of the following courses:

### **1. Core (science via small group topic choice in Community Studies courses)**

- COMS1100 Analysis and Decision Making (6 credits)
- COMS2100 Applied Research (6 credits)
- COMS3100 Community Intervention (6 credits)
- Other courses in the core must satisfy the following topic and credit requirements:
- Science and technology perspectives (6 credits) Recommended: PHIL2222, or equivalent
- World views and values (3 credits) Recommended: PHIL2123 or equivalent
- Aboriginal perspectives (3 credits) Recommended MIKM at 1000; 2000 or 3000 level

### **2. Concentration**

Science - 24 credits

- MSIT1101/MSIT1103 Sense of Place, Emergence & Participation
- MSIT2101/MSIT2103 Ways of Knowing
- MSIT3101/MSIT3103 Cycles & Holism
- MSIT4101/MSIT4103 Wholeness

Technology 18 credits

- CHEM1104/CHEM1105
- 6 credits from MATH1107/MATH1208, or PHYS1102
- 3 credits from GEOL1103, PUBH2103, PUBH2105 OR
- 3 credits from PUBH3101, PUBH3103, PUBH4106, or PUBH4111.

### **3. Electives (science via student's choice)**

### **4. Work Placements (science via on-the-job experience)**

**Note: Changes to technology component are currently under review.**

## **ELECTIVES in MSIT**

MSIT courses may be used as electives within the BSc, BA, BACS and BBA degrees.

The Integrative Science courses were created for Toqwa'tu'kl Kijijitaqnn, to involve concurrent delivery of the Mi'kmaw world view and modern Western science, integrated at all levels. Their designation as MSIT (from the Mi'kmaw word MSIT, which means "everything together") refers to the holistic pedagogy which underpinned their creation, namely that education must utilize the whole mind while emphasizing relationships among the different dimensions of a human, between humans and nature and in nature. The common ground throughout all courses is "relationship", with attention paid to the understanding that a profound knowledge of relationships in nature was, and is, reflected in Mi'kmaw language and legends.

MSIT1101/MSIT1103 and MSIT2101/MSIT2103 are required in the first year. They provide students with the foundations needed to pursue further studies in modern science and to complement these foundations with understandings from the Aboriginal way of knowing. As such, they explore select aspects of the Mi'kmaw language and world view, current scientific thinking on consciousness, the major and unifying theories in natural science (cosmology, physics, chemistry, geology, biology), and the overall theoretical framework of modern natural science. MSIT1101/MSIT1103 emphasize the internal human environment, and MSIT2101/MSIT2103 the external human environment.

MSIT3101/MSIT3103 are required in third year; they explore cyclical and transformational dynamics of natural phenomena, both internal and external.

MSIT4101/MSIT4103 are required in fourth year; they explore wholeness and the health, disease, and healing dynamics of natural phenomena, both internal and external.

Additional, optional organism and ecosystem (biodiversity) MSIT courses exist at second and subsequent year levels. These are MSIT2505 and MSIT3105, and would be taken as student electives in the BScCS Toqwa'tu'kl Kijitaqnn.

**Note:** MSIT courses are open to all students, regardless of program or ethnicity. For purposes other than the BScCS Toqwa'tu'kl Kijitaqnn, MSIT1101, MSIT1103, MSIT2101, MSIT2103, MSIT3101, MSIT3103, MSIT4101, and MSIT4103 have been designated as science; MSIT2505, and MSIT3105 as Biology, and MSIT221 as Geology.

## **toc: Bachelor of Engineering Technology**

### **Bachelor of Engineering Technology**

Cape Breton University (CBU) has a well-earned reputation for excellence in the development and delivery of technological education. The culmination of our expertise in this area is reflected in the innovative Bachelor of Engineering Technology (BET) Degree.

The BET Degree program prepares students to successfully meet the challenges and opportunities facing today's technical graduates. This Degree is available in four distinct technical disciplines: 1) Electronics & Controls, 2) Environmental Studies, 3) Manufacturing and 4) Petroleum.

**Note:** The Bachelor of Engineering Technology degrees do not lead directly to a Professional Engineering designation.

## **toc: BET (Electronics & Controls)**

### **Bachelor of Engineering Technology (Electronics & Controls)**

Cape Breton University (CBU) has a well-earned reputation for excellence in the development and delivery of technological education. The culmination of our expertise in this area is reflected in the innovative Bachelor of Engineering Technology (BET) Degree.

The BET Degree program prepares students to successfully meet the challenges and opportunities facing today's technical graduates. This Degree is available in four distinct technical disciplines: 1) Electronics & Controls, 2) Environmental Studies, 3) Manufacturing and 4) Petroleum.

**Note: The Bachelor of Engineering Technology degrees do not lead directly to a Professional Engineering designation**

This degree program combines theoretical principles with hands-on experience and technical courses related to electronics, instrumentation and computer control industry. Aspects unique to electrical engineering, analog/digital design, industrial instrumentation/control, microelectronics and wireless systems are emphasized.

The BET (Electronics & Controls) degree is normally a three year (six academic term) program. Students wishing to start their careers early may choose to graduate with the Electrical Engineering Technology (Instrumentation and Controls) Diploma after successfully completing terms one to four.

## **toc: Admission Requirements**

### **Admission Requirements**

**High School Graduates:** Five Grade 12 advanced or academic courses including English and Mathematics, and two other sciences (Physics is recommended); with an overall average of at least 65%.

**Diploma/Degree Graduates:** Appropriately accredited community college diploma at the technologist level or university science degree in electrical/electronics and closely related programs only. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer

credits.

**Partially Completed Diploma/Degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

## toc: Program Requirements

### THREE – YEAR DEGREE (90 Credits)

**This format will NOT earn students the Diploma in Electrical Engineering Technology (Instrumentation & Controls)**

#### **51 credits core**

ELEC1161	Fundamentals of Electricity I 3 credits
ELEC1164	Fundamentals of Electricity II 3 credits
ELEC1165	Analog Electronics 3 credits
ELEC2163	Linear Integrated Circuits 3 credits
ELEC2165	Signals & Controls 3 credits
ELEC2166	Industrial Electronics Circuits 3 credits
ELEC2167	Machines and Controls 3 credits
ELEC2168	Programmable Logic Controllers 3 credits
ELEC2169	Technical Thesis 3 credits
ELEC2361	Process Measurements I 3 credits
ELEC2363	Process Measurements II 3 credits
ELEC2365	Process Controls II 3 credits
ENGI1161	Shop Practice 3 credits
ENGI1165	Engineering Graphics 3 credits
ENGI1168 or ENGI2101	Fluid Mechanics or Engineering Economics 3 credits
ENGI2167	Engineering Digital Logic 3 credits

#### **18 credits chosen from the following**

ELEC3161	Embedded Operating Systems 3 credits
ELEC3163	Digital Signal Processing 3 credits
ELEC3164	Microelectronics Design Tools 3 credits
ELEC3165	Applied Integrated Circuit Systems 3 credits
ELEC3166	Applied Wireless Systems 3 credits
ELEC3167	Medical Instrumentation 3 credits
ELEC3737	Selected Topics in Electronics 3 credits

#### **12 credits of Mathematics**

Choose either: MATH1107, MATH1208, MATH2104 and MATH2205 or MATH1105 and MATH1206.  
If students choose MATH1105 and MATH1206, an additional 6credits of electives must be earned. 12 credits

**9 credits of recommended electives**

PHYS1101 or PHYS1104 Elements of Physics or General Physics 3 credits

DRAF1163 Industrial Applications of Drafting 3 credits

COMM/ENGL Any Communication or English elective 3 credits

**THREE -YEAR DEGREE (102 credits)**

This degree format **ALSO** earns students the

***Electrical Engineering Technology Diploma (Instrumentation & Controls)***

**Year One (Fall/Winter)**

COMM/ENGL	Elective
COMP1163	Computer Applications
DRAF1163	Industrial Applications of Drafting
ELEC1161	Fundamentals of Electricity I
ELEC1164	Fundamentals of Electricity II
ELEC1165	Analog Electronics
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1165	Engineering Graphics
MATH1107	Math I
MATH1208	Math II
PHYS1101	Elements of Physics I
PHYS1201	Elements of Physics II

**Year Two (Fall/Winter)**

ENGI2167	Digital Logic
ELEC2163	Linear Integrated Circuits
ELEC2166	Industrial Electronic Circuits
ELEC2167	Machines and Controls
ELEC2168	Programmable logic Controllers
ELEC2169	Technological Thesis
ELEC2361	Process Measurements I
ELEC2363	Process Measurements II
ELEC2364	Process Controls I

ELEC2365	Process Controls II
MATH2104	Math III
MATH2205	Math IV

**Students wishing to start their careers early may choose to graduate with a diploma in Electrical Engineering Technology (Instrumentation and Controls) after successfully completing all courses to this point.**

### **Year Three (Fall/Winter)**

ELEC2165	Signals & Controls
ELEC3161	Embedded Operating Systems
ELEC3163	Digital Signal Processing
ELEC3164	Microelectronic Design Tools
ELEC3165	Applied Integrated Circuit Systems
ELEC3166	Applied Wireless Systems or ELEC3167 (Medical Instrumentation)
ELEC3737	Selected Topics
ENGI2101/ENGI2103	Engineering Economics or Technical Engineering Economics
MATH1109	Statistics
MATH1206 <b>or</b> ENGI1168	Differential and Integral Calculus <b>or</b> Fluid Mechanics/Hydraulics

### **Transfer Credit:**

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates, such that as few as 36 credits from CBU would be required to complete the BET Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU, or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

CBU has an agreement with the NSCC that allows entry into year two of the Electrical Technology Diploma Program for graduates of related Technician programs. Prospective students are encouraged to contact their college for information on the agreement with CBU or to contact CBU directly.

### **Electives:**

Selection of all electives must be done through prior consultation with a faculty advisor from the program.

### **Graduation Requirement:**

Residence Requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's required courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements previously noted in the Transfer Credit section, may allow special circumstances which differ from this minimum.

In the three year degree or two year diploma formats, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation. Graduation with a co-op designation requires successful completion of a minimum of two co-op work terms.

Note: Sequencing of some courses may vary from the format shown above. Students should consult current timetables for scheduling details

## toc: BET (Environmental Studies)

### Bachelor of Engineering Technology (Environmental Studies)

This degree program combines theoretical principles with the hands-on experience and technical courses related to the understanding of biological, chemical, geological and engineering principles applied to the environment. Aspects unique to assessment of the quality of air, water and soil; the management of pollutants and waste products and sustainable development are emphasized. The Bachelor of Engineering Technology (Environmental Studies) Degree is normally a three year (six academic term) program.

Graduates from this program have successful careers in engineering consulting, with all levels of government and industry and in various public corporations.

## toc: Admission Requirements

### Admission Requirements

**High School Graduates:** Five Grade 12 advanced or academic courses including English, Mathematics and two sciences (Physics and Chemistry are recommended, with an overall average of at least 65%). Environmental Science 12 may be used as the second science with biology, chemistry or physics.

**Diploma Graduates:** Graduate of an approved community college diploma at the technologist level or Cape Breton University Engineering Technology graduate. CBU has agreements with many colleges which allow students entry with **Advanced Standing**.

**Bachelor Degree Graduates:** Graduate of a 3 or 4 year BSc which includes \*MATH1105 (or equivalent) and CHEM1104 will be granted **Advanced Standing** in the BET Environmental Studies program at CBU.

\*MATH1105 or (MATH1101/1203) or (MATH1107/MATH1208/2104)

**Partially Completed and other Diploma/Degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

## toc: Program Requirements

### Three-Year Degree

#### Year One (Fall/Winter)

CHEM1104	General Chemistry I
CHEM1105	General Chemistry II
DRAF1163	Industrial Applications of Drafting
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
MATH1107	Math I
MATH1208	Math II
PHYS1101	Elements of Physics I
PHYS1201	Elements of Physics II
PUBH1101	Cell Processes and Environmental Effects

PUBH2101                      Municipal Services

**Year Two (Fall/Winter)**

BIOL2503                      Principles of Ecology

CHEM2404                      Environmental Chemistry

COMM/ENGL                      Elective

COMP1163                      Computer Applications

ENVI2161                      Air Pollution

ENVI2163                      Occupational Hygiene

GEOL2101                      Engineering Geology

GEOL3101                      Hydrogeology

MATH1109                      Introductory Statistics

MICR2101                      Introductory Microbiology

MICR3103                      Environmental Microbiology

PUBH4109                      Waste Management

**Year Three (Fall/Winter)**

ENGI2133/ENVI3136              Environmental Engineering or  
Engineering for Sustainable Development I

ENGI2101/ENGI2103              Engineering Economics or  
Technical Engineering Economics

ENVI3131                      Environmental Impact Assessment I

ENVI3133                      Environmental Impact Assessment II

ENVI3137                      Engineering for Sustainable Development II

ENVI3138                      Environmental Auditing

ENVI3831\*                      Environmental Research Project

PUBH4101                      Risk Assessment in Public Health

PUBH4107                      Quality and Environmental Project Management

XXX                      Elective

XXX                      Elective

\* (A three credit course taken over two academic terms)

Courses in terms five and six, as well as some electives, may be taken by distance (online).

**ADVANCED STANDING POST DIPLOMA FORMAT (36 CREDITS)**

Students who have a qualifying Diploma are required to complete 36 credits of specified course loading. Students should consult the Engineering Department for detailed course advising.

## **ADVANCED STANDING POST DEGREE FORMAT (42 CREDITS)**

Students who have a qualifying Bachelor's Degree are required to complete the following course loading. Students must take all 12 courses (36 credits) listed below. Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

ENVI2161	Air Pollution
ENVI2163	Occupational Hygiene
ENVI3131	Environmental Impact Assessment I
ENVI3133	Environmental Impact Assessment II
ENVI3137	Engineering for Sustainable Development
ENVI3138	Environmental Site Assessment
ENVI3831	Senior Project
ENGI2101	Engineering Economics
ENGI2133	Environmental Engineering
GEOL2101	Engineering Geology
PUBH2101	Municipal Services
PUBH4109	Waste Management

From the courses listed below, the student must also choose any 2 courses (6 credits). Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

CHEM2404	Environmental Chemistry
DRAF1163	Applied AutoCAD
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
GEOL3101	Hydrogeology
PUBH4101	Risk Assessment
PUBH4107	Environmental Project Management

Note: BET courses are offered on a fixed schedule. Some courses not in the mandatory list may cause conflicts in scheduling so not all optional courses may be available. Students are advised to consult the current timetable when making optional course selections to avoid any potential schedule conflicts.

### **Transfer Credit:**

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates, such that as few as 36 credits from CBU would be required to complete the BET Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU or to contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

### **Electives:**

Selection of all electives must be done through prior consultation with a faculty advisor from the program.

### **Graduation requirement:**

Residence requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's required courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements previously noted in the Transfer Credit section, may allow special circumstances which differ from this minimum.

For this three year program, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation.

Note: Sequencing of some courses may vary from the format shown above. Students should consult current timetables for scheduling details.

## **toc: BET (Manufacturing)**



# Bachelor of Engineering Technology (Manufacturing)

This degree program combines theoretical principles with the hands-on experience and technical courses related to the manufacturing industry. Aspects unique to mechanical engineering, design, materials properties, machines/robotics, along with quality, cost and human factors in manufacturing operations are emphasized. The program is available in a three year format.

The extraordinary quality of this program was nationally recognized for innovation by the 2003 Yves Landry Award, as Canada’s Top Manufacturing Program.

## toc: Admission Requirements

### Admission Requirements

Currently, applications will be accepted into the Manufacturing stage only, with the successful completion of an acceptable Technology diploma.

**PLEASE NOTE THAT THE MECHANICAL ENGINEERING TECHNOLOGY DIPLOMA PROGRAM IS CURRENTLY UNDER REVIEW. INTERESTED STUDENTS SHOULD CONTACT THE ENGINEERING DEPARTMENT FOR FURTHER INFORMATION. The Bachelor of Engineering Technology Degree (Manufacturing) remains available to graduates of acceptable Technology Diploma Programs.**

**High School Graduates:** Five Grade 12 advanced or academic courses including English and Mathematics and two sciences; (Physics is recommended) with an overall average of at least 65%.

**Diploma/Degree Graduates:** Appropriately accredited community college diploma at the technologist level or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits. Contact the department for details.

**Partially Completed Diploma/Degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering department.

## toc: Program Requirements

### THREE-year degree

#### Year One (Fall/Winter)

COMP1163	Computer Applications
DRAF1163	Industrial Applications of Drafting
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1163	Statics
ENGI1164	Strength of Materials
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
ENGI1166	Dynamics
MATH1107	Math I
MATH1208	Math II
PHYS1101	Elements of Physics I

PHYS1201 Elements of Physics II

**Year Two (Fall/Winter)**

COMM/ENGL	Elective
MECH2161	Thermodynamics
MECH2164	CAD/CAM I
MECH2167	Machine Design I
MECH2168	Heating Ventilation and Air Conditioning
MECH2133	Tools Fixtures and Gauging
MECH2134	Machine Design II
MECH2137	Geometric Tolerancing
MECH2165	Metallurgy
MECH2166	Fluid Power
MECH2169	Robotics/CIM
MATH2104	Math III
MATH2205	Math IV

Students wishing to start their careers early may choose to graduate with the Mechanical Engineering Technology Diploma after successfully completing all courses to this point.

**Year Three**

**POST DIPLOMA PROGRAM**

MANF3131	Total Quality Management
MANF3133	Statistical Process Control
MANF3134	Manufacturing Processes and Standards
MANF3135	Production Cost Control
MANF3136	Competitive Manufacturing Studies
MANF3137	People in Manufacturing
MANF3138	Product Synthesis
XXX	Recommended Elective
XXX	Recommended Elective
XXX	Recommended Elective

**ONE -year post-diploma format**

For Diploma graduates of CBU, or of institutions that have an articulation agreement with CBU, completion of Year Three is required.

**Transfer Credit:**

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates such that as few as 30 credits from CBU would be required to complete the BET

Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

**Electives:**

Selection of all electives must be done through prior consultation with a faculty advisor from the program

**Graduation Requirement:**

Residence requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements cited in the Transfer Credit section, may allow special circumstances which differ from this minimum.

- Diploma in Mechanical Engineering Technology: Successful completion of terms one to four.
- Degree in Bachelor of Engineering Technology (Manufacturing): Successful completion of terms one to six.
- Term five elective recommended: MATH1109 & COMM1105

**toc: BET (Petroleum)**

**Bachelor of Engineering Technology (Petroleum)**

This degree program combines theoretical principles with the hands-on experience and technical courses related to the offshore petroleum industry. Aspects unique to exploration, drilling, and production operations in the marine environment are emphasized. The program is available in a three year format.

**toc: Admission Requirements**

**Admission Requirements**

**High School Graduates:** Five Grade 12 advanced or academic courses including English, Mathematics and two other sciences; (Physics and Chemistry recommended) with an overall average of at least 65%.

**Diploma Graduates:** Graduate of an approved community college diploma at the technologist level or Cape Breton University Engineering Technology graduate. CBU has agreements with many colleges which allow students entry with **Advanced Standing**.

**Bachelor Degree Graduates:** Graduate of a 3 or 4 year BSc which includes \*MATH1105 (or equivalent) and CHEM1104 will be granted **Advanced Standing** in the BET Petroleum program at CBU.

\*MATH1105 or (MATH1101, MATH1203) or (MATH1107, MATH1208 MATH2104)

**Partially completed diploma/degree:** Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

**toc: Program Requirements**

**Three-Year Format**

**Year One (Fall/Winter)**

COMM / ENGL	Elective
COMP1163	Computer Applications
DRAF1163	Industrial Applications of Drafting
ENGI1161	Industrial Safety and Applied Shop Practices

ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
PETR1161	Drilling Engineering
PETR1131	Petroleum Product and Processing
MATH1107	Math 1
MATH1208	Math II
PHYS1101	Elements of Physics I
PHYS1201	Elements of Physics II

### **Year Two (Fall/Winter)**

ENGI1163	Statics
GEOL2101	Engineering Geology
MATH2104	Math III
PETR2131	Marine Environment Protection, Safety and Loss Control
PETR2134	Materials and Equipment Design
PETR2135	Production Engineering
PETR2161	Reservoir Engineering I
PETR2163	Petroleum Process Simulation
PETR2164	Advanced Process Simulation
PETR2165	Senior Petroleum Project
ELEC2168	Programmable Logic Controllers
PETR2731	Selected Topics

Students wishing to start their careers early may choose to graduate with the Petroleum Engineering Technology Diploma after successfully completing all courses to this point.

### **Year Three (Fall/Winter)**

ENGI2101	Engineering Economics or Technical Engineering Economics
MANF3131	Total Quality Management
MECH2166	Fluid Power
PETR3131	Management of Technological Innovation I
PETR3133	Project Design and Evaluation Techniques
PETR3134	Codes and Specifications in the Petroleum Industry
PETR3161	Management of Technological Innovation II
PETR3163	Process Control and Optimization Systems
PETR3164	Distributed Control Systems and PLC

XXX	Ethics Elective
XXX	Chemistry Elective

**Substitution:**

Note that ELEC2160 may be selected in place of both PETR3163 and one elective.

**ADVANCED STANDING POST DIPLOMA FORMAT (36 CREDITS)**

Students who have a qualifying Diploma are required to complete 36 credits of specified course loading. Students should consult the Engineering Department for detailed course advising.

**ADVANCED STANDING POST DEGREE FORMAT (42 CREDITS)**

Students who have a qualifying Bachelor's Degree are required to complete the following course loading. Students must take all 12 courses (36 credits) listed below. Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

GEOL2101	Engineering Geology
PETR1131	Petroleum Production
PETR1161	Drilling Engineering
PETR2135	Production Engineering
PETR2161	Reservoir Engineering
PETR2163	Process Simulation
PETR2165	Senior Project
PETR2731	Selected Topics
PETR3133	Project Design and Evaluation
PETR3161	Management of Technology II
PETR3163	Process Control
PETR3164	Distributed Control Systems

From the courses listed below, the student must also choose any 2 courses (6 credits). Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
ENGI2101	Engineering Economics
PETR2131	Marine Environmental Protection
PETR2134	Materials & Equipment
PETR3134	Codes and Specs

**Note:** BET courses are offered on a fixed schedule. Some courses not in the mandatory list may cause conflicts in scheduling so not all optional courses may be available. Students are advised to consult the current timetable when making optional course selections to avoid any potential schedule conflicts.

**Transfer Credit:**

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering

Technology Diploma graduates, such that as few as 36 credits from CBU would be required to complete the BET Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

**Electives:**

Selection of all electives must be done through prior consultation with a faculty advisor from the program.

**Graduation requirement:**

In the three year program, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation. Graduation with a co-op designation requires successful completion of a minimum of two co-op work terms.

Residence requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program’s required courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements previously noted in the Transfer Credit section may allow special circumstances which differ from this minimum.

Note: Sequencing of some courses may vary from the format shown above. Students should consult current timetables for scheduling details

**toc: Bachelor of Engineering Transfer Program (Engineering Diploma)**

**Bachelor of Engineering Transfer Program (Engineering Diploma)**

The Engineering transfer program is offered at CBU on an associate basis with Dalhousie University. CBU is one of the few associated universities to offer the first two years of all eight engineering disciplines which include; Chemical, Civil, Electrical & Computer, Environmental, Industrial, Mechanical, Material and Mineral Engineering.

The first year of the program is common for all eight discipline options. At the end of the first year the student must make a decision on a specialty. Application is made at this time to both CBU and Dalhousie for a seat in the particular discipline of choice.

During year two, the student is registered at both CBU and Dalhousie University. Providing the student satisfies the conditions in the acceptance letter at CBU for the specific year two discipline, continuation at Dalhousie University for year three of the four-year program is guaranteed.

Dalhousie engineering program regulations require a minimum of 2.00 GPA average in the 24 engineering courses taken at CBU.

Students should also be aware that a BSc in either Chemistry or Mathematics could be combined with the Engineering Diploma. This program requires three years of study at CBU, followed by two years at Dalhousie University.

Students in all Engineering options are required to write the Calculus Readiness Test for entry into the required MATH1105 or MATH1101 course. (See Calendar of Events) for exam times.

Please use the table below to calculate your GPA.

**GPA Grade Converter**

From	To	Grade	Grade pts
90	100	A+	4.3
85	89	A	4
80	84	A-	3.7

**toc: Admission Requirements**

BLOB SEEMS EXCEPTIONALLY LARGE???

From	To	Grade	Grade pts
77	79	B+	3.3
73	77	B	3
70	72	B-	2.7
65	69	C+	2.3
60	64	C	2
55	59	C-	1.7
50	54	D	1

CHEM1104	General Chemistry I
CHEM1105	General Chemistry II
ENGI1101	Introduction to Professional Engineering
ENGI1165	Engineering Graphics
ENGI1167	Engineering Statics
MATH	<sup>1</sup> (MATH1105/MATH1206 or <sup>2</sup> MATH1101/MATH1203/MATH1206)
MATH1116	Introduction to Computing with C++
PHYS1104	General Physics I
PHYS1204	General Physics II
6 credits	Humanities Elective (Writing Course)

### **Notes:**

The Calculus Readiness Test must be written prior to MATH1105 or MATH1101 registration to determine the appropriate Math stream.

(See Calendar of Events in the CBU Academic Calendar for test dates.) <http://www.cbu.ca/academics/school-science-and-technology/calculus-readiness>

- <sup>1</sup>MATH1105/MATH1206 is Differential and Integral Calculus I & II.
- <sup>2</sup>MATH1101/MATH1203 is Calculus with Elementary Functions and Geometry I & II.

## **Engineering Diploma, Year 2**

### **Courses Required (For all options)**

ENGI2101	Engineering Economics
ENGI2135	Engineering Design/Graphics
ENGI2166	Engineering Electric Circuits
ENGI2171	Thermo-Fluid Engineering I
MATH1204	Introduction to Matrix Algebra
MATH2106	Elementary Mathematical Statistics I
MATH2109	Multi-Variant Calculus
MATH2208	Differential Equations I

## **Program Requirements**

### **Year 1**

### **Courses Required (For all options)**

**Plus 3 Discipline Specific Courses as Indicated Below:****Chemical, Environmental and Materials Engineering**

ENGI2133	Environmental Engineering
ENGI2165	Fundamentals of Chemical Engineering
ENGI2174	Environmental Science

**Civil Engineering**

ENGI2169	Engineering Mechanics of Deformable Bodies
ENGI2173	Thermo-Fluid Engineering II
GEOL2101	Engineering Geology

**Electrical Engineering**

ENGI2167	Engineering Digital Logic
ENGI2168	Circuit Analysis
ENGI2174	Environmental Science

**Industrial Engineering**

6 credits from ; ENGI2167 / ENGI2168 / ENGI2165 / ENGI2133 / ENGI2163 / ENGI2173

3 credits from either GEOL2101 or ENGI2174

**Mechanical Engineering**

ENGI2163	Dynamics
ENGI2173	Thermo-Fluid Engineering II
ENGI2169	Engineering Mechanics of Deformable Bodies

**Mineral Resources Engineering**

ENGI2169	Engineering Mechanics of Deformable Bodies
GEOL2101	Engineering Geology
XXX (3cr)	Writing elective

**toc: Combined Programs****Combined Programs**

All students in any of the following programs (see below) are required to write the Calculus Readiness Test.



# **toc: BSc in Mathematics jointly with the Engineering Diploma**

## **BSc (Biology or Chemistry or Mathematics) jointly with the Engineering Diploma**

The three-year BSc degree in Biology or Chemistry or Mathematics can be combined with any option in the Engineering program, enabling the student to earn two degrees (BSc and BEng) in five years of study, three at CBU and two at Dalhousie. Where courses are listed specifically, they are required for one or both programs. Some changes can be made in the order of electives and core courses and in the division of 2000-level Engineering courses between years two and three.

### **YEAR ONE (combined with all Engineering Diploma options except Chemical)**

ENGI1165/ENGI1167

MATH1105/MATH1206 (or MATH1101/MATH1203/MATH1206)

MATH1116

PHYS1104/PHYS1204

English 6 credits

PHIL2221 or PHIL2223

### **YEAR ONE (combined with Engineering Diploma, Chemical)**

ENGI1165/ENGI1167

MATH1105/MATH1206 (or MATH1101/MATH1203/MATH1206)

MATH1116

CHEM1104, CHEM1105

PHYS1104/PHYS1204

English 6 credits

### **YEAR TWO (combined with Engineering Diploma, Biological)**

MATH2101

MATH2109/MATH2208

MATH2106/MATH1204

BIOL1101/BIOL1601

CHEM1104, CHEM1105

ENGI2101

ENGI2169 or GEOL1101/GEOL1201

3 credit free elective

### **YEAR THREE (combined with Engineering Diploma, Biological)**

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221, and PHIL2223

ENGI2164/ENGI2131

ENGI2166

6 credit elective

**YEAR TWO (combined with Engineering Diploma, Chemical)**

MATH2101

MATH2109/ MATH2208

MATH2106/ MATH1204

CHEM2301

ENGI2133/ENGI2131

6 credits elective

**YEAR THREE (combined with Engineering Diploma, Chemical)**

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 and PHIL2223

ENGI2164 / ENGI2165

ENGI2166

6 credits free elective

**YEAR TWO (combined with Engineering Diploma, Civil or Industrial)**

MATH2101

MATH2109 / MATH2208

MATH2106/MATH1204

CHEM1104, CHEM1105

ENGI2101

ENGI2163

3 credit free elective

**YEAR THREE (combined with Engineering Diploma, Civil)**

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 , PHIL2223

ENGI2164 / ENGI2131

ENGI2166

9 credits of electives

### **YEAR THREE (combined with Engineering Diploma, Industrial)**

6 credits Mathematics at 3000 level or above

MATH2101

MATH2103

PHIL2221 , PHIL2223

ENGI2164

ENGI2166

6 credits free elective (preferably in winter term)

### **YEAR TWO (combined with Engineering Diploma, Electrical)**

MATH2101

MATH2109 / MATH2208

MATH2106 / MATH1204

CHEM1104, CHEM1105

ENGI2167

ENGI2166 / ENGI2168

3 credit free elective

### **YEAR THREE (combined with Engineering Diploma, Electrical)**

6 credits Mathematics at 3000 level or above

MATH1217

MATH2103/MATH2211

PHIL2222

ENGI2164/ENGI2135

6 credit Social Science core requirement

### **YEAR TWO (combined with Engineering Diploma, Mechanical or Mining)**

MATH2101

MATH2109/MATH2208

MATH2106/MATH1204

CHEM1104, CHEM1105

ENGI2101/ENGI2169

ENGI2163

3 credit free elective

### **YEAR THREE (combined with Engineering Diploma, Mechanical or Mining)**

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 and PHIL2223

ENGI2164/ENGI2131

ENGI2166/ENGI2135

6 credits electives

### **YEAR TWO (combined with Engineering Diploma, Metallurgical)**

MATH2101

MATH2109/MATH2208

MATH2106/MATH1204

CHEM1104, CHEM1105

ENGI2101/ENGI2169

ENGI2135

3 credit free elective

### **YEAR THREE (combined with Engineering Diploma, Metallurgical)**

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 and PHIL2223

ENGI2164/ENGI2131

ENGI2166/ENGI2133

6 credits electives

**Caution:** Because of prerequisite arrangements in Mathematics, MATH1204 must be taken no later than the fourth semester. It is therefore NOT generally possible to complete the standard Engineering diploma, then spend an additional year to earn a BSc, in areas that require MATH1204.

## **toc: BSc Chemistry with Engineering**

### **BSc Chemistry with Engineering**

With the equivalent of three years of study, a student may satisfy the requirements for the BSc with specialization in Chemistry, as well as an Engineering Diploma (transfer program). In addition to engineering and other courses, it requires 36 credits of Chemistry with 9 credits at the 3000 levels or above.

#### **YEAR ONE**

MATH1105 (or MATH1101, MATH1203), MATH1206, MATH1116

CHEM1104, CHEM1105

PHYS1104, PHYS1204

ENGI1165, ENGI1167

#### **YEAR TWO and THREE**

MATH1204, MATH2106, MATH2208, MATH2109

CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2401, CHEM2501, CHEM2403; plus 9 credits at 3000 level or above.

ENGI2164, ENGI2165 (cross-listed as CHEM3401, can be counted as 3 credits at 3000 level), ENGI2166, ENGI2131, ENGI2133

### **Core Courses – 12 credits**

6 credits English 1000 and/or 2000 level

6 credits PHIL or HUMA/PHIL2222, or 3 credits HUMA/Social Science and 3 credits of a 2000 – level PHIL. PHIL2222 is highly recommended. A social science is ANTH, AN/S, ECON, POLS, SOCO or PSYC.

## **toc: BSc in Mathematics with Computing Science**

### **BSc in Mathematics with Computing Science**

Only Year One of Computer Science is offered.

#### **YEAR ONE**

MATH1105 (or MATH1101, MATH1203), MATH1206 (\*), MATH2101, MATH1204, MATH1116, MATH1217

6 credits English at 1000 and/or 2000 level

One full course equivalent in a Science other than Mathematics

#### **YEAR TWO**

MATH2103, MATH2109/MATH2208, 6 credits further in MATH

HUMA 3 credits

One semester of close cognates (MATH2211 recommended)

One full course equivalent in a Science other than Mathematics

One full course equivalent in the Social Sciences

(see NOTE below)

#### **YEAR THREE**

Three semesters of close cognate courses

Two semesters of Mathematics at the 3000-level or above

PHIL2222

One full course equivalent in a Science other than Mathematics

One full course equivalent in an Arts subject

MATH2211 and one of MATH1109 or MATH2106 should be included.

All students in this program are required to write the Calculus Readiness Test. In Bachelor of Computer Science, BSc (Mathematics) with Engineering or Computer Sciences and BSc (Chemistry) with Engineering, students entering with Mathematics 12 (academic) from Grade 12 or who do not meet the required standard on the required Calculus Readiness Test, should substitute MATH1101 and MATH1203 for MATH1105 and expect to complete MATH1206 at spring session after the first year.

## **toc: Diploma Programs**

## Diploma Programs

Some of the Bachelor of Engineering Technology Programs in the School of Science and Technology allow a diploma exit point for students who wish to enter the workforce prior to completing their degree. Diplomas are offered in Electrical Technology (Electronics and Controls), Mechanical Engineering Technology and Petroleum Engineering Technology.

## toc: Other Science Programs

### Other Science Programs

CBU offers courses in geology, physics, nutrition, and computing science that provide the foundation for a degree in those disciplines at other institutions. Each discipline has specific program requirements, so consult with the other institution about those specific program requirements.

For most B.Sc. degrees, two years of courses from CBU can be transferred to another institution. Be aware that CHEM1104/CHEM1105 and MATH1105/MATH1206 are the first year courses in chemistry and mathematics that are consistently recognized in other science programs.

## toc: Entry to Professional Programs Elsewhere

### Entry to Professional Programs Elsewhere

Many professional programs require or prefer an undergraduate degree, not necessarily a B.Sc., prior to entry (e.g. medicine, architecture). A CBU degree will provide an excellent starting point. Be sure to check with the other institution about specific course or other entrance requirements.

Science courses required for entry to pharmacy, physiotherapy and other health related professions are available at CBU. Again, be sure to consult with the other institution and confirm that you are taking the required courses. CBU students have a very good track record of being accepted and completing professional degrees at other institutions.

Be aware that CHEM1104/CHEM1105 and MATH1105/MATH1206 are the first year courses in chemistry and mathematics that are most widely accepted in other programs.

## toc: Certificate Programs

## toc: Certificate in Industrial Chemistry

### Certificate in Industrial Chemistry

#### Criteria to earn the 27-credit certificate:

1. Not a standalone certificate - may only be earned as part of a 4-year BSc Chemistry
2. Included in the degree program would be 15-credits core to the certificate: CHEM2401 (industrial); CHEM2404 (environmental); CHEM3401 (spectroscopy); CHEM3403 (separations); CHEM4404 (chemical instrumentation design/troubleshooting).
3. Students choose from 6-credits as:
  - a. Option 1 (if BSc Major in Chemistry), CHEM3404 (fundamentals of chemical engineering) AND CHEM4801 (independent project - with an industrial, petroleum, or environmental analyses focus) Independent study projects could have industrial partners/co-supervisors;
  - OR b. Option 2 (if BSc Honours in Chemistry), CHEM4900 (honours thesis with an industrial, petroleum, or environmental analyses focus). Thesis projects could have industrial partners/co-supervisors.
4. 6-credits from two successful 15-week co-op work terms (from SSTC1989, SSTC2989, SST3989). Unless proprietary, the work term final reports are to be graded by a CBU faculty/staff member and the employer - both to be approved by the CBU Department of Chemistry Chair. If proprietary, in advance of

the work term, the CBU Department of Chemistry Chair and the industrial project supervisor would agree on the appropriate person to grade the final report(s). In exceptional circumstances a work term may be held at CBU if: 1. On an industrial project; and 2. With co-supervision from the industrial partner.

## **toc: Certificate in Quantitative and Qualitative Psychology Research Methods**

### **Certificate in Quantitative and Qualitative Psychology Research Methods**

This certificate program provides a comprehensive opportunity to document learning about quantitative and qualitative research methods in psychology. These research methods can be applied in various fields such as business, nursing, education, and other disciplines. This certificate is only open to students currently in a degree program, and is awarded only in conjunction with a degree. Detailed information is available from the Department of Psychology, through the department chair.

#### **Criteria to earn the certificate:**

1. Not a standalone certificate - may only be earned as part of a 4-year BSc, BA or BACS Psychology.
2. Included in the degree program would be 18-credits core to the certificate:
  - PSYC1101 Introduction to Psychology as a Natural Science
  - PSYC1103 Introduction to Psychology as a Social Science
  - PSYC2101 Data Analysis
  - PSYC2111 Research Methods in Psychology
  - PSYC3101 Research Practicum in Psychology
  - PSYC3103 Qualitative Methods in Psychology
  - Average grade of 75% or higher across PSYC2101, PSYC2111, PSYC3101 and PSYC3103.
3. Original Research Requirement:
  - a. Option 1 PSYC4900 Honours Seminar and Thesis (6cr) OR
  - b. Option 2 (with prior approval from the Psychology Department), PSYC4800 or PSYC4801, Directed Study, 3 or 6 credits.OR
  - c. 120 hours minimum paid or volunteer research assistant in original research (must have prior approval of Psychology Department).

## **toc: Unama'ki College of Cape Breton University**

### **Unama'ki College of Cape Breton University**

#### **Disclaimer**

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any

student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

## **STEPHEN AUGUSTINE, MA, BA, - Principal**

Unama'ki College (formerly Mi'kmaq College Institute) of Cape Breton University strives to inform, research, teach and dialogue about the past and present realities of Aboriginal Nations, particularly, the Mi'kmaw First Nation. Unama'ki College provides, through its **Mi'kmaq Resource Center (MRC)** and **Mi'kmaq Language Lab**, exciting environments in which to participate in current projects and research involving collaboration with Indigenous peoples, locally, nationally and internationally. Aboriginal and non-Aboriginal students alike, are drawn to the College because of the opportunities afforded to students to participate in ongoing dialogues about contemporary Indigenous issues.

The full and part time faculty members of the Unama'ki College teach academic courses in **Mi'kmaq Studies** (language/culture; governance/history and linguistics) as well as in **MSIT / Integrative Science**. The Unama'ki College of Cape Breton University offers academic courses related to Aboriginal issues and language using three delivery methods:

1. Courses are delivered at the main CBU campus in Sydney;
2. Courses are delivered in First Nations communities by faculty who travel to communities;
3. Courses are delivered in First Nations communities, regardless of location, via video conferencing.

Go to [www.cbu.ca/unamaki](http://www.cbu.ca/unamaki) for up-to-date information on Unama'ki College.

## **toc: Mi'kmaq Resource Centre (MRC)**

### **Mi'kmaq Resource Centre (MRC)**

**Diane Chisholm, BA, Coordinator**

**(902)563-1660**

The Mi'kmaq Resource Centre is a repository of documents related to Mi'kmaq history, culture and language. The Centre houses books, doctoral theses, articles, reports, pamphlets and academic papers, as well as video and audio materials. The MRC's holdings also include the now defunct Mic Mac News, publications of the Royal Commission on Aboriginal Peoples, an extensive array of materials on Donald Marshall Jr.'s experiences in the justice system and papers related to Aboriginal issues donated by private sources.

The MRC has a small, though select, collection of items representing Mi'kmaq material culture over the past hundred years: examples of quill and beadwork, crooked knives, the waltzes game, items from the early 20<sup>th</sup> century tourist trade, and a variety of baskets. Additionally, the Centre has a display of stone artifacts and projectile points on loan from the Nova Scotia Museum. Our oval room may be used by groups to give presentations or show videos related to Mi'kmaq culture.

The Mi'kmaq Resource Centre welcomes students, educators, researchers and anyone with an interest in Mi'kmaki to use our facilities and extensive collection of materials. Research assistance is available.

The Mi'kmaq Resource Centre is located in the Beaton Institute in room CE 268.

## **toc: L'nui'sultimkeweyo'kom Mi'kmaq Language Lab**

### **L'nui'sultimkeweyo'kom Mi'kmaq Language Lab**

**Stephanie Inglis, PhD, Director**

**(902)563-1201; Lab: (902)563-1197**

The Mi'kmaw Language Lab is the primary centre of research activity at Unama'ki College. The Lab has partnerships with numerous Mi'kmaw educational authorities as well as academic institutions and is engaged in



several long term projects: Mi'kmaw pain words; the on-line talking Mi'kmaw dictionary as well as the on-line Mi'kmaw Language Center, known as JILAPTOQ [www.jilaptoq.ca](http://www.jilaptoq.ca).

The Language Lab engages and mentors Mi'kmaw undergraduate student researchers who are interested in working on Mi'kmaw language projects. The Language Lab also attracts linguistic graduate students from other universities and academics from North America interested in linguistic work on Algonquian languages.

## **toc: Indigenous Science Research Commons**

### **Indigenous Science Research Commons**

The Integrative Science Research Commons is the primary centre of Indigenous Science research activity at Unama'ki College. The Integrative Science Research Commons is under the auspices of Dr. Cheryl Bartlett, Tier1 Canada Research Chair in Integrative Science. Integrated Science/MSIT courses are taught using the Integrative Science Research Commons.

## **toc: Indigenous Students Commons**

### **Indigenous Students Commons**

One of the key and most visible spaces within Unama'ki College is the **Indigenous Students Commons** in all its various aspects: physical components (computers, kitchenette, etc.), academic ambiance (proximity to faculty and staff, study space, etc.) and comforting, reconfirming culture space.

## **toc: Department of Indigenous Studies**

### **Department of Indigenous Studies**

#### **Chair, Rod Beresford BSc, MSc**

The Department of Indigenous Studies of Unama'ki College brings together full and part-time faculty members involved in the teaching and development of university courses within the disciplines of **Mi'kmaq Studies** and **MSIT /Integrative Science**.

**Mi'kmaq Studies** as a discipline, examines aspects of Mi'kmaw culture including language, governance, spirituality and contemporary social issues. It offers 22 courses within the discipline of Mi'kmaq Studies and the courses are organized into two main streams: 'language and culture' and 'governance and history'. Courses are open to all students enrolled at Cape Breton University. Students may obtain a BA/BACS Major or Minor in Mi'kmaq Studies or may simply wish to take a few courses as electives within the BA, BACS or BBA Degrees. Mi'kmaq Studies courses are often of interest to students who plan to pursue careers in Law, Medicine, Social Work, Teaching or Anthropology.

**Integrative Science** brings together scientific knowledge and ways of knowing from Indigenous and Western worldviews to provide science education. This "bringing knowledge together" is known as *Toqwa'tu'kl Kijijitaqnn* in the Mi'kmaq language and as "Two-Eyed Seeing" in the words of Mi'kmaq Elder, Albert Marshall. "Two-Eyed Seeing" is more than a label, it is a powerful reminder of the Integrative Science program's visionary goal of learning to see from our one eye with the strengths of Indigenous knowledges and from our other eye with the strengths of mainstream scientific knowledges and to use these together for the benefit of all. The Integrative Science program works to achieve such "Living Knowledge for the 21st Century" through learning opportunities in classrooms, laboratories, outdoors, community workshops and work placements. Bachelor of Science Community Studies (BScCS): Integrated Science/Toqwa'tu'kl Kijijitaqnn, offers a unique Bachelor of Science Community Studies (BScCS) four year undergraduate degree, with a concentration in Integrative Science/Toqwa'tu'kl Kijijitaqnn.

Please see the School of Arts and Social Sciences for Mi'kmaq Studies Departmental Regulations

## **toc: Mi'kmaq Studies**

## Mi'kmaq Studies

1. BA/BACS: Concentration, Major and/or Minor (Mi'kmaq Studies)
2. Electives: BA/BACS/BBA (Mi'kmaq Studies)
3. BScCS: Concentration (Integrated Science/*Toqwa'tu'kl Kijijitaqnn*)
4. Electives: (MSIT)
5. Mi'kmaq Studies as teachables for the BEd

### **MI'KMAQ STUDIES COURSES AS TEACHABLES FOR THE BEd**

MI'KMAQ STUDIES courses are recognized as a teachable for application to Nova Scotia BEd Programs.

#### **NOTE:**

For purposes other than the BScCS *Toqwa'tu'kl Kijijitaqnn*, MSIT1101, MSIT1103, MSIT2101, MSIT2103, MSIT3101, MSIT3103, MSIT4101 and MSIT4103 have been designated as science;

### **THREE YEAR BA/BACS, CONCENTRATION in MI'KMAQ STUDIES**

The three-year BA/BACS, concentration in Mi'kmaq Studies, requires completion of 15 courses (90 credits).

<b>BA</b>	<b>BACS</b>
5 core courses (30 credits)	4 core courses (24 credits)
5 electives (30 credits) any discipline	3 electives (18 credits) any discipline
5 courses (30 credits) in MI'KMAQ STUDIES	4 courses (24 credits) Career
	4 courses (24 credits) in MI'KMAQ STUDIES
(See following departmental requirements.)	(See following departmental requirements.)

### **CONCENTRATION IN MI'KMAQ STUDIES**

MIKM1100 (6 credits)	Compulsory
MIKM1102 (6 credits)	Compulsory BA, Optional BACS
(6 credits) of Mi'kmaq Studies at the 2000/3000 level*	Choice from language/culture
(6 credits) of Mi'kmaq Studies at the 3000/4000 level*	Choice from governance/history
MIKM4100 (6 credits)	Compulsory

\*Students may not take 3000/4000 level courses without completing six credits at the 1000/2000 level.

### **4-Year BA/BACS, MAJOR in MI'KMAQ STUDIES**

There are three Major programs available within the BA/BACS degrees: Major/Minor; Double Major; Area Major. Students who wish to pursue any of the three BA/BACS Majors in Mi'kmaq Studies must choose between two streams of study:

- I. MI'KMAW LANGUAGE AND CULTURE
- II. MI'KMAW GOVERNANCE

Students may enter the major program when they begin the BA/BACS program or they may begin in the three-year program and apply to enter the major program at a later date. The following regulations apply to students seeking admission to the BA/BACS Major in Mi'kmaq Studies:

- A student in good academic standing who has achieved an average of at least 60% is eligible for admission to the BA/BACS Major in Mi'kmaq Studies. Students who opt for the four-year degree, from

the beginning of their program, must maintain a 60% average to remain in the program.

- An average of 65% in years three and four are required to earn a BA/BACS Major in Mi'kmaq Studies
- A minimum average of 65% is required in the Mi'kmaq Studies courses offered towards the major.

### **BA/BACS MAJOR in MI'KMAQ STUDIES / MINOR IN RELATED SUBJECT**

Core courses: BA/BACS five courses (30 credits)

Electives, any discipline: BA four courses (24 credits), BACS three or four courses (24/30 credits)

MINOR, any discipline: BA three courses (18 credits), BACS three or four (24/30 credits)

Directed studies/ thesis option: BA (6 credits) MIKM4800 OR MIKM4900, BACS COMS4100

### **MAJOR: MI'KMAQ STUDIES BA**

seven courses (42 credits), BACS seven or eight courses (42 or 48 credits)

(See the following departmental requirements.)

### **MAJOR in MI'KMAW GOVERNANCE with a MINOR**

MIKM1100	(6 credits)	Compulsory
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MIKM1102	(6 credits)	Compulsory
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MIKM2220	(6 credits)	Compulsory
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MIKM3120*	(6 credits)	Compulsory
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MIKM	BA 12 credits, BACS 18 credits:	Choice 3000/4000* level:
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must be from government / history

MIKM	BA/BACS 6 credits:	Choice 3000 / 4000* level:
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must be from the language / culture

\*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **MAJOR in MI'KMAW LANGUAGE & CULTURE with a MINOR**

MIKM1100	(6 credits)	Compulsory
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MIKM1102	(6 credits)	Compulsory
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MIKM2113/MIKM2213 and MIKM2114/MIKM2215	(12 credits)	Compulsory
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MIKM3140* and MIKM3141/MIKM3143*	(12 credits)	Compulsory
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MIKM4800* or MIKM4900*	(6 credits) directed studies/thesis option	Compulsory
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MIKM	BA 6 credits, BACS MIKM 6 or 12 credits	Choice from 3000/4000* level courses
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\*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **BA/BACS Double Major: FIRST MAJOR in MI'KMAQ STUDIES/SECOND MAJOR in related subject**

Core courses: BA/BACS five courses (30 credits)

Electives, any discipline: BA four courses (24 credits), BACS three or four courses (24/30 credits)

MINOR, any discipline: BA three courses (18 credits), BACS three or four courses (24/30 credits)

Directed studies/ thesis option: BA (6 credits) MIKM4800 OR MIKM4900, BACS (6 credits) COMS4100

SECOND MAJOR: BA four courses (24 credits), BACS four or five courses (24 or 30 credits)

FIRST MAJOR: MI'KMAQ STUDIES: BA seven courses (42 credits), BACS seven or eight courses (42 or 48 credits)

(See following departmental requirements.)

### **DOUBLE MAJOR with 1<sup>st</sup> MAJOR: MI'KMAW GOVERNANCE**

#### **BA/BACS**

MIKM1100	(6 credits)	Compulsory
MIKM1102	(6 credits)	Compulsory
MIKM2220	(6 credits)	Compulsory
MIKM3120*	(6 credits)	Compulsory
MIKM4100*	(6 credits)	Compulsory
MIKM	(6 credits)	Choice MIKM2101/MIKM2103 or MIKM2114/MIKM2215
MIKM	(6 credits)	Choice any 2000/3000*/4000* level course

#### **BACS**

MIKM	(6 credits)	Choice any 2000/3000*/4000* level course
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### **DOUBLE MAJOR with 1<sup>st</sup> MAJOR: MI'KMAW LANGUAGE & CULTURE**

#### **BA/BACS**

MIKM1100	(6 credits)	Compulsory
MIKM1102	(6 credits)	Compulsory
MIKM3000*	(6 credits)	Choice (MIKM3630* + 3 credits) is recommended
MIKM3140*	(6 credits)	Compulsory
MIKM4140*	(6 credits)	Compulsory
MIKM4100*	(6 credits)	Compulsory

#### **BACS**

MIKM	(6 credits)	Choice any 2000/3000*/4000* level course
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\*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **BA/BACS Area Major MI'KMAQ STUDIES**

The three area majors are generally chosen from three closely related disciplines.

Core courses: BA/BACS five courses (30 credits)

Electives, any discipline: BA four courses (24 credits), BACS two courses (12 credits)

Directed studies/ thesis option: BA (6 credits) MIKM4800 OR MIKM4900\*, BACS COMS4100

Third Major: BA three courses (18 credits), BACS four courses (24 credits)

Second Major: BA/BACS four courses (24 credits)

First Major: MI'KMAQ STUDIES: BA/BACS four courses (24 credits)

See following departmental requirements.

### **AREA MAJOR with FIRST MAJOR: MI'KMAW GOVERNANCE**

#### **BA/BACS**

MIKM1100	(6 credits)	Compulsory
MIKM2220	(6 credits)	Compulsory
MIKM3120*	(6 credits)	Compulsory
MIKM4500*	(6 credits)	Compulsory

### **AREA MAJOR with FIRST MAJOR: MI'KMAW LANGUAGE & CULTURE**

#### **BA/BACS**

MIKM1100	(6 credits)	Compulsory
MIKM1102	(6 credits)	Compulsory
MIKM3140*	(6 credits)	Choice (MIKM3630* + 3 credits) is recommended
MIKM4140*	(6 credits)	Compulsory
MIKM4100*	(6 credits)	Compulsory

#### **BACS**

MIKM	(6 credits)	Choice any 2000/3000*/4000* level course
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\*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

### **Four Year BA, MINOR in MI'KMAQ STUDIES**

A minor in Mi'kmaq Studies is an excellent option to consider if students are pursuing one of the following Majors: Political Science, Anthropology, Sociology, Communication or Folklore.

A minor in MI'KMAQ STUDIES is made up of 18 credits in Mi'kmaq Studies.

6 credits	MIKM1100	Compulsory
6 credits	MIKM2120, MIKM2220, MIKM3120*, MIKM2222*	Choice (Mi'kmaq governance)
6 credits	MIKM1102; MIKM2110 or MIKM2114; MIKM3140*; MIKM3245*; MIKM3141* or MIKM3145*	Choice (Mi'kmaq language & culture)

\*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level

### **ELECTIVES in MI'KMAQ STUDIES**

Mi'kmaq Studies courses may be used as electives within the, BA, BACS and BBA and as free electives in the BSc degrees as well as part of the BEng transfer program (writing courses only).

## **toc: BScCS Concentration in Toqwa''tu''kl**

# Kjijitaqnn/Integrative Science

## BScCS Concentration in Toqwa'tu'kl Kjijitaqnn/Integrative Science

Students wishing to enroll in this program must consult the Academic Vice Principal of Unama'ki College, the Chair of the Department of Indigenous Studies, the Dean of the School of Science and Technology, the Dean of the School of Arts and Social Sciences, or the Student Service Centre for detailed program information.

### **PROGRAM DESCRIPTION**

Toqwa'tu'kl Kjijitaqnn requires successful completion of 120 credits plus two work placements in a science or science-related environment. The overall degree structure consists of four parts and each part was designed to provide opportunities to learn science.

Toqwa'tu'kl Kjijitaqnn requires successful completion of the following courses:

#### **1. Core** (science via small group topic choice in **Community Studies** courses)

- COMS1100 Analysis and Decision Making (6 credits)
- COMS2100 Applied Research (6 credits)
- COMS3100 Community Intervention (6 credits)
- Other courses in the core must satisfy the following topic and credit requirements:
- Science and technology perspectives (6 credits) Recommended: PHIL2222, or equivalent
- World views and values (3 credits) Recommended: PHIL2123 or equivalent
- Aboriginal perspectives (3 credits) Recommended MIKM at 1000; 2000 or 3000 level

#### **2. Concentration**

Science - 24 credits

- MSIT1101/MSIT1103 Sense of Place, Emergence & Participation
- MSIT2101/MSIT2103 Ways of Knowing
- MSIT3101/MSIT3103 Cycles & Holism
- MSIT4101/MSIT4103 Wholeness

Technology 18 credits

- CHEM1104/CHEM1105
- 6 credits from MATH1107/MATH1208, or PHYS1102
- 3 credits from GEOL1103, PUBH2103, PUBH2105, or
- 3 credits from PUBH3101, PUBH3103, PUBH4106, or PUBH4111.

#### **3. Electives** (science via student's choice)

#### **4. Work Placements** (science via on-the-job experience)

**Note: Changes to technology component are currently under review.**

### **ELECTIVES in MSIT**

MSIT courses may be used as electives within the B.Sc, BA, BACS and BBA degrees.

## toc: Unama'ki College Student Services

### Unama'ki college student services

#### Mi'kmaq Student Services

**Patrick Johnson, BA, (902) 563-1415**

Mi'kmaq Student Services of Unama'ki College is a student support system for all Mi'kmaq and Aboriginal

students enrolled in courses at the University. Services range from academic counselling to assistance for Mi'kmaq students applying for post-graduate studies. The Mi'kmaq Student Advisor acts as a liaison for all Mi'kmaq and Aboriginal students with faculty and staff of the institution, educational counsellors from First Nation Communities and Mi'kmaq organizations, as well as the Department of Indian and Northern Affairs. Mi'kmaq Student Services also provides information regarding selection of programs, admission requirements and career options available to potential and current Aboriginal students of CBU. It is located within the Unama'ki College.

## Aboriginal Academic Support Programming

Leanne Simmons, MEd, Program Director

(902)563-1240

Ann Denny, BBA, Aboriginal Community Liaison

(902)563-1402

The Program Director for Aboriginal programs works closely with Mi'kmaq and other First Nations communities to see that their educational needs are addressed. Several programs that have emerged through contacts with Aboriginal communities: Elmitek (first year university access, in community, for First Nations students), the Mi'kmaq Science Advantage (MSAP) initiative and the **modularized BA and BBA programs which are delivered in Aboriginal communities.**

**Elmitek (BA Degree)** is a one-year post-secondary program designed for Mi'kmaq students who wish to further their education by attending university. "Elmitek", a Mi'kmaq expression for showing someone a path to follow, succinctly explains the program to its Aboriginal participants, many of whom use English as a second language. Elmitek points to a path that students may travel toward successful completion of a University education. The Elmitek Program is designed to make the transition into the University environment less traumatic and more successful for Aboriginal students. Their ranks are comprised of newly graduated high school students and mature students who have not been in a formal education system for several years. The Elmitek program utilizes several methods to make post-secondary education more accessible:

- Several classes are offered in First Nations Communities.
- During the first year, students are required to attend classes at the CBU campus only one day per week.
- Workshop sessions are scheduled to prepare students for their classes and assignments.
- A co-ordinator may be assigned to maintain close contact with and to support students at each site.

**Mi'kmaq Science Advantage Program (MSAP)** is a science path which starts at the secondary level and continues to at least year one of post-secondary studies. A linkage between secondary school science courses and preparation for science degree or diploma options is the central focus of the Mi'kmaq Science Advantage Program (MSAP). The goal of MSAP is to provide Mi'kmaq students with the ability to succeed in a science or technology program. This is accomplished by providing academic support in a culture and science curriculum with small classes and community involvement and delivery. The first year of MSAP provides a solid foundation in science, as students take some of the courses that are offered in science and technology programs. After completing MSAP, students continue in either science or technology as appropriate to their interests and goals. MSAP also provides feedback and recommendations to improve Mi'kmaq secondary science and math programs.

## ACCT1203

### INTRODUCTION TO ACCOUNTING I

#### Credits: 3

#### Exclusions:

Unavailable to students with credit for BUSS121.

A BBA core requirement. The course introduces students to financial statements emphasizing the need for business persons to understand and interpret the information contained therein. The various forms of business organization are identified and an understanding of the accounting process will be developed.

Topics such as control of cash, receivables, inventory and capital assets will be examined in some detail.

## **ACCT1204**

### **INTRODUCTION TO ACCOUNTING II**

**Credits: 3**

**Prerequisite:**

ACCT1203

**Exclusions:**

Unavailable to students with credit for BUSS122.

A BBA core requirement. An introduction to managerial accounting covering such topics as cost behaviour, cost volume profit analysis and relevant costs for decision making. As well, an analytical approach to financial statements utilizing cash flows and ratios.

## **ACCT2203**

### **APPLIED ACCOUNTING**

**Credits: 3**

**Prerequisite:**

ACCT1203.

**Exclusions:**

Unavailable to students with credit for BUSS221.

The course applies the accounting theory developed in introductory accounting to realistic business situations. It is a practical course for any business student. An accounting case, comprising a full year of business transactions, is completed using spreadsheets and computerized accounting software packages. HST, WCB, payroll, various forms and filing requirements are discussed and prepared. The course is completely project based. Significant course time is spent using computer applications.

## **ACCT3206**

### **INTERMEDIATE FINANCIAL ACCOUNTING I**

**Credits: 3**

**Prerequisite:**

ACCT1204 with a grade of at least 60%.



**Exclusions:**

Unavailable to students with credit for BUSS325

A study of accounting theory and procedures involved in the valuation of resources, obligations and income determination for financial statement presentations in Canada.

**ACCT3207****INTERMEDIATE FINANCIAL ACCOUNTING II****Credits: 3****Prerequisite:**

ACCT3206

**Exclusions:**

Unavailable to students with credit for BUSS326

A continuation of ACCT3206, which includes an in-depth consideration of specific accounting topics. The focus is current CICA recommendations and international standards.

**ACCT3208****PLANNING AND CONTROL****Credits: 3****Prerequisite:**

ACCT1204, FINC2401 or permission of instructor

**Exclusions:**

Unavailable to students with credit for BUSS323.

This course covers both the concepts and techniques of planning and control. It is a primarily case-based course that incorporates both managerial and financial accounting decision making. Students will build on concepts studied in 1203 and 1204 and adapt them to a combination of structured and unstructured business scenarios. A major focus of the course will be the enhancement of teamwork, analytical and decision-making skills.

**ACCT4201****COST ACCOUNTING****Credits: 3**

**Prerequisite:**

ACCT3208 or BUSS321 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BUSS421.

The concepts and techniques of modern cost accounting including cost behaviour and profit-volume relationships, standard costs, budget flexibility and cost structures for control and motivation are explored in this course. Material relating to ISO 9000 and actively based costing are also examined.

**ACCT4205****ACCOUNTING THEORY****Credits: 3****Prerequisite:**

ACCT3207 or permission of the instructor

**Exclusions:**

Unavailable to students with credit for BUSS424.

An introduction to the structure of accounting theory including a study of accounting standards, their history and underlying theory

**ACCT4206****ADVANCED FINANCIAL ACCOUNTING I****Credits: 3****Prerequisite:**

ACCT3207 or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for BUSS425.

A study of the accounting theory of intercorporate investments, business combinations, consolidations, consolidated financial statements, segment reporting and foreign operations.

**ACCT4207****ADVANCED FINANCIAL ACCOUNTING II**

## **Credits: 3**

### **Prerequisite:**

ACCT4206.

### **Exclusions:**

Unavailable to students with credit for BUSS426.

Price level accounting, current value accounting, partnerships, fiduciary accounting, accounting for business in financial difficulties, non-profit and government accounting.

## **ACCT4208**

### **AUDITING**

## **Credits: 3**

### **Prerequisite:**

ACCT3207 or permission of the instructor.

### **Exclusions:**

Unavailable to students with credit for BUSS427.

What is the function of auditing in our society? Course imparts answers to this question by describing professional standards and ethics, legal liability, planning and conducting audits with an emphasis on the importance of internal control and the meaning behind the auditor's report. Presentations and participation are integral parts of the course.

## **ACCT4209**

### **TAXATION I**

## **Credits: 3**

### **Prerequisite:**

ACCT1204.

### **Exclusions:**

Unavailable to students with credit for BUSS451.

Examines the Canadian tax system with emphasis on the determination of personal income tax utilizing computer software tax packages.

## **ACCT4211**

## **TAXATION II**

**Credits: 3**

### **ACFT4211**

## **TAXATION II**

**Credits: 3**

### **AN/S1200**

## **INTRO TO ANTHROPOLOGY & SOCIOLOGY**

**Credits: 6**

**Prerequisite:**

**Exclusions:**

A student with previous credit for introductory anthropology or sociology should not enroll in 1200. Unavailable to students with credit for AN/S110.

An integrated survey of cultural anthropology and sociology, showing and explaining the variety of humans' life-strategies through time and across cultures and introducing key theories and research approaches. Satisfies the Group three, BA core requirement but is open to all degree students. 1200 satisfies the prerequisite for all 2000- and 3000-level courses in AN/S and ANTH and SOCO.

### **AN/S2107**

## **DEVIANCE IN CROSS-CULTURAL PERSPECTIVE**

**Credits: 3**

### **AN/S2200**

## **HUMANKIND:NATURE & DEVELOPMENT**

**Credits: 6**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S220.

Developmental and comparative perspectives on human nature, showing how natural and social sciences interface in explaining the interplay of biological and socio-cultural factors in our behaviour. Satisfies the BA core requirement for Group 5 (or Natural Science), but also open to all degree students.

**AN/S2201****FAMILIES: A CROSS-CULTURAL TOUR****Credits: 3****Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S221, SOCO210, SOCO2300

A course in the forms and workings of family, household and larger kinship structures in a variety of cultural settings.

**AN/S2202****AGEING & THE LIFE CYCLE****Credits: 6****Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S 222 or AN/S322.

Biocultural aspects of the modern life cycle, emphasizing later life. For example: child health in cross-cultural perspective, life-history studies, female and male ageing cross-culturally, life-stages and social well-being.

**AN/S2203****URBAN & RURAL COMMUNITY****Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S223.

An investigation of social interrelationships among people who share locales. Themes include rural-urban comparisons, the question of urban alienation, quality of life, the nature of community and dynamics of community action.

**AN/S2204****CONSUMPTION & CONSUMERISM****Credits: 3****Prerequisite:**

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level or 30 credits in any degree program.

Shopping, buying and consuming are now closely tied to who we are and how others define us. This course provides an overview of contemporary consumer society and provides an opportunity to emphasize a cultural perspective on the social meaning of possessions, shopping and spending.

**AN/S2205****FOOD FOR THOUGHT: CRITICAL PERSPECTIVES ON WHAT, HOW & IF WE EAT****Credits: 3****Prerequisite:**

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

Everything that is important to humans is on some way connected to the production, preparation, and or consumption of food. This course employs insights from anthropology and sociology to explore the multiple meanings and consequences of what, how and if we eat, with an emphasis on food security and sustainability.

**AN/S2206****EVERYDAY ENCOUNTERS & EMERGENT REALITIES****Credits: 3****Prerequisite:**

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

This course examines the processes through which taken-for-granted practices and power dynamics are reinforced or contested during everyday encounters. Throughout this class we will come to understand how characteristics of the world in which we live, such as the competition of jobs or use of social media, influence the quality of our interactions and relationships with others.

## **AN/S2207**

### **THINKING ABOUT HEALTH & ILLNESS**

**Credits: 3**

**Prerequisite:**

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

This course will offer a critical study of socio-cultural patterns, causes, and effects of health and illness. We will move beyond biomedical interpretations to tap the additional insights offered by those who emphasize not only the unity of body and mind but also the importance of considering environmental, social, cultural, and economic contexts.

## **AN/S2208**

### **PRACTICING WELL-BEING & HEALING**

**Credits: 3**

**Prerequisite:**

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

**Exclusions:**

Unavailable to students with credit for AN/S2222 and AN/S282

This course will offer a critical study of socio-cultural practices of well-being and healing. We will expand our thinking beyond the battle with individual-based diseases of body and mind to consider alternative approaches to healing that address not only the whole person but also larger environmental, social, cultural and economic factors.

## **AN/S2210**

### **QUALITATIVE RESEARCH METHODS IN SOCIAL SCIENCE**

**Credits: 6**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology or Political Science or strong background in related field.

**Exclusions:**

Unavailable to students with credit for AN/S266 or POLS266

Cross-listed with POLS2160 Core requirement in Social Research Certificate. A course in ethnographic methodology, ethics, techniques of generating non-numerical data, interpretive analysis and practical applications. Fieldwork approaches include intensive interviewing, participant observation and interpretation of text and visual images.

**AN/S2212****QUANTITATIVE RESEARCH METHODS & STATISTICS IN SOCIAL SCIENCE****Credits: 6****Prerequisite:**

6 credits introductory Anthropology and/or Sociology or Political Science, or strong background in related field. Prior math skills are not required.

**Exclusions:**

Unavailable to students with credit for AN/S268 or POLS268.

Cross-listed with POLS2162 Satisfies the Group 5, BA core requirement, but also open to all degree students. Core requirement in Social Research Certificate. An overview of research designs that produce numbers as the data, and a comprehensive study of survey methods. Includes methodological principles, sampling, preparation and administration of instruments, computerized data-analysis with SPSS, interpretive reporting, and practical applications. Scheduled labs in SPSS are added to the second half of the course.

**AN/S2220****SOCIETAL PROBLEMS****Credits: 6****Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S270.

This course focuses on socio-cultural arrangements and processes which create human problems and shape our perception of them. Special attention is given to economically non-developed and underdeveloped societies.

**AN/S2222**



## **HEALTH, ILLNESS, AND MEDICINE**

**Credits: 6**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S282 or AN/S320.

Critical study of socio-cultural patterns, causes and effects of health and illness; health-care institutions; and culturally based conceptions of wellness and of illness-care practice

## **AN/S2230**

### **ETHNICITY, "RACE", AND NATIONALISM**

**Credits: 6**

**Prerequisite:**

6 credits introductory in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S294, MIKM350 or SOCO 350.

Cross-listed with MIKM2222 This course examines the main approaches to the study of ethnic groups, the social construction of race and nationalist movements. The analysis of selected mass media materials will complement the theoretical part of the course, illustrating the influence of ethnicity, race and nationalism on contemporary culture.

## **AN/S3200**

### **EQUALITY AND INEQUALITIES: WHY AND SO WHAT?**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S330 or SOCO400 ("Social Stratification & Inequality").

Cultures have embodied many kinds and degrees of inequalities, with profound implications for the lives of individuals and the history of societies. This course examines research and theory on class, status and power relations: who gets what, how, why and with what consequences.

## **AN/S3201**

### **WORLD PROBLEMS**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S305, AN/S291 or SOCO291.

Overview of social science insights on large-scale social inequalities, their causes and possible solutions, with exploration of cultural, economic and political influences through both local and international case studies.

## **AN/S3202**

### **CANADA'S CULTURAL LANDSCAPE**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology; or 6 credits FOLK; or background in Cultural Geography.

**Exclusions:**

Unavailable to students with credit for AN/S332 or FOLK332.

Cross-listed with FOLK3400 The course takes an interdisciplinary approach to the exploration of both the perception and experience of landscape. Provides opportunities to examine and interpret the cultural landscapes of the students' own regions.

## **AN/S3203**

### **COMPARATIVE VARIATION & CHANGE IN NON-WESTERN SOCIETIES**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology; plus either AN/S3201 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for AN/S307, AN/S293 or SOCO293.

Socio-economic, political, and cultural dynamics of underdeveloped,, non-western societies in the post-colonial era, analyzing national and international circumstances that set the context for current economic development practices and future possibilities.

**AN/S3204****CULTURE,TECHNOLOGY & ENVIRONMENT I****Credits: 3****Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S309 or ANTH309.

Explores connections between environmental and social problems: how political, cultural, social and economic factors shape our relationship with the natural world.

**AN/S3205****CULTURE, TECHNOLOGY & ENVIRONMENT II****Credits: 3****Prerequisite:**

AN/S3204.

**Exclusions:**

Unavailable to students with credit for AN/S311 or ANTH311.

A continuation of AN/S3204, with special attention given to substantive case studies.

**AN/S3206****POPULAR CULTURE****Credits: 3****Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S333.

The course combines anthropological and sociological theory and research methods to critically examine the pervasive phenomena of popular culture, including such topics as music, news media, television programming, popular movies and sports. May be included in a Communication concentration or major.

**AN/S3207****PARANORMALISM & PSEUDOSCIENCE****Credits: 3****Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S335.

A critical and interdisciplinary exploration of the premises and practices associated with paranormalism and pseudoscience. The course will focus on the nature and sources of paranormal beliefs in contemporary society, while encouraging the development of the critical skills necessary to objectively examine paranormal and pseudoscientific claims.

**AN/S3208****WORK AND SHARING****Credits: 3****Prerequisite:**

12 credits Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S355 or AN/S251.

A cross-cultural examination of styles of production (work) and distribution (sharing), aimed at developing a critical perspective on what happens in our own economic world and in our daily live

**AN/S3209****INSIDE ORGANIZATIONS****Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S357, AN/S253, or ANTH376.

The course examines how the concepts and methods of Anthropology can help us to gain a critical understanding of the inner workings of business organizations and the dynamics of business activity, both at home and abroad.

**AN/S3210****SELF & OTHER: ENCOUNTER, TRADITIONS, & TRANSFORMATIONS****Credits: 6****Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students having credit for AN/S 336, ANTH333, or MIKM334.

Cross-listed with MIKM3110 Colonialism produced an enduring cultural legacy with a range of severe consequences for indigenous cultural reproduction and social organization. Europe also felt the drastic consequences of its own expansionism. Course focuses on how indigenous self-definitions and traditions have been transformed, revitalized or created a new and considers indigenous peoples in a global perspective covering the past 500 years.

**AN/S3211****SOCIETIES & CULTURES OF LATIN AMERICA I****Credits: 3****Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S337.

An ethnohistorical overview of pre-Columbian societies and cultures, including Aztec, Maya and Inca, until the conquest

**AN/S3212**

## **ANIMALS & PEOPLE**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S358.

A critical and comparative examination of the relationship between people and animals. Human attitudes toward animals will be explored by examining such topics as animal representations in art and literature and popular culture, as well as the social and cultural constructions of legal, political, economic and philosophical issues pertaining to animals. Much of the focus will be on the controversies surrounding this complex social relationship.

## **AN/S3213**

### **SOCIETIES & CULTURES OF LATIN AMERICA II**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S339.

An historical and contemporary overview of societies and cultures of Latin America from conquest and colonization to the present day

## **AN/S3214**

### **LANGUAGE CONTACT, CHANGE, DEATH & REVITALIZATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for AN/S363, HERT363 or MIKM363.

Cross-listed with MIKM3245 An examination of how languages change when in contact as well as the very serious process of language death, which is now happening on a global scale. Discussion focuses on suggested solutions to the rapid loss of linguistic diversity. Languages such as Mi'kmaq and Cape Breton Gaelic are highlighted for analysis.

## **AN/S3215**

### **NEGOTIATING SELVES & SOCIAL IDENTITIES**

**Credits: 3**

**Prerequisite:**

12 credits in sociology and/or anthropology

This course examines how our views of ourselves are influenced by the larger society in which we live. We will consider how our take-for-granted ways of thinking and everyday interactions shape and reshape who we are.

## **AN/S3220**

### **SOCIAL & CULTURAL CONSTRUCTION OF GENDER**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S360.

Critical study of the socio-cultural roots, dynamics and consequences of what male and female mean to people in various times and places, with respect to a wide variety of life experiences.

## **AN/S3222**

### **DEMOGRAPHY**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology. Recommended: AN/S2212 or equivalent. .

**Exclusions:**

Unavailable to students with credit for AN/S362 or SOCO362

This course will investigate the field of population dynamics (birth, migration and death) and population structure from the perspectives of anthropology and sociology. As part of the specific treatment of demographic techniques and theoretical approaches, the course will emphasize issues pertinent to societies and cultures both past and present. It will rely on anthropological and sociological investigations where demographic measures have been a component.

## **AN/S3230**

### **METHODS OF APPLIED SOCIAL RESEARCH**

**Credits: 6**

**Prerequisite:**

(a) AN/S2210 or AN/S2212; plus (b) 6 credits in Anthropology and/or Sociology at the 2000-3000 level other than AN/S2210 and AN/S2212; or (c) Instead, with explicit permission of the instructor, a student lacking those prerequisites may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

**Exclusions:**

Unavailable to students with credit for AN/S364

A course in qualitative and quantitative applied social research design and techniques, emphasizing approaches such as program evaluation, needs assessment, social-impact assessment, clinical analysis of organizations and advocacy. Includes a complete and original research project and year-end report, in which each student may opt for a qualitative or quantitative design.

## **AN/S3232**

### **WORK & WOMEN IN SOCIETY**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for AN/S392.

Examination of women's position in society, focusing on those life-sustaining activities known as work (paid or unpaid) and investigating bio-physical, socio-psychological and socio-cultural underpinnings of the relevant practices

## **AN/S3800**

### **DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY**

**Credits: 6**

**Prerequisite:**

Prerequisites: 12 credits in Anthropology and/or Sociology

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to



cover a topic unavailable in the regular offerings, at a third-year level. (See also the 3-credit versions, 3801 and 3803; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **AN/S3801**

### **DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **AN/S3803**

### **DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **AN/S4200**

### **CLASSICAL THEORY IN ANTHROPOLOGY/SOCIOLOGY**

**Credits: 6**

**Prerequisite:**

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOC03300 (or SOC0230 or SOC0232).

**Exclusions:**

Unavailable to students with credit for ANTH or AN/S or SOC0440.

Each of the above three choices satisfies the four year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-nineteenth to the mid-twentieth century.

## **AN/S4202**

### **CONTEMPORARY THEORY IN ANTHROPOLOGY & SOCIOLOGY**

**Credits: 6**

**Prerequisite:**

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOC03300 (or SOC0230 or SOC0232).

**Exclusions:**

Unavailable to students with credit for ANTH or AN/S or SOC0470.

Each of the above three choices satisfies the 4-year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-twentieth century to the present.

## **AN/S4212**

### **SOCIAL STRUCTURE AND CHANGE**

**Credits: 6**

**Prerequisite:**

18 credits in Anthropology and/or Sociology, including 6 credits above the 2000 level.

**Exclusions:**

Unavailable to students with credit for AN/S420.

Satisfies four year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar or tutorial on the structure and interplay of major social institutions across the broad sweep of cultural evolution, including an overview of central trends in today's world system.

## **AN/S4801**

### **DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY**

## **Credits: 3**

### **Prerequisite:**

18 credits with 60% average in Anthropology and/or Sociology, including 6 credits above the 2000 level.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a fourth-year level. (See also third-year versions, 3800 and 3801/3803.) A student seeking a more extended, project-focused senior experience should choose the 4811/4813 combination or 4900, but can take one or more 4801 courses for additional topics. AN/S, ANTH, SOCO 4801 is intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

## **AN/S4811**

### **DIRECTED INDEPENDENT PROJECT PROPOSAL: ANTHROPOLOGY/SOCIOLOGY, SENIOR LEVEL**

## **Credits: 3**

### **Prerequisite:**

18 credits with 65% average in Anthropology and/or Sociology, including 6 credits above 2000 level and 6 credits in research methods (AN/S2210 or 2212); plus a one-page statement of objectives and an idea for a potential project and/or consultation with the professor before registration.

Satisfies the Group 6 requirement for a Directed Study in the four year major BA core. The AN/S4811 and AN/S4813 together replace the old AN/S498. AN/S, ANTH, SOCO4811 is intended only for a senior student, concentrating in the discipline, who is planning also to complete 4813. The 4811/4813 combination is project-focused, as an alternative to the more rigorous 4900 thesis course. The 4811 includes development of a topic, literature search and submission of a project proposal. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. (See also the third-year counterparts, 3800 and 3811/3813. For a 3-credit alternative to the project-focused 4811/4813, see 4801.) AN/S, ANTH, SOCO4811/4813 are intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **AN/S4813**

### **DIRECTED INDEPENDENT PROJECT IMPLEMENTATION: ANTHROPOLOGY/SOCIOLOGY, SENIOR LEVEL**

## **Credits: 3**

**Prerequisite:**

AN/S or ANTH or SOCO4811

In 4813 the student carries to completion the project developed in 4811. In some years, the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Can be credited towards the four year major BA core requirement for Thesis/Directed Study (6 credits).

**AN/S4900****HONOURS THESIS, ANTHROPOLOGY & SOCIOLOGY****Credits: 6****Prerequisite:**

24 credits with 75% average in Anthropology and/or Sociology, including 6 credits in research methods (AN/S2210 or 2212) and/or in theory (ANTH3100 or SOCO3300); plus a one-page statement of motives and aims in taking the course and/or consultation with the professor before registration

Satisfies Group 6 of the four year major BA core. Required for Honours. AN/S, ANTH, SOCO4900 is intended for high ability senior students specializing in Anthropology and/or Sociology, especially those who hope to prepare for admission to a Master's program. It is an individualized project, culminating in a formal thesis. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Students seeking a similar but somewhat less demanding experience should consider 4811 and 4813.

**ANTH101****GENERAL ANTHROPOLOGY I****Credits: 3****Exclusions:**

Unavailable to students with credit for ANTH107, COMM107 or MIKM107.

An introduction to the scientific study of language. Topics include phonology, morphology, syntax, semantics and the heritage languages of Cape Breton (Mi'kmaq, French, Gaelic and English). This course is intended as a prerequisite for ANTH2100.

**ANTH1101****INTRODUCTION TO LINGUISTICS****Credits: 3**

**Exclusions:**

Unavailable to students with credit for ANTH107, COMM107 or MIKM107.

**Note:**

CROSS-LISTED WITH COMM1107, MIKM1145

Cross-listed with COMM1107, MIKM1145 An introduction to the scientific study of language. Topics include phonology, morphology, syntax, semantics and the heritage languages of Cape Breton (Mi'kmaq, French, Gaelic and English). This course is intended as a prerequisite for ANTH2100.

**ANTH1103****INTRODUCTION TO PHYSICAL ANTHROPOLOGY****Credits: 3****Exclusions:**

Unavailable to students with credit for ANTH2101 or ANTH205

An examination of the story of the human lineage, from the earliest origins amongst our primate ancestors to the rise of civilization, characterising the distinctively human adaptation and surveying contemporary variation.

**ANTH1104****INTRO TO SOCIO-CULTURAL ANTHROPOLOGY****Credits: 3****Exclusions:**

Unavailable to students with credit for AN/S1200

A survey of socio-cultural anthropology exploring the variety of humans' life-strategies through time and cross cultures and introducing key theories and research approaches.

**ANTH2100****LINGUISTIC ANTHROPOLOGY****Credits: 6****Prerequisite:**

6 credits introductory Anthropology and/or Sociology and ANTH1101.

**Exclusions:**

Unavailable to students with credit for ANTH208, HERT208 or MIKM208.

**Note:**

CROSS-LISTED WITH MIKM2140

Cross-listed with MIKM2140 An introduction to socio-cultural aspects of language's forms and functions as expressed in various cultures, including language's interplay with perception, gender, and class. Focus will be on collection and documentation of language materials, with emphasis on insider/outsider research. Mi'kmaq, Gaelic and Acadian materials are emphasized.

## **ANTH2101**

### **PHYSICAL ANTHROPOLOGY: FIRST PRINCIPLES & CURRENT CONSEQUENCES**

**Credits: 3****Prerequisite:**

6 credits introductory Anthropology and/or Sociology or 6 credits introductory Biology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for ANTH205.

A review of the principles of evolution and their human consequences, outlining the differentiation of the human lineage, characterizing the distinctively human adaptation and surveying contemporary variation.

## **ANTH2103**

### **EVOLUTION OF HUMAN ADAPTATION**

**Credits: 3****Prerequisite:**

6 credits introductory Anthropology and/or Sociology or 6 credits introductory Biology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for ANTH207.

An examination of the interplay between biology and behaviour in the emergence and prehistoric development of culture, including a review of the fossil record and problems of its interpretation.

## **ANTH2104**

## **INTERPRETING THE PAST: METHODS IN ETHNOHISTORY**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for ANTH209.

Introduction to and overview of ethnohistory, focusing on ethnohistoric methods, source identification and interpretation, palaeography and calendrics, oral history and historic linguistics, social history and historic site archaeology, physical anthropology and epidemiology and cultural-ecological insights. Regional overviews and case studies will be used to illustrate the results of ethnohistoric methods.

## **ANTH2105**

### **ANTHROPOLOGY OF TOURISM**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for ANTH211.

Introduction to an overview of anthropology of tourism, including its development and key concepts and issues, illustrated through case studies from both developing and developed countries.

## **ANTH2106**

### **RELIGION, MAGIC, AND WITCHCRAFT**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for ANTH229 or ANTH391 or AN/S391.

An introduction to the anthropology of religion. This course provides a comparative look at how people of different cultures and religious traditions interpret the world and mobilize their actions in terms of their understanding of the relationship between social, natural and supernatural forces.

## **ANTH2107**

### **DEVIANCE IN CROSS-CULTURAL PERSPECTIVE**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for ANTH235.

People everywhere view certain others as weird, dangerous or bad. By cross-cultural comparison, this course explores how and why that happens, its effects, and what it suggests about human social life in general.

## **ANTH2108**

### **INTRODUCTION TO ARCHAEOLOGY**

**Credits: 3**

Students are introduced to the basic concepts of archaeological method and theory. Major topics will include the history of archaeology, Culture History, culture (re)construction, site survey, excavation, sampling techniques, artefacts, dating methods, management and ethics.

## **ANTH2109**

### **CULTURE, DISTRESS, & PSYCHIATRIC ABNORMALITY**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for ANTH237

A cross-cultural examination of the interplay of culture, idioms of distress and healing.



## **ANTH2111**

### **INDIGENEOUS MUSICS OF NORTH AMERICA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ANTH255, ETHM255, or MIKM25

**Note:**

Cross-listed with MUSI2311, MIKM2106

Cross-listed with MUSI2311, MIKM2106 This course will introduce students to a range of musical tradition from North America Indigenous communities, including nation specific (especially Mi'kmaq), inter-tribal and popular musics. The course focuses on the significance of music to various Indigenous peoples, examining its role in, for example, ritual, spiritual expression, healing, relationships and dance. Students will also explore the relationship between music and identity, examining gender roles and nation-specific musical expressions. Students will learn basic music vocabulary in order to analyze and describe the characteristics of the music encountered.

## **ANTH3100**

### **SURVEY OF ANTHROPOLOGICAL THEORY**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for ANTH302 or ANTH232.

A critical review of the roots of current theoretical concepts and issues in sociocultural anthropology.

## **ANTH3101**

### **PEOPLE & POWER**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for ANTH331.

A critical overview of theories, themes and debates about power, both cross-culturally and across time, from the perspective of political anthropology.

## **ANTH3102**

### **FIELD SCHOOL IN HISTORICAL ARCHAEOLOGY**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology. With explicit permission of the Department Chair, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

**Exclusions:**

Unavailable to students with credit for ANTH304, HERT340 or HIST340.

Cross-listed with HIST3102 This course gives students field instruction in the techniques used in the excavation of an archaeological site. Hands-on instruction in manual excavation methods, mapping, field recording and laboratory analysis will prepare students as qualified archaeological field technicians. First class held on campus; all others at local field site.

## **ANTH3103**

### **MI'KMAQ NOUNS AND VERBS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ANTH361 or MIKM361

Cross-listed with MIKM3313 Examines the morphological structure of Mi'kmaq nouns and verbs. The complex internal word grammar of Mi'kmaw is explored to give insight into the semantic categories of this endangered language.

## **ANTH3110**

### **APPLIED ANTHROPOLOGY**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for ANTH372.

This course demonstrates anthropology's everyday relevance in identifying and addressing human needs in many areas (e.g., community development, education, medical care, social services and the workplace).

## **ANTH3113**

### **FORENSIC ANTHROPOLOGY: HUMAN SKELETAL BIOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Anthropology/Sociology or 6 credits Anthropology and BIOL2441 or BIOL3200. With permission of the instructor, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

**Exclusions:**

Unavailable to students with credit for ANTH370.

Study of the human skeleton (bones and dentition) for applications of recovery in bioarchaeological and forensic anthropology settings. Students will learn how to determine age, sex, stature and individual characteristics from the skeleton. This course includes a lab component.

## **ANTH3800**

### **DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY**

**Credits: 6**

**Prerequisite:**

Prerequisites: 12 credits in Anthropology and/or Sociology

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 3-credit versions, 3801 and 3803; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **ANTH3801**

### **DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **ANTH3803**

### **DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **ANTH4100**

### **CLASSICAL THEORY IN ANTHROPOLOGY**

**Credits: 6**

**Prerequisite:**

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

**Exclusions:**

Unavailable to students with credit for ANTH or AN/S or SOCO440.

Each of the above three choices satisfies the four year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-nineteenth to the mid-twentieth century.

## **ANTH4102**

## CONTEMPORARY ANTHROPOLOGICAL THEORY

**Credits: 6**

**Prerequisite:**

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOC03300 (or SOC0230 or SOC0232).

**Exclusions:**

Unavailable to students with credit for ANTH or AN/S or SOC0470.

Each of the above three choices satisfies the 4-year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-twentieth century to the present.

## ANTH4801

### DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY

**Credits: 3**

**Prerequisite:**

18 credits with 60% average in Anthropology and/or Sociology, including 6 credits above the 2000 level.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a fourth-year level. (See also third-year versions, 3800 and 3801/3803.) A student seeking a more extended, project-focused senior experience should choose the 4811/4813 combination or 4900, but can take one or more 4801 courses for additional topics. AN/S, ANTH, SOC0 4801 is intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

## ANTH4811

### DIRECTED INDEPENDENT PROJECT PROPOSAL: ANTHROPOLOGY, SENIOR LEVEL

**Credits: 3**

**Prerequisite:**

18 credits with 65% average in Anthropology and/or Sociology, including 6 credits above 2000 level and 6 credits in research methods (AN/S2210 or 2212); plus a one-page statement of objectives and an idea for a potential project and/or consultation with the professor before registration

Satisfies the Group 6 requirement for a Directed Study in the four year major BA core. The AN/S4811 and AN/S4813 together replace the old AN/S498. AN/S, ANTH, SOC04811 is intended only for a senior

student, concentrating in the discipline, who is planning also to complete 4813. The 4811/4813 combination is project-focused, as an alternative to the more rigorous 4900 thesis course. The 4811 includes development of a topic, literature search and submission of a project proposal. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. (See also the third-year counterparts, 3800 and 3811/3813. For a 3-credit alternative to the project-focused 4811/4813, see 4801.) AN/S, ANTH, SOCO4811/4813 are intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **ANTH4813**

### **DIRECTED INDEPENDENT PROJECT IMPLEMENTATION: ANTHROPOLOGY, SENIOR LEVEL**

**Credits: 3**

**Prerequisite:**

AN/S or ANTH or SOCO4811

In 4813 the student carries to completion the project developed in 4811. In some years, the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Can be credited towards the four year major BA core requirement for Thesis/Directed Study (6 credits).

## **ANTH4900**

### **HONOURS THESIS, ANTHROPOLOGY**

**Credits: 6**

**Prerequisite:**

24 credits with 75% average in Anthropology and/or Sociology, including 6 credits in research methods (AN/S2210 or 2212) and/or in theory (ANTH3100 or SOCO3300); plus a one-page statement of motives and aims in taking the course and/or consultation with the professor before registration

Satisfies Group 6 of the four year major BA core. Required for Honours. AN/S, ANTH, SOCO4900 is intended for high ability senior students specializing in Anthropology and/or Sociology, especially those who hope to prepare for admission to a Master's program. It is an individualized project, culminating in a formal thesis. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Students seeking a similar but somewhat less demanding experience should consider 4811 and 4813.

## **ARTT1100**

## **DRAWING**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for ARTT100.

Satisfies the Group 4, BA core requirement. An introductory studio course in the skills and techniques of drawing. Students progress from line through tone using a variety of media such as pencil and charcoal.

## **ARTT1101**

### **DRAWING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ARTT105.

Techniques in water-based media such as ink, watercolour and acrylic. Can be used for the Group 4, BA core requirement.

## **ARTT1102**

### **PAINTING**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for ARTT120

A studio course in the techniques and methods of painting. Media used include oils, acrylic, watercolour and egg tempura. Covers all aspects of painting, from surface preparation to final presentation. Satisfies the Group 4, BA core requirement.

## **ARTT1110**

### **ART HISTORY**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for ARTT340

A survey of Western Art from the pre-historic to the contemporary. Special emphasis is placed on the social context of the art in its era. Satisfies the Group 4 BA core requirement

## **ARTT2100**

### **GENERAL STUDIO**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for ARTT210.

An introductory studio course in the basic techniques and principles behind the visual arts. Media which may be explored include drawing, painting, sculpture, pottery and print making.

## **ARTT2102**

### **GENERAL STUDIO II**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for ARTT220.

An advanced course in painting, with emphasis on colour and design. These theories may be placed in an abstract mode with the student choosing the direction of her/his painting.

## **ARTT2701**

### **SPECIAL TOPICS IN ART**

**Credits: 3**

## **ARTT4800**

### **DIRECTED STUDY IN ART**

**Credits: 6**

**Prerequisite:**

Any 1000 level and any 2000 level studio art course (ARTT1100 or ARTT1102 and ARTT2100 ).



See Department Chair for details.

## **BIOL1101**

### **CELL & MOLECULAR BIOLOGY I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BIOL101.

Introduces students to biology from the cellular and molecular perspectives. Major topics include cells as the basic units of life, evolution and variety of cells, macromolecules and organelles in cells, energy conversion in cells, cell reproduction and an introduction to DNA. Course includes lab component.

## **BIOL1601**

### **ORGANISMAL & EVOLUTIONARY BIOL**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BIOL104.

Introduction to biological organization and biodiversity. Major topics include diversity of form and function in living organisms, biological relationships, patterns of heredity and evolutionary processes. Course includes lab component.

## **BIOL2101**

### **CELL & MOLECULAR BIOLOGY II**

**Credits: 3**

**Prerequisite:**

6 credits of 1000 level Biology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL202, BIOL100 or BIOL102.

Introduces students to biology from the cellular and molecular perspectives. Major topics include division of cells (somatic and germ lines), genetics, DNA structure and replication, gene expression and genetic mutation. Course includes lab component.

## **BIOL2203**

### **HUMAN ANATOMY**

**Credits: 3**

**Prerequisite:**

BIOL1101 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL360 or BIOL3200 or PUBH2104

A detailed study of the structural organization of the cells, tissues, organs, and organ systems of the human body, designed primarily for students pursuing a career in the natural sciences, health sciences and related programs. Emphasis will be placed on the gross and histological study of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Labs focus on the examination and identification of anatomical structures using specimens and models. Course includes laboratory component.

## **BIOL2211**

### **GENETICS**

**Credits: 3**

**Prerequisite:**

BIOL1101 and BIOL2101 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL266.

The gene as a fundamental unit of heredity with special emphasis on Mendelian principles, protein chemistry, linkage and genetic factors determining human characteristics, normal and abnormal. Course includes lab component

## **BIOL2225**

### **DRUGS AND BEHAVIOR**

**Credits: 3**

**Prerequisite:**

6 credits in Biology.

**Exclusions:**

Unavailable to students with credit for BIOL225 or PSYC225.

Cross-listed with PSYC2251 This course will review the basic principles and concepts of pharmacology, psychology and neurophysiology. Then the course concentrates on drug classes, recreational (e.g. alcohol and marijuana) and prescribed (e.g. benzodiazepines and antidepressants) and details the specific drugs within each class.

## **BIOL2301**

### **PLANT DEVELOPMENT & DIVERSITY**

**Credits: 3**

**Prerequisite:**

BIOL1101 and BIOL1601 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL205.

**Note:**

Normally offered every other year.

A study of plant development, physiology, anatomy and reproductive biology, providing an assessment of the biological functions and economic roles of the major classes of plants. Course includes lab component.

## **BIOL2411**

### **INVERTEBRATE ZOOLOGY**

**Credits: 3**

**Prerequisite:**

6 credits of 1000 level Biology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL245.

The major invertebrate phyla and their representatives with a special emphasis on the structural and functional homologies of each group, their phylogeny, life histories, physiology and ecological adaptations. Course includes lab component.

## **BIOL2441**

### **INTRODUCTION TO VERTEBRATES**

**Credits: 3**

**Prerequisite:**

6 credits of 1000 level Biology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL235.

An overview of vertebrate animals, with emphasis on their phylogenetic interrelationships, a review of the diagnostic characters of the major groups and a survey of past and modern diversity. Lectures will highlight major evolutionary trends, lifestyles, adaptations and interesting features of vertebrate life past and present. Course includes a lab component: labs involve the systematic dissection of study specimens, with examination of organ systems, their tissues and histology, with supplementary information from slides.

**BIOL2501****ENVIRONMENTAL BIOLOGY****Credits: 3****Prerequisite:**

BIOL1101 or BIOL1601 or PUBH1101 and GEOL1103.

**Exclusions:**

Unavailable to students with credit for BIOL203.

Introduction to higher levels of biological organization. Major topics include ecosystem organization, adaptations of organisms to environment, ecosystem function and energy flow, populations and communities, effects of humans on the environment. Most laboratory sessions are field trips and as such, no evening lab sections will be offered. Course includes lab component.

**BIOL2503****PRINCIPLES OF ECOLOGY****Credits: 3****Prerequisite:**

BIOL1101 or BIOL1601 or PUBH1101 and GEOL1205.

**Exclusions:**

Unavailable to students with credit for BIOL275.

This course provides the foundation necessary for the study of ecology in upper level courses in biology. Students will explore the intricate relationships of organisms to one another and their surroundings, and examines these relationships across four levels of biological organization; individuals, populations, communities and ecosystems. The laboratory component will provide the opportunity for students to

address ecological questions and to gain experience undertaking ecological research.

## **BIOL2503L**

### **PRINCIPLES OF ECOLOGY LAB**

**Credits: 0**

## **BIOL2504**

### **ENVIRONMENTAL ISSUES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BIOL203 BIOL2501.

This course provides a scientific introduction to environmental problems and their solutions, with emphasis on biological and ecological processes and their importance to global sustainability. Students will learn about the scale and magnitude of environmental variables, societal impediments to solving environmental problems, and to think critically about environmental issues. Topics include natural resource management waste management, environmental pollution, climate change, green energy, and their implications for human-environment relations.

## **BIOL2505**

### **ECOSYSTEMS OF CAPE BRETON**

**Credits: 3**

**Exclusions:**

Exclusions: Unavailable to students with credit for BIOL211 or MSIT211

MSIT is the Mi'kmaq word for 'everything together' and the MSIT courses are transdisciplinary science courses. The differences between MSIT and other science courses include the cultural context for the science concepts and the flexible, participatory approach to teaching and learning. In MSIT 2505 / BIO 2505, students will explore the major ecosystems of Cape Breton (Unama'ki) under the umbrella of Ecological Land Classification and the traditional knowledge of L'Nu (Mi'kmaq nation, indigenous to Eastern Canada). This course will be composed of approximately 24 classes over the fall term either with the Professor or as self-directed exercises (ie: readings and projects). As a science course, it will also have a separate lab/fieldwork section equivalent to approximately 3 hours per week to learn pertinent skills.

## **BIOL2505L**

## **ECOSYSTEMS OF CAPE BRETON LAB**

**Credits: 0**

## **BIOL3101**

### **DESIGN, ANALYSIS, & INTERPRETATION OF QUANTITATIVE BIOLOGICAL RESEARCH**

**Credits: 3**

**Prerequisite:**

BIOL2501 or BIOL2503 and MATH1109 or MATH2106.

**Exclusions:**

Unavailable to students with credit for BIOL389.

When and how to use quantitative methods in biological research. Students will learn how to design an observational or experimental study, as well as graphically summarize, analyse and interpret analyses of univariate and multivariate data from a biological research study. They will also learn about alternatives to the hypothesis testing paradigm for analyzing quantitative data.

## **BIOL3111**

### **MOLECULAR REGULATION IN BIOLOGICAL SYSTEMS**

**Credits: 3**

**Prerequisite:**

BIOL1101, BIOL2101 and CHEM2301 or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for BIOL315.

**Note:**

Normally offered every other year.

The regulatory activities of prokaryotic and eukaryotic cells. Labs will introduce students to procedures routinely used by molecular biologists. Course includes lab component.

## **BIOL3121**

### **GENE MANIPULATION**

## **Credits: 3**

### **Prerequisite:**

BIOL1101, BIOL2101 and CHEM2301 or permission of instructor.

### **Exclusions:**

Unavailable to students with credit for BIOL317.

The course introduces the tools and procedures used by molecular biologists and genetic engineers. Labs provide applied skills in molecular procedures. Course includes lab component.

## **BIOL3200**

### **HUMAN ANATOMY & PHYSIOLOGY**

## **Credits: 6**

### **Prerequisite:**

6 credits of Biology or permission of instructor.

### **Exclusions:**

Unavailable to students with credit for BIOL360 or PUBH2104

A comprehensive course in human anatomy and physiology, designed primarily for students in science, physical education, health sciences and related programs. As systems approach is used to underscore integration at the organismal level. Labs emphasize osteology, mycology and experimentation with emphasis on respiratory and cardiovascular function. Course includes laboratory component.

## **BIOL3203**

### **HUMAN PHYSIOLOGY**

## **Credits: 3**

### **Prerequisite:**

BIOL1101, BIOL2203, CHEM1101 or CHEM1104, CHEM1103 or CHEM1105.

### **Exclusions:**

Unavailable to students with credit for BIOL360 or BIOL3200 or PUBH2104

A detailed study of the functional aspects of the cells, tissues, organs, and organ systems of the human body, designed primarily for students pursuing a career in the natural sciences, health sciences and related programs. Emphasis will be placed on the study of homeostasis, cell signalling, neurophysiology, sensory physiology, endocrine and immune function, muscle physiology, cardiovascular and respiratory function, digestive processes, renal function, and reproduction. Labs emphasize experiments on muscle mechanics, sensory physiology, and respiratory and cardiovascular function. Course includes laboratory

component.

## **BIOL3231**

### **ANIMAL PHYSIOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL2411, BIOL2441 CHEM1105 Recommended: CHEM2301

**Exclusions:**

Unavailable to students with credit for BIOL365.

**Note:**

Normally offered every other year. Changed pre-reques Dec 2014 edit.

This course introduces students to the principles of animal function by examining how animals cope with environmental challenges. The evolution of major physiological systems is examined across major taxa, ranging from protists through vertebrates. Topics covered include cell signalling, endocrine regulation, osmoregulation, gas exchange, thermoregulation, circulations, locomotion, basic neurophysiology, and receptor physiology. Laboratory exercises emphasize the analysis and interpretation of physiological data. Course includes lab component.

## **BIOL3331**

### **PLANT TAXONOMY**

**Credits: 3**

**Prerequisite:**

BIOL2501 or BIOL2503 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL302.

A study of the principles of plant classification with application to personal collections and the evolutionary relationships, origins and distributions of all vascular plants with major emphasis on the angiosperms. Course includes lab component.

## **BIOL3431**

### **ENTOMOLOGY**

**Credits: 3**



**Prerequisite:**

BIOL2501 or BIOL2503

**Exclusions:**

Unavailable to students with credit for BIOL375.

**Note:**

Normally offered every other year.

Most kinds of living organisms are insects. Practical skills in collecting insects, identification and curation of collections are developed. These are complemented by an understanding of insect systematics and biology. Course includes lab component.

## **BIOL3433**

### **HISTORY OF LIFE**

**Credits: 3****Prerequisite:**

6 credits of 2000 level Biology or GEOL1103 and 3 credits of 2000 level Biology

This course is an overview of the history of life since its beginnings nearly 4 billion years ago and up to the appearance of modern humans in the Pleistocene. Lectures will review major milestones in life history, including the requirements for and the origins of life, the early diversification of animals, the chronology of major evolutionary advances, mass extinctions and their legacies, and the influence of geophysical phenomena on life.

## **BIOL3451**

### **ORNITHOLOGY**

**Credits: 3****Prerequisite:**

BIOL2501 or BIOL2503 and second year standing in a program or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for BIOL387.

An introduction to the biology of birds focusing on evolution, morphology, behaviour, life history and mating systems and communication and conservation. Labs focus on morphology, behaviour and identification, with an emphasis on birds of Eastern Canada and Cape Breton in particular. Course includes lab component.

## **BIOL3501**

### **NATURAL HISTORY OF CAPE BRETON**

**Credits: 3**

**Prerequisite:**

BIOL2501or BIOL2503 and second year standing in a program or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL393.

**Note:**

Normally offered every other year.

Field trips to interesting natural areas on Cape Breton highlight this course. Field work focuses on the identification of plants, birds and insects. Assignments focus on the interpretation of the field observations and the ability to communicate clearly to other biologists and the public. Course includes lab component.

## **BIOL3503**

### **ANIMAL BEHAVIOUR**

**Credits: 3**

**Prerequisite:**

BIOL1601and BIOL2501or BIOL2503

**Exclusions:**

Unavailable to students with credit for BIOL395

**Note:**

A student may complete a maximum of six credits from BIOL3801, 3803, 3804, 3805, 397 and 399.

Provides opportunities to discover the influence of evolution, genetics, development and physiology on the feeding, antipredator behaviour and mating behaviour of animals. Students participate in the process of science by making and reporting on field observations. Course includes lab component.

## **BIOL3521**

### **STREAM ECOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL1601 or BIOL2501 or BIOL2503

**Exclusions:**

Unavailable to students with credit for BIOL383.

**Note:**

Normally offered every other year.

A study of the interrelationships between the physical and biological aspects of the structure and function of streams with a particular focus on the variety of streams and rivers of Cape Breton. The impact of human activities such as urbanization, forestry, impoundments and agriculture will be addressed. Most laboratory work will be carried out in the field. Course includes lab component.

## **BIOL3523**

### **MARINE ECOLOGY**

**Credits: 3****Prerequisite:**

BIOL2501 and BIOL2411 or BIOL2411 and BIOL2503 Recommended: MATH1109 or PSYC2101.

**Exclusions:**

Unavailable to students with credit for BIOL385.

**Note:**

Normally offered every other year.

This course focuses on ecological relationships among marine plants and animals from the perspective of adaptation. Readings from text and primary scientific literature. Field-based laboratories make use of the diversity of coastal marine habitats in Cape Breton. Students are required to do a project and present their results both in writing and orally. Course includes lab component.

## **BIOL3541**

### **PLANT ECOLOGY**

**Credits: 3****Prerequisite:**

BIOL2501 or BIOL2503

**Exclusions:**

Unavailable to students with credit for BIOL351 or MSIT351.

**Note:**

Normally offered every other year.

Cross-listed with MSIT3105 The study of Acadian forest systems will continue with an in-depth view of plant assemblages and the relationship to habitat, process, structure and function. Studies will be extended to the non-vascular plants. Relationships and differences between major plant divisions and plant-animal interactions will be considered. Emphasis will be placed on acquiring this knowledge in the field. Course includes lab component.

**BIOL3601****EVOLUTION****Credits: 3****Prerequisite:**

BIOL2101 and BIOL2501 or BIOL2101 and BIOL2503

**Exclusions:**

Unavailable to students with credit for BIOL367.

Evolution by natural selection is one of the important ideas in Western science and the central concept in modern biology. The focus is on evolution as fact, as theory, natural selection as the major mechanism, and its genetic basis.

**BIOL3801****DIRECTED STUDY IN BIOLOGY****Credits: 3**

An in-depth literature study in an area not covered by other biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

**BIOL3803****DIRECTED STUDY IN BIOLOGY****Credits: 3**

An in-depth literature study in an area not covered by other biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

## **BIOL3804**

### **INDEPENDENT PROJECT IN BIOLOGY**

**Credits: 3**

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

## **BIOL3805**

### **INDEPENDENT PROJECT IN BIOLOGY**

**Credits: 3**

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

## **BIOL4121**

### **ADVANCED TOPICS IN GENE MANIPULATION & BIOTECHNOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL3121 with a grade of at least 65% or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for BIOL417.

**Note:**

Normally offered every other year.

A continuation of the study of molecular biology initiated in BIOL3121. Topics include a description of specialized vectors and advanced procedures and of their use in modern agriculture, industry and medicine. Course includes lab component.

## **BIOL4201**

### **NEUROBIOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL3200 or PSYC3213.

**Exclusions:**

Unavailable to students with credit for BIOL423 or PSYC423.

Cross-listed with PSYC4231 This course introduces basic anatomical and physiological principles of neuroscience extending from the basic biophysical properties of neurons and glia, to the physiological basis of sensory processing, motor behaviour and learning memory. Differs from PSYC321 in that basic physiology is studied in greater depth and there is no attempt at a general survey of behaviour.

## **BIOL4203**

### **ADVANCED HUMAN PHYSIOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL2203 and BIOL3203 or BIOL3200. Recommended: PHYS1201 or PHYS1204 and CHEM2301.

This course builds on the concepts learnt in Human Anatomy (BIOL2203) and Human Physiology (BIOL3203) to further enhance the students' understanding of physiological principles and their applications, and recent research findings. A major focus on this course is the development of scientific writing skills, oral presentation skills and team work skills related to the field of human physiology. Course includes laboratory component. Laboratory sessions make use of computer-assisted learning and laboratory experiments, where students will act both as investigators and experimental subjects.

## **BIOL4241**

### **GENERAL PARASITOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL2411 and at least 12 credits in Biology. .

**Exclusions:**

Unavailable to students with credit for BIOL405

An introduction to parasitology, citing examples from the protozoans, helminths and arthropods of humans, domestic animals and wildlife. Transmission and impacts on individual hosts and populations are emphasized. Course includes lab component. Offered pending faculty availability.

## **BIOL4251**

## **BIOMECHANICS**

**Credits: 3**

**Prerequisite:**

BIOL2441.

**Exclusions:**

Unavailable to students with credit for BIOL455.

**Note:**

Normally offered every other year.

A study of vertebrate functional morphology focused on locomotion. Discussions include comparative, evolutionary and mechanical aspects of major structures. Gross anatomical and micro anatomical examination are performed on a wide array of specimens. Proficiency in dissection, specimen care and analytical thought are emphasized. Course includes lab component.

## **BIOL4431**

### **INSECT BIOLOGY & SYSTEMATICS**

**Credits: 3**

**Prerequisite:**

BIOL3431, with a mark of at least 70% recommended.

**Exclusions:**

Unavailable to students with credit for BIOL401.

Emphasize insect systematics, phylogenetics, structure, function and biogeography. Through field collections, curation of the CBU collection, oral presentations and research papers, students will develop expertise in these areas of entomology. Course includes lab component. Offered pending faculty availability.

## **BIOL4444**

### **DINOSAUR PALEONTOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL235, BIOL367, BIOL2441 or BIOL3601.

This course is an overview of non-avian dinosaurs, which were the most conspicuous and numerous land animals during the Age of Reptiles (a.k.a. the Mesozoic Era). This course will review current

understanding of the anatomy and systematics of the major groups of dinosaurs, survey investigations into the origin and early diversification of the group, review studies of dinosaurian trace fossils and hypotheses of dinosaurian biology and behaviour, look at theropod origins of birds, and examine the extinction of non-avian dinosaurs

## **BIOL4453**

### **ICHTHYOLOGY: THE BIOLOGY OF FISHES**

**Credits: 3**

**Prerequisite:**

BIOL2501 or BIOL2503 and 9 additional credits in Biology above the 1000 level .

**Exclusions:**

Unavailable to students with credit for BIOL485.

**Note:**

Normally offered every other year.

A comprehensive look at the evolution and phylogenetic relationships of fishes. Students survey their morphological, physiological, behavioural and ecological adaptations to their aquatic environments. Conservation management of fish habitats will be discussed. The laboratory will include studies of structural diversity, anatomy and osteology, morphometrics, age and growth and other selected topics. Course includes lab component.

## **BIOL4501**

### **THEORETICAL ECOLOGY**

**Credits: 3**

**Prerequisite:**

BIOL2501 or BIOL2503.

**Exclusions:**

Unavailable to students with credit for BIOL475.

Examines a broad spectrum of ecological theories, from optimal individual strategies to population interactions, theories of community, ecosystems and global stability within an evolutionary framework

## **BIOL4503**

### **BEHAVIORAL ECOLOGY**

**Credits: 3**



**Prerequisite:**

BIOL3503.

**Exclusions:**

Unavailable to students with credit for BIOL495.

**Note:**

Normally offered every other year. A student may complete a maximum of six credits from BIOL4801, BIOL4803, BIOL4804, BIOL4805, BIOL497, and BIOL499.

Behavioural ecology asks questions about why animals do what they do from an evolutionary perspective. Mate choice, chemical defence, avoidance behaviour, social evolution and foraging preferences may all be considered. Students participate in the process of science by making and reporting on field observations. Course includes lab component.

## **BIOL4505**

### **MONITORING BIODIVERSITY**

**Credits: 3****Prerequisite:**

BIOL3331 and BIOL3541 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL441.

**Note:**

Normally offered every other year.

Exploration of key issues and strategies behind ecological monitoring programs including background research, implementation and long-term conduct. Examination of international programs implemented locally (e.g. EMAN and Man in the Biosphere). Discussion of classification systems for natural areas in Nova Scotia and exploration of examples. Course includes lab component.

## **BIOL4601**

### **EVOLUTIONARY THEORY**

**Credits: 3****Prerequisite:**

BIOL3601.

**Exclusions:**

Unavailable to students with credit for BIOL467.

Students critically assess controversies in evolutionary biology, such as sexual selection, punctuated equilibrium, human origins and HIV evolution. Choice of a topic for investigation is based on an individual's interests and expertise. Students gain expertise in writing, editing and oral presentation of complex ideas. Course includes lab component. Offered pending faculty availability.

## **BIOL4603**

### **PHYLOGENETIC SYSTEMATICS**

**Credits: 3**

**Prerequisite:**

BIOL3601 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BIOL469.

An introduction to the theory and practice of phylogenetic systematics, the predominant methodology for evaluating the interrelationships of organisms. Students will learn the basic techniques of character analysis, tree building and evaluation of phylogenetic hypotheses. Application of methodology to classification, co-evolutionary studies, biogeography and extinction studies. Course includes lab component.

## **BIOL4801**

### **DIRECTED STUDY IN BIOLOGY**

**Credits: 3**

**Prerequisite:**

60 credits with an average of 70% in Biology courses completed.

An in-depth literature study in an area not covered by other Biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

## **BIOL4803**

### **DIRECTED STUDY IN BIOLOGY**

**Credits: 3**

**Prerequisite:**

60 credits with an average of 70% in Biology courses completed.

An in-depth literature study in an area not covered by other Biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

## **BIOL4804**

### **INDEPENDENT PROJECT IN BIOLOGY**

**Credits: 3**

**Prerequisite:**

60 credits with an average of 70% in Biology courses completed.

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

## **BIOL4805**

### **INDEPENDENT PROJECT IN BIOLOGY**

**Credits: 3**

**Prerequisite:**

60 credits with an average of 70% in Biology courses completed.

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

## **BIOL4900**

### **BIOLOGY THESIS**

**Credits: 6**

**Prerequisite:**

Admission and fourth-year standing in the BSc with Honours Biology program.

Includes the preparation of an original research proposal, completion of the proposed research project, analysis of data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project.

## **BUSS2989**

### **BUSINESS INTERNSHIP I**

**Credits: 3**

**Exclusions:**

BUSS501, BUSS1999

A paid internship providing students with full-time career related employment, usually 12-16 weeks in duration. Interns apply business theories and concepts studied in the classroom in meaningful work situations and build on professional development skills. Monitoring the intern's professional development and the evaluation of the intern's progress are conducted by the student placement officer, a faculty facilitator and the employer.

## **BUSS3989**

### **BUSINESS INTERNSHIP II**

**Credits: 3**

## **CHEM1101**

### **GENERAL CHEMISTRY FOR NURSING & ALLIED HEALTH SCIENCES**

**Credits: 3**

**Prerequisite:**

Grade 11 Academic Chemistry. Recommended: Grade 12 Academic Chemistry.

**Exclusions:**

Unavailable to students with credit for CHEM101, CHEM110, CHEM1104 or CHEM121.

The principles of general chemistry for students requiring no more than 6 credits in chemical science. Emphasis is placed on the biological relevance of the chemistry principles discussed and their applicability to the health sciences. This course does not satisfy the requirements of CBU BSc programs other than the BSc Nursing. It does not satisfy the requirements of BTech or Bachelor of Engineering Technology programs. It does satisfy the requirements for the Bachelor of Health Sciences (Public Health). It is not a sufficient chemistry prerequisite for medical, dental or veterinary programs of study.

## **CHEM1103**

### **INTRODUCTORY ORGANIC CHEMISTRY FOR NURSING & ALLIED HEALTH SCIENCES**

## **Credits: 3**

### **Prerequisite:**

CHEM1101

### **Exclusions:**

Unavailable to students with credit for CHEM102, CHEM110, CHEM1105, or CHEM122.

This course does not satisfy the requirements of CBU BSc programs other than the BSc Nursing. It does not satisfy the requirements of BTech or Bachelor of Engineering Technology programs. It does satisfy the requirements for the Bachelor of Health Sciences (Public Health). It is not a sufficient chemistry prerequisite for medical, dental, or veterinary programs of study. The principles of organic and biochemistry for students requiring no more than 6 credits in chemical science. Emphasis is placed on the biological relevance of the chemistry principles discussed and their applicability to the health sciences.

## **CHEM1104**

### **GENERAL CHEMISTRY I**

## **Credits: 3**

### **Prerequisite:**

Grade 12 with a grade of at least 60% OR 3 credits in a lab science and 3 credits in mathematics.

### **Exclusions:**

Unavailable to students with credit for CHEM121, CHEM1101 or CHEM101.

A description of the properties of matter and their correlation with modern theoretical principles of chemistry. Topics include: atoms, molecules, and ions; formulas and equations; the Periodic Table; electronic structure of atoms; chemical bonding, and gases and change of state. Course includes lab component.

## **CHEM1105**

### **GENERAL CHEMISTRY II**

## **Credits: 3**

### **Prerequisite:**

CHEM1104

### **Exclusions:**

Unavailable to students with credit for CHEM122, CHEM1103 or CHEM102.

Topics include intermolecular forces in solids, liquids, gases and change of state; enthalpy; entropy, and free energy. Rates of reaction, reaction mechanisms, equilibrium, acid-base reactions, electrolytes and

voltaic cells and overview of organic chemistry. Course includes lab component.

## **CHEM1401**

### **PETROLEUM CHEMISTRY**

**Credits: 3**

**Exclusions:**

Exclusions: Unavailable to students with credit for CHEM121, CHEM122, CHEM1101, CHEM1103, CHEM1104 and CHEM1105.

This course examines the basic chemistry, characteristics and properties of hydrocarbons in the context of petroleum engineering technology. It covers the Basic chemical concepts. Atomic and molecular structure. Chemical bonding using inorganic and organic examples. A study of the states of matter. Composition and characteristics of petroleum: hydrocarbons and non-hydrocarbon components. The basic laws of thermodynamics and their applications. Gas laws, changes of state and phase diagrams of pure substances and mixtures as relates to oil and gas. Acid-base and solubility equilibria. Oxidation-reduction reactions and electrochemical process as relates to corrosion (reactions, monitoring and control). It is a terminal chemistry course and will not be used as prerequisite for any other chemistry course.

## **CHEM1401L**

### **PETROLEUM CHEMISTRY LAB**

**Credits: 0**

## **CHEM2103**

### **GEOCHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM1105 and GEOL1105

Cross-listed with GEOL2103 This course examines the applications of basic chemical principles from an earth science perspective. It covers the geochemical processes involved in the formation of rocks and mineral, the evolution of crustal and surface environments, and the behaviour of different groups of chemical elements in geological environments. Applications of geochemical principals in isotope geochemistry (stable and radioactive), tracer geochemistry, and public health will be examined.

## **CHEM2103L**

### **GEOCHEMISTRY LAB**

**Credits: 0**

## **CHEM2201**

### **CHEMICAL THERMODYNAMICS**

**Credits: 3**

**Prerequisite:**

CHEM1105 and MATH1206.

**Exclusions:**

Unavailable to students with credit for CHEM201

Cross-listed with PHYS2101 The theoretical basis of the fundamental principles of chemistry will be discussed. The emphasis is on derivations and the physical meaning of these. Topics include thermodynamics, solutions and phase equilibria. Students will be introduced to data handling by computer. Course includes lab component

## **CHEM2203**

### **CHEMICAL KINETICS & EQUILIBRIUM**

**Credits: 3**

**Prerequisite:**

CHEM1105 and MATH1206. Recommended: CHEM2201.

**Exclusions:**

Unavailable to students with credit for CHEM202.

This course will examine the kinetics and equilibria of chemical systems. Topics include molecular kinetic theory of gases; rates of chemical reactions, both experimentally and theoretically; and the equilibria of chemical reactions. Laboratory experiments will focus on the techniques and instrumentation used to study chemical kinetics and equilibria. Students will be introduced to data handling by computer. Course includes lab component.

## **CHEM2301**

### **INTRODUCTORY ORGANIC CHEMISTRY I**

**Credits: 3**

**Prerequisite:**

CHEM1105.

**Exclusions:**

Unavailable to students with credit for CHEM221.

This course is an introduction to the chemistry of carbon compounds, both aliphatic and aromatic, and involves a survey of the major functional groups. Emphasis is placed on the close connections between modern organic, biology and biochemistry. Course includes lab component.

## **CHEM2303**

### **INTRODUCTORY ORGANIC CHEMISTRY II**

**Credits: 3**

**Prerequisite:**

CHEM2301.

**Exclusions:**

Unavailable to students with credit for CHEM222.

This course introduces the student to the major types of organic reactions. Reaction mechanisms and the role of intermediates are discussed, as are topics in stereochemistry and spectroscopy, IR, NMR, UV-VIS and mass spectroscopy. Course includes lab component.

## **CHEM2401**

### **INDUSTRIAL CHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM2301.

**Exclusions:**

Unavailable to students with credit for CHEM245.

The course covers practical applications of chemistry to industry. Review of typical chemical industries and modern production plants in Canada and around the world. Review of activities of and visits to chemical industries in Atlantic Canada. Chemical terms and nomenclatures, basic process calculations, and flowcharts. Basic principles of processing equipment, distillation units, reactors, heat exchangers, scrubbers, and driers. Introductory material and energy balances. Inorganic chemical processes for phosphoric acid, super phosphate, ammonia, synthesis gas, sulphuric acid. Organic chemical processes from petroleum, natural gas, crude oil, bitumen, lubricants properties and processing. Petrochemical processes, polymer and resins precursors, and synthetic rubber. Course includes lab component.



## **CHEM2403**

### **INTRODUCTORY ANALYTICAL CHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM1105.

**Exclusions:**

Unavailable to students with credit for CHEM285.

An intensive study of chemical equilibria including acid/base, precipitation, complex and electrochemical as well as statistical methods for analyzing data and some instrumental methods of analysis. Laboratories involve the quantitative analysis of unknowns. Course includes lab component.

## **CHEM2404**

### **ENVIRONMENTAL CHEMISTRY**

**Credits: 3**

**Prerequisite:**

Prerequisites: CHEM1104 and CHEM1105 or permission of instructor.

**Exclusions:**

Exclusions: Unavailable to students with credit for CHEM213.

The course begins with a review of the fundamental chemical principles relevant to aqueous systems. This is followed by an examination of the primary water quality parameters, analysis methods and treatment strategies presently utilized in the study of water/wastewater. The laboratory portion of the course involves specific sampling and analysis procedures. Course includes lab component.

## **CHEM2501**

### **INTRODUCTORY INORGANIC CHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM1105.

**Exclusions:**

Unavailable to students with credit for CHEM255

The fundamentals of Inorganic Chemistry involving a study of the electronic structure, properties, reactivity and bonding characteristics of the main group elements. Laboratory experiments involve qualitative analysis of these elements and their compounds. Course includes lab component.

## **CHEM2601**

### **INTRODUCTORY BIOCHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM2301

**Exclusions:**

Unavailable to students with credit for CHEM261.

A study of the unifying concepts of biochemistry, the structure of proteins, enzymes, nucleic acids, carbohydrates, lipids and a brief introduction to their metabolism. Course includes lab component.

## **CHEM3201**

### **MATHEMATICS FOR CHEMISTRY I**

**Credits: 3**

**Prerequisite:**

MATH1206 or equivalent and 9 credits in Chemistry.

**Exclusions:**

Unavailable to students with credit for CHEM301 or MATH251

**Note:**

Normally offered every other year.

Cross-listed with MATH2113 Topics covered will include the application of ordinary differential equations, vector algebra, matrices, determinants and operators to such areas of chemistry as point group theory, modern molecular orbital theory, factor analysis and eigenvalue problems. Course includes lab component.

## **CHEM3203**

### **MATHEMATICS FOR CHEMISTRY II**

**Credits: 3**

**Prerequisite:**

MATH1206 or equivalent, 9 credits in Chemistry and an introductory course in computing applications.

**Exclusions:**

Unavailable to students with credit for CHEM302 or MATH252.

**Note:**

Normally offered every other year.

Cross-listed with MATH2214 An overview of modern computer applications in chemistry. Topics will include use of software packages for molecular modeling, solution of simultaneous linear equations, linear and nonlinear least squares, regression on systems with two and three parameters and interpolation of experimental data. Course includes lab component.

## CHEM3204

### SYMMETRY & MOLECULAR SPECTROSCOPY

**Credits: 3**

**Prerequisite:**

CHEM1105, MATH1206, PHYS1204 and at least third year academic standing or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for CHEM305.

**Note:**

Normally offered every other year.

This course will introduce students to group theory and its application in molecular spectroscopy. The molecular basis of electronic, rotational and rotational-vibrational spectroscopies will be studied. Course includes lab component.

## CHEM3301

### INTERMEDIATE ORGANIC CHEMISTRY

**Credits: 3**

**Prerequisite:**

CHEM2303.

**Exclusions:**

Unavailable to students with credit for CHEM325.

**Note:**

Normally offered every other year.

A study of organic reaction mechanisms, condensation reactions, symmetry-controlled reactions and a survey of heterocyclic chemistry. Course includes lab component.

**CHEM3401****ANALYTICAL SPECTROSCOPY****Credits: 3****Prerequisite:**

CHEM2303 or CHEM2403.

**Exclusions:**

Unavailable to students with credit for CHEM385.

**Note:**

Normally offered every other year.

The principles of operation and selected applications of modern spectrochemical methods of analysis. Emphasis is placed on instrument components. Course includes lab component.

**CHEM3403****ANALYTICAL SEPARATIONS****Credits: 3****Prerequisite:**

CHEM2303 or CHEM2403.

**Exclusions:**

Unavailable to students with credit for CHEM386

**Note:**

Normally offered every other year.

The applications of separation techniques to chemical analysis. The theoretical principles of various instrumental methods are explained and applications are examined. Emphasis is placed on HPLC and GC/MS. Course includes lab component.

**CHEM3404**

# FUNDAMENTALS OF CHEMICAL ENGINEERING

**Credits: 3**

**Prerequisite:**

Prerequisites: Second year standing and CHEM1105 and MATH1206.

**Exclusions:**

Exclusions: Unavailable to students with credit for CHEM345.

Cross-listed with ENGI2165 Preliminary terms and concepts are reviewed, followed by the presentation of fundamental thermodynamic properties including heat and work. These properties, along with the zeroth, first and second laws of thermodynamics, are used to examine various closed and open thermodynamic systems. Related topics introduced during this examination include reversibility, thermal efficiency, entropy and energy. The course concludes with an understanding of gas and vapour power cycles. Course includes lab component.

## CHEM3501

### INTERMEDIATE INORGANIC CHEMISTRY

**Credits: 3**

**Prerequisite:**

CHEM2501.

**Exclusions:**

Unavailable to students with credit for CHEM355.

**Note:**

Normally offered every other year.

This course is a continuation of CHEM2501 with an emphasis on the transition metals, lanthanides, and actinides. The chemical and physical properties of their compounds are discussed using modern bonding theories. The lab component will involve the preparation and characterization of compounds discussed in class. Course includes lab component.

## CHEM3601

### INTERMEDIATE BIOCHEMISTRY

**Credits: 3**

**Prerequisite:**

CHEM2601.

**Exclusions:**

Unavailable to students with credit for CHEM365.

The metabolism of the substances studied in CHEM2601 is discussed in more detail. Course includes lab component.

**CHEM3801****DIRECTED STUDY IN CHEMISTRY****Credits: 3**

Research in an area not covered by other chemistry courses. See the Department Chair for details.

**CHEM3803****DIRECTED STUDY IN CHEMISTRY****Credits: 3**

Research in an area not covered by other chemistry courses. See the Department Chair for details.

**CHEM4201****ADVANCED PHYSICAL CHEMISTRY****Credits: 3****Prerequisite:**

CHEM1105, MATH1206, PHYS1204 and at least third year academic standing or permission of instructor.

**Exclusions:**

Unavailable to students with credit for CHEM405.

**Note:**

Normally offered every other year.

The theoretical basis of chemistry will be derived and discussed. Students are introduced to quantum theory and its application in atomic and molecular electronic structure. Course includes lab component.

**CHEM4203**

## **NANOCHEMISTRY**

**Credits: 3**

**Prerequisite:**

(CHEM2201, CHEM2203, and PHYS1204) or CHEM 3203 or CHEM3204

This course will examine the emerging field of nanoscience, through the lenses of physical chemistry, physics and biology to enable students to understand the characteristics of matter at the nanoscale. Topics will include the synthesis, characterization and applications of nanoscale structures and materials with an emphasis on their application in health spheres, electronic, energy and environmental technologies.

## **CHEM4203L**

### **NANOCHEMISTRY LAB**

**Credits: 0**

## **CHEM4301**

### **ADVANCED ORGANIC CHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM2303 or CHEM3301.

**Exclusions:**

Unavailable to students with credit for CHEM425.

**Note:**

Normally offered every other year.

A survey of developments in current organic chemistry. This course will both round out the student's knowledge of carbon chemistry and integrate that knowledge with the other disciplines of chemistry, particularly physical organic chemistry. Course includes lab component.

## **CHEM4401**

### **POLYMER CHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM3301 and CHEM3501 or instructor's permission.

**Exclusions:**

Unavailable to students with credit for CHEM445.

**Note:**

Normally offered every other year.

Involves the chemistry of macromolecules, definitions of polymeric materials, different examples of synthetic and natural polymers and rubber elasticity, monomer and polymer nomenclature, polymerization reactions, techniques, reactivity and kinetics, molecular weight distribution, measurements and control, and synthesis, analysis, structure-property characterization and rheological behaviour of polymers.

## **CHEM4403**

### **ADVANCED ANALYTICAL CHEMISTRY**

**Credits: 3****Prerequisite:**

CHEM2303, and CHEM3401 or CHEM3403.

**Note:**

Normally offered every other year.

The application of techniques such as Atomic Absorption (AA), Mass Spectrometry (MS), and Polarography to trace analyses. Students examine recent peer-reviewed literature and prepare critical reviews for class discussion. Reducing interferences, using blanks, performing replicate analyses, and recovery studies will be emphasized.

## **CHEM4404**

### **CHEMICAL INSTRUMENTATION DESIGN/TROUBLESHOOTING**

**Credits: 3****Prerequisite:**

CHEM3401 and CHEM3403

**Exclusions:**

Unavailable to students with credit for CHEM481

The basic design and working principles of chemical instrumentation (AA, NMR, IR, UV/visible, ICP-MS,



pH, ISE, GC-FID, GC-ECD, GC-MS, HPLC-UV, UPLC-PDA, UPLC-qTOF) will be discussed with respect to operation, routine maintenance and serviceability. Topics will include signal-to-noise ratio, detection limits, basic electronics, (esp. shielding and component isolation), parameter optimization, firmware, and software. Students will tune and calibrate instruments for optimum signal and learn to limit or eliminate interference. The most common instrument errors, which in the past have resulted in extended downtime, and the most appropriate resolutions will be examined as case studies. This course is offered 6 hours per week in a lab setting.

## **CHEM4404L**

### **CHEMICAL INSTRUMENTATION DESIGN/TROUBLESHOOTING**

**Credits: 0**

## **CHEM4501**

### **ORGANOMETALLIC CHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM2303 and CHEM2501 or CHEM3501.

**Exclusions:**

Unavailable to students with credit for CHEM456

**Note:**

Normally offered every other year.

A detailed look at concepts used in modern organometallic chemistry for synthetic laboratory research and current industrial processes. Topics that will be covered include the carbon-metal bond, heterogeneous catalysis and homogeneous catalysis, high vs. low density polyethylene, transition metal catalyzed polymerizations, asymmetric catalysis and Pd catalyzed organic transformations.

## **CHEM4801**

### **INDEPENDENT PROJECT IN CHEMISTRY**

**Credits: 3**

Normally this course will be completed in the student's final year.

## **CHEM4900**

## **HONOURS THESIS IN CHEMISTRY**

**Credits: 6**

**Prerequisite:**

Admission and fourth-year standing in the BSc Honours Chemistry program

This course includes the preparation of an original research proposal, completion of the proposed research project, analysis of the data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project. Consult the Department Chair for details. A three member panel (the faculty supervisor, a second chemistry faculty member and a third member agreed upon by the supervisor and the student) will evaluate the written thesis and oral defence.

## **COMM1103**

### **INTRODUCTION TO INTERPERSONAL COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM103

An introductory course designed to raise student awareness of the complexity and power of interpersonal communication in daily life; to provide students with personally relevant concepts of interpersonal communication; and to help students develop their interpersonal communication skills. Lab component required.

## **COMM1105**

### **INTRODUCTION TO PUBLIC COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM105.

Students may receive credit for not more than one of the following communication courses COMM1105, COMM1109 or COMM1151. An introductory course designed to give the student a well-rounded basis in communication. Students learn public communication theory and develop their communication cognitively, affectively and behaviorally by taking part in interviews, small group discussions and public speaking. Lab component required.

## **COMM1107**

### **INTRODUCTION TO LINGUISTICS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for COMM107, ANTH107 or MIKM107.

Cross-listed with ANTH1101, MIKM1145 An introduction to the scientific study of language, including phonology, morphology, syntax, semantics, and the heritage languages of Cape Breton: Mi'kmaq, French, Gaelic and English.

## **COMM1151**

### **PROFESSIONAL PRESENTATIONS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for COMM115.

Students may receive credit for not more than one of the following communication courses COMM1105, COMM1109, or COMM1151 Skills in chairing meetings, making interesting presentations, incorporating various media into public communication and producing video resumes.

## **COMM2101**

### **RESEARCH CONCEPTS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for COMM261.

A review of research methods typically used throughout the discipline and understanding of, and practice in, research design.

## **COMM2103**

### **NONVERBAL COMMUNICATION**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for COMM203.

An exploration of various nonverbal message systems, which include body movement, eye and facial behaviour, vocal cues, physical appearance, clothing, space, time and symbolic behaviour in human

interaction.

## **COMM2111**

### **RHETORIC IN POPULAR CULTURE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM251

An exploration of popular culture (movies, music, television, computers, cell phones, tattoos, etc.) We discuss how we make meaning and interpret meaning of popular culture in a rhetorical context.

## **COMM2116**

### **HISTORY GOES TO THE MOVIES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HIST4700: Special Topics in History: History and Film

Cross-listed with HIST2116 This course explores the ways in which history is represented on film. What do films convey to us about the past and how do they convey it? To what extent is history on the "screen" different than history on the "page"? How do films about history shape our perceptions, shared memories, and national mythologies? These and other questions will be examined in detail. A wide range of film types - from mainstream drama to experimental documentary - from diverse national settings, including Canada, United States, France, Germany and China, will be used throughout the course

## **COMM2117**

### **MEDIA ETHICS**

**Credits: 3**

**Note:**

Description added Feb 19, 2016 BK

This course introduces theoretical approaches to media ethics and applies theories to particular situations through analysis of case studies. Students gain enhanced awareness of the ethical issues arising in highly mediated societies and explore possibilities for ethical decision-making among producers and consumers of media representations.

## **COMM2151**

## **VOICE PRODUCTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM201

Voice and speech production, with attention on improving vocal quality, articulation and pronunciation through the utilization of informal, formal and electronic settings.

## **COMM2153**

### **EFFECTIVE INTERVIEW TECHNIQUES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM215.

Foundations of interviewing within the broader context of basic communication theory, applying interview principles and practices in various interview genres.

## **COMM2155**

### **ARGUMENTATION AND DEBATE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM205.

Theoretical and experiential knowledge of argumentation and debate. Participation in class debates with and without a partner.

## **COMM2171**

### **INTRODUCTION TO MEDIA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM271

Discusses various forms of media (film, television, radio, etc.) from the production side of the media

process with special emphasis on Canadian context and content.

## **COMM2173**

### **VIDEOGRAPHY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM273.

Covers techniques of composition, camera use, editing and aesthetics; application of broader communication theories to independent work on video production and effective presentation of ideas, stories and cultural works. Laboratory and/or tutorial component included.

## **COMM2175**

### **ISSUES IN MEDIA STUDIES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM255.

A survey of issues in communication media such as stereotyping, violence, gender, objectivity, ethics, culture and values. Lab component required.

## **COMM2177**

### **GRAPHIC DESIGN FOR MEDIA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM277.

Covers composition, layout, typography, colour and other elements of visual design and applies them to a variety of media. Some aspects of the course will require computer applications.

## **COMM3101**

### **ORGANIZATIONAL COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM305.

An introduction to the philosophy, process, problems and potential of human communication within an organizational context.

**COMM3103****INTERPERSONAL RELATIONSHIPS****Credits: 3****Exclusions:**

Unavailable to students with credit for COMM311.

Advanced interpersonal communication including theories, research and concepts examining relationships.

**COMM3104****PUBLIC HISTORY IN THE MEDIA****Credits: 3****COMM3105****MEMORY & HISTORY IN THE PUBLIC SPHERE****Credits: 3****COMM3109****STRATEGIC CORPORATE COMMUNICATION****Credits: 3**

This course will give students an awareness of connections between communication theory and effective corporate communications.

**COMM3111**

## **COMMUNICATION AND CULTURE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM353.

The close connections between communication and culture and the ways cultures are constructed communicatively.

## **COMM3112**

### **PUBLIC HISTORY & MUSEOLOGY**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities

**Exclusions:**

Unavailable to students with credit for COMM380, HIST380, or HERT350.

Cross-listed with HIST3112 An overview of museum and heritage institutions over the past two centuries and how different nations, communities, and cultures interpret their history to the general public.

## **COMM3113**

### **INTERCULTURAL COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM307.

Communication between individuals of different cultures and subcultures and practical guidelines for mitigating miscommunication across cultures.

## **COMM3115**

### **COMMUNICATION AND SOCIAL CHANGE**

**Credits: 3**

**Exclusions:**



Unavailable to students with credit for COMM355.

Examines the ideologies and conditions of the premodern, modern and postmodern social worlds as understood through their manifestations in cultural and technological change.

## **COMM3117**

### **COMMUNICATION & COMMUNITY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM319.

This course allows students to analyze concepts about community and communication as they relate to concepts about the public sphere, media, globalization, sustainability, social capital and interpersonal relationships. In particular it explores the symbolic construction of community and identity, participatory democracy, communitarianism, and the role of mass media in community. Students investigate their own communities as case studies.

## **COMM3131**

### **COMMUNICATION TRAINING & DEVELOPMENT**

**Credits: 3**

**Prerequisite:**

6 credits from COMM1103, COMM1105 or COMM2175 and an additional 6 credits in Communication or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for COMM321.

An examination of theoretical and practical applications of facilitation in educational contexts. Learning styles, communication models and facilitation strategies are examined.

## **COMM3133**

### **LEADERSHIP IN SMALL GROUP CONTEXTS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM325.

This course examines the communication components of small group and team interaction as they pertain to leadership and leadership emergence. Topics include communication characteristics of small groups, group norms and rules, group goals and motivations, sending and receiving messages, conflict resolutions and decision making processes.

## **COMM3135**

### **FAMILY COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM333.

Examines communication patterns and networks within families that support or inhibit cohesion or change. Topics include family systems, communication patterns, self-disclosure, family themes, rules, relational stages, conflict styles, power and decision-making. Focus is on developing functional family networks and effective communication skills.

## **COMM3136**

### **PERSUASION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM303.

Philosophical, psychological and communication foundations of persuasion and the role persuasion plays in a person's life.

## **COMM3137**

### **GENDER & COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM345.

The communication similarities and differences between women and men in various communication contexts.

## **COMM3138**

## **WOMEN & COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM347.

Communication as it pertains to various aspects of women's lives and how contexts and cultural ideologies specifically affect women and their communication.

## **COMM3139**

### **ISSUES IN HEALTH COMMUNICATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM309.

An examination of the ways the personal, cultural and political circumstances influence how we experience and communicate about health and health issues. We explore how we communicate about health at different stages of our lives. Finally, we consider the communication competencies we can develop to help us better understand health information, work with health organizations and develop as health citizens and advocates.

## **COMM3141**

### **COMMUNICATION & SEXUALITY**

**Credits: 3**

**Prerequisite:**

COMM1103 plus 3 additional credits in Communication or permission of the instructor.

Students examine the intersection between communication and sexuality as it pertains to education, health, the internet, age, disability, diversity, illness, relationships and so forth. Develop emotional insight into diverse aspects of sexuality that are experienced daily but are rarely discussed within the communication context.

## **COMM3151**

### **PERFORMANCE STUDIES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM335 or COMM235.

Explores how performance acts that are embedded in our everyday world are used to learn about ourselves and culture, to reflect on experience and to act on the world and the self.

**COMM3155****ADVANCED PUBLIC SPEAKING****Credits: 3****Prerequisite:**

COMM1105

**Exclusions:**

Unavailable to students with credit for COMM301

Public communication theory aimed at improving communication effectiveness by constructing and delivering informative, engaging and persuasive presentations.

**COMM3170****MULTIMEDIA DESIGN****Credits: 6****Prerequisite:**

COMM2171 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for COMM322

Conceptual and application theory required for professional level skills in the use of digital communication media. Emphasis is on the development of design technique and the visual aspects of multimedia production focusing on film and digital video. Students will complete a major project utilizing the skills developed in class.

**COMM3171****COMPUTER-MEDIATED COMMUNICATION****Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM359

This course is an eclectic overview of practical and scholarly approaches to computer-mediated communication (CMC) intended both for those with limited experience with CMC and those who use CMC regularly.

**COMM3173****MASS COMMUNICATION & SOCIETY****Credits: 3****Exclusions:**

Unavailable to students with credit for COMM357.

The history of mass communication and the impact of technological change on human societies.

**COMM3175****CANADIAN COMMUNICATIONS POLICY AND REGULATION****Credits: 3****Prerequisite:**

6 credits in Communication.

Cross-listed with POLS3175 This course exposes students to the policies and regulations that structure practices in the Canadian media and telecommunication industries.

**COMM3177****COMMUNICATION & FILM****Credits: 3****Prerequisite:**

6 credits of Communication

Movies can influence how we see ourselves and others, and how we understand the society in which we live. Through theoretical readings, lectures, discussions, and in-class viewings, students learn how to critically analyze meanings and perspectives films convey about various social and cultural issues.

**COMM3931**

## **FACILITATION PRACTICUM**

**Credits: 3**

**Prerequisite:**

COMM3131 and permission of the instructor and Lab Coordinator.

**Exclusions:**

Unavailable to students with credit for COMM323.

A 160-hour practicum that provides students with an opportunity to develop and strengthen their applied communication facilitation skills in an educational context while gaining first-hand experience in the design and delivery of communication training programs.

## **COMM4101**

### **RHETORICAL THEORY**

**Credits: 3**

**Prerequisite:**

6 credits in Communication.

**Exclusions:**

Unavailable to students with credit for COMM401

Examination of the nature of rhetoric through reading and discussing critical and theoretical works from classical to contemporary rhetoricians.

## **COMM4103**

### **COMMUNICATION CRITICISM**

**Credits: 3**

**Prerequisite:**

6 credits in Communication.

**Exclusions:**

Unavailable to students with credit for COMM403.

Critical evaluation of messages in a wide variety of communicative genres.

## **COMM4104**

## **SUSTAINABLE HAPPINESS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for COMM435 or EDUC435.

Cross-listed with EDUC4104. This course will introduce students to the research on happiness and subjective well-being that is emerging from the field of positive psychology. Students will also explore the impact that individual and national pursuits of happiness have on the well-being of people around the world and the natural environment through literature related to sustainability. Opportunities for engaging in sustainable happiness that does not exploit other people, the environment or future generations will be addressed.

## **COMM4105**

### **THEORIES OF HUMAN COMMUNICATION**

**Credits: 3**

**Prerequisite:**

6 credits in Communication.

**Exclusions:**

Unavailable to students with credit for COMM405

The development of communication theory in the twentieth century in both the humanistic and social scientific approaches to communication study.

## **COMM4800**

### **DIRECTED STUDY IN COMMUNICATION**

**Credits: 6**

**Prerequisite:**

At least 30 credits in Communication and an overall average of 70% in Communication.

This course offers an advanced student of exceptional ability the opportunity to pursue individualized study in an area not otherwise offered in the course listings. Students should consult the Department Chair for details and permission.

## **COMM4900**

### **SENIOR THESIS IN COMMUNICATION**

## **Credits: 6**

### **Prerequisite:**

At least 30 credits in Communication and an overall average of 70%.

An original research paper in which the student performs an in-depth study of an area of communication. The thesis must be a work of exceptional scholarship and is designed to prepare students for graduate programs or related further study. Students should consult the Department Chair for details and permission.

## **COMM4910**

### **HONOURS THESIS IN COMMUNICATION**

## **Credits: 6**

### **Prerequisite:**

At least 42 credits in Communication with an overall average of 70%.

An original research paper in which the student performs an in-depth study of an area of Communication. The thesis must be a work of exceptional scholarship, and is designed to prepare students for graduate programs or related further study. Students should consult the Department Chair for details and permission.

## **COMP1163**

### **COMPUTER APPLICATIONS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for COMP101.

Satisfies the BSc computer proficiency requirement. A hands-on course which emphasizes the everyday use of computer technology with MS Office for Windows XP. Includes study of Windows, the Internet, word-processing, spreadsheets, database management and programming with VB.Net. The graphical user interface, Windows, will be used to integrate all software. Laboratory tutorial assignments reinforce course objectives.

## **COMP2000**

### **UNSPECIFIED COMPUTER APPLICATIONS**

## **Credits: 6**



## **COMP2001**

### **UNSPECIFIED COMPUTER APPLICATIONS**

**Credits: 3**

## **COMP2003**

### **UNSPECIFIED COMPUTER APPLICATIONS**

**Credits: 3**

## **COMS0100**

### **POLICE PREPARATORY COURSE**

**Credits: 0**

**Exclusions:**

Unavailable to students with credit for NOCR900.

This is a non-credit course that assists students in preparation for a career as a police officer. The course includes: policing career options, identification and forensics, police ethics, human rights, test anxiety counseling, crime prevention through social development, community policing, résumé development, physical fitness (PARE) preparation, range, drill and seminars with the Cape Breton Regional Police Service, RCMP and CBU faculty and staff. Past students have successfully completed police training programs at the Atlantic Police Academy in Prince Edward Island and RCMP training in Regina, Saskatchewan.

## **COMS1100**

### **INTRODUCTION TO COMMUNITY STUDIES**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for COMS110.

Within the context of a small group, students are encouraged to develop and employ a variety of skills including problem solving, critical analysis, research and writing. Both individual and group projects are required. Core course in the BACS degree program and an elective in other programs.

## **COMS2101**

## **WORK EXPERIENCE PLACEMENT I**

**Credits: 3**

**Prerequisite:**

30 credits including COMS1100 or permission of Department Chair.

**Exclusions:**

Unavailable to students with credit for COMS251.

Students undertake a work placement position that is relevant to the student's career interests. Students engage in both course work and experiential learning.

## **COMS2103**

### **AN EXPERIENTIAL INTRODUCTION TO RESEARCH METHODS**

**Credits: 3**

**Prerequisite:**

30 credits including COMS1100

**Exclusions:**

Unavailable to students with credit for COMS210 or COMS2100

This course allows students to apply the group dynamics and problem-solving skills learned in COMS1100 and understand how techniques of research design, data collection, data analysis and program evaluation might be useful in community settings.

## **COMS2105**

### **AN EXPERIENTIAL APPROACH TO COMMUNITY-BASED RESEARCH**

**Credits: 3**

**Prerequisite:**

COMS2103

**Exclusions:**

Unavailable to students with credit for COMS210 or COMS2100

This course allows students to apply the techniques learned in COMS2103 and engage in a community based group research project.

## **COMS3100**

### **COMMUNITY ACTION PROJECT**

**Credits: 6**

**Prerequisite:**

60 credits including COMS1100, COMS2100, COMS2101.

**Exclusions:**

Unavailable to students with credit for COMS310.

Students work together in small groups to investigate an issue and then design, implement and evaluate an appropriate community action project.

## **COMS3101**

### **WORK EXPERIENCE PLACEMENT II**

**Credits: 3**

**Prerequisite:**

60 credits including COMS2100 OR COMS2103 AND, COMS2105.

**Exclusions:**

Unavailable to students with credit for COMS351.

Students undertake a second work placement position that is relevant to their career interests. Students engage in both course work and experiential learning to gain depth and breadth of understanding while making valuable connections with potential employers post-graduation.

## **COMS4100**

### **SENIOR SEMINAR**

**Credits: 6**

**Prerequisite:**

90 credits including COMS2100 OR COMS2103 AND COMS2105.

**Exclusions:**

Unavailable to students with credit for COMS410.

**Note:**

changes made to prerequisites at request of Jane Connell. July 24, 2015

Students work within a group environment on individual, self-directed, community projects.

## **DRAF1163**

### **INDUSTRIAL APPLICATIONS OF DRAFTING**

**Credits: 3**

**Prerequisite:**

ENGI1165.

**Exclusions:**

Unavailable to students with credit for DRAF126.

This is an advanced course in drafting. The focus of this course is on the industrial applications of drafting. Students will learn the details of multi-disciplined drawings for electrical, petroleum, environmental and manufacturing engineering technology. Topics include schematics, print circuit boards, gears and cams. Detailed and industrial applications of technical drawings using advanced AutoCAD applications are employed. This is a required course for all disciplines of technology.

## **DRAM1101**

### **INTRODUCTION TO PLAY PRODUCTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL307, DRAM101 or FINA307.

**Note:**

Course description was changed on February 26, 2016

An overview of theatre production techniques, including play analysis, design, and staging practices. Students will read and watch plays, then write and present about their practical and creative conclusions. Cannot satisfy the Group 1 BA core requirement.

## **DRAM2101**

### **INTRODUCTION TO ACTING**

**Credits: 3**

**Prerequisite:**

DRAM1101 or permission of the instructor and Department Chair.

**Exclusions:**

Unavailable to students with credit for ENGL309 , DRAM1103 or FINA309.

**Note:**

Course description was changed Feb 26, 2016

A survey course exploring various aspects of the actor's training. The exploratory and experiential work will involve the basic principles of movement, voice, improvisation and character analysis. Cannot satisfy the Group 1 BA core requirement.

**DRAM2201****INTRODUCTION TO THEATRE DIRECTING****Credits: 3****Prerequisite:**

DRAM1101.

**Exclusions:**

Unavailable to students with credit for DRAM201, ENGL309 or FINA309

A practical course in directing for theatre: playscript analysis, casting, blocking, dramatic rhythm and focus. Cannot satisfy the Group 1 BA core requirement

**DRAM2203****THEATRE FOR CHILDREN****Credits: 3****Prerequisite:**

DRAM1101

**Exclusions:**

Unavailable to students with credit for DRAM221, FINA219.

This course gives practical experience in presenting theatre for young audiences. Students will explore the history, definitions, styles and forms, creation, and the educational value of children's theatre.

**DRAM2204****IMPROVISATIONAL DRAMA**

**Credits: 3**

## **DRAM2621**

### **PLAYWRITING I**

**Credits: 3**

**Prerequisite:**

**Exclusions:**

Unavailable to students with credit for DRAM331, ENGL303 or FINA303.

**Note:**

Course Description was changed on Feb 26, 2016

Cross-listed with ENGL2624. Cannot satisfy the Group 1 BA core requirement. An introduction to the art and craft of writing dramatic texts for live theatre. This course focuses on plot structure, character traits, and theme.

## **DRAM2623**

### **PLAYWRITING II**

**Credits: 3**

**Prerequisite:**

DRAM2621 or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for DRAM333, ENGL323 or FINA319.

**Note:**

Change made to Course description on Feb 26, 2016

Cross-listed with ENGL2625 An advanced study of play creation, revision, and development. This seminar-style course includes dramturgy and workshopping techniques, and writing in experiemental styles. Students will present excerpts from their work in a public venue. Cannot satisfy the Group 1 BA core requirement.

## **DRAM3101**

### **MOVEMENT FOR THEATRE**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for FINA213.

This course is directed to student actors and teachers of acting who want to add a larger component of meaningful movement to their acting or teaching techniques.

## **DRAM3103**

### **VOICE FOR THEATRE**

## **Credits: 3**

### **Prerequisite:**

DRAM1101 or DRAM2101 or permission of the instructor

### **Exclusions:**

Unavailable to students with credit for FINA211.

Through practical exercises, this course introduces the student to voice training for the theatre.

## **DRAM3104**

### **STAGECRAFT**

## **Credits: 3**

### **Prerequisite:**

DRAM1101 or permission of the instructor.

### **Exclusions:**

Not available to students with credit for DRAM311

This course covers all that the aspiring stage worker needs to know about properties, scenery, painting, sets, lighting and sound.

## **DRAM3105**

### **STAGE MANAGEMENT**

## **Credits: 3**

**Prerequisite:**

DRAM1101 or permission of the instructor.

**Exclusions:**

Not available to students with credit for DRAM313

An introduction to the skills and practices of stage management. Students will learn how to run production meetings, construct a prompt book, conduct rehearsals, and supervise productions. When possible, students will stage manage a production as part of the course.

**DRAM3106****ACTING II****Credits: 3****Prerequisite:**

DRAM2101 ENGL/FINA 309.

**Exclusions:**

Not available to students with credit for DRAM313

A continuing exploration of the techniques and exercise commenced in DRAM2101 with particular emphasis on script analysis and scene study using two-handed scenes and monologues. This course will explore questions about relationship, conflict, the moment before, humor, and other practical acting rules.

**DRAM3901****DRAMA PRACTICUM****Credits: 3****Exclusions:**

Not available to students with credit for DRAM399.

Please see department chair for information.

**ECON1101****PRINCIPLES OF MICROECONOMICS****Credits: 3**



**Exclusions:**

Unavailable to students with credit for ECON101.

The nature and scope of economics. Topics include scarcity and choice, consumer behaviour, demand and supply, elasticity, the theory of the firm, income distribution and applications.

**ECON1103****PRINCIPLES OF MACROECONOMICS****Credits: 3****Exclusions:**

Unavailable to students with credit for ECON102.

Topics include national income determination, unemployment, inflation, fiscal policy, the central bank, monetary policy, international trade and the balance of payments.

**ECON2101****INTERMEDIATE MICRO ANALYSIS****Credits: 3****Prerequisite:**

ECON1101, ECON1103 and ECON2105

**Exclusions:**

Unavailable to students with credit for ECON201.

Designed to provide a firmer grasp of economic theory. Includes a comprehensive survey of microeconomic theory and its application to everyday economic problems.

**ECON2103****INTERMEDIATE MACRO ANALYSIS****Credits: 3****Prerequisite:**

ECON1101 and ECON1103.

**Exclusions:**

Unavailable to students with credit for ECON202

The study of the major macroeconomic theories focusing on the Keynesian and the monetarist models within the domestic and international economy.

## **ECON2105**

### **QUANT. METHODS FOR ECON.**

**Credits: 3**

**Prerequisite:**

ECON1101 and ECON1103 and grade 12 Academic Math.

**Exclusions:**

Unavailable to students with credit for ECON205.

Designed to meet the requirements of quantitative methodology for a comprehensive program in economics.

## **ECON2140**

### **LAW AND SOCIETY**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for ECON212, ECON112, POLS212 or POLS112.

Cross-listed with POLS2140 This course provides an introduction to the study of law, government and the economy. It provides an understanding of leading social, political and economic issues and the impact of these issues on our life.

## **ECON3101**

### **MONEY AND BANKING I**

**Credits: 3**

**Prerequisite:**

ECON1101 and ECON1103.

**Exclusions:**

Unavailable to students with credit for ECON301.

An analysis of the Canadian banking system including the role of money, interest rates, financial

## **ECON3105**

### **MANAGERIAL ECONOMICS**

**Credits: 3**

**Prerequisite:**

ECON1101 and ECON1103

**Exclusions:**

Unavailable to students with credit for ECON325.

A study in microeconomic decision-making applied to the problems of resource allocation, production, finance and risk assessment at the level of the firm.

## **ECON4101**

### **PUBLIC FINANCE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ECON411.

The theory and application of microeconomics and macroeconomics applied to the study of public goods and resource allocation with institutional intervention in market economics. Topics include social cost-benefit analysis, taxation and fiscal policy, social and public choice, interaction between fiscal and monetary policies, economic stabilization, economic growth with distributive equity and transaction costs in relation to social spending and public goods.

## **ECON4103**

### **INTERNATIONAL ECONOMICS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ECON421.

A comprehensive examination of the theory, institutions, policies and programs that shape the international economy. Micro and macroeconomic concepts and principles are applied to study the theory of international trade and the issues relating to fiscal, monetary and development policies.

## **ECON4105**

### **INVESTMENT THEORY**

**Credits: 3**

**Prerequisite:**

MGSC1108, MGSC1109, FINC2401, and FINC2403.

**Exclusions:**

Unavailable to students with credit for BUSS442 or ECON375.

Cross-listed with FINC4404 Examines the capital investment process emphasizing analytical techniques to evaluate investment proposals. Includes: capital budgeting principles, time value of money, basic measures of capital investment desirability and mutually exclusive investments, cash flow identification, risk analysis, capital rationing, multi- criteria capital budgeting and linear programming.

## **EDUC3100**

### **MUSIC IN THE ELEMENTARY CLASSROOM**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC330

This course is designed for the classroom teacher who wishes to enhance their learning environment. These sessions will integrate many elements throughout the curriculum using speech, rhythm, movement, dance and song. Teachers will find this valuable for developing a variety of literacy skills in their students.

## **EDUC4014**

### **TEACHING AND LEARNING FOR A SUSTAINABLE FUTURE**

**Credits: 3**

## **EDUC4019**

### **PERSPECTIVES ON SCHOOLING**

**Credits: 3**

## **EDUC4100**

### **ART AND CREATIVITY**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC426

This course is designed to give basic techniques and skills in visual arts to classroom teachers, P-12, who have limited experience in art making. This course will focus on art education as a growing sequential experience based on the supposition that students build their visual language in the same way as they build their verbal and written language, first by using simple statements and then by compounding them into a more sophisticated form of communication. Specifically, the participants will come to understand visual literacy and to make connections between visual arts and other subjects in the curriculum, including math, science, social studies and language arts. Direct application of the skills and techniques will be made through a variety of media, such as painting, drawing, sculpture, fabric arts and mixed media. By making connections to other subject areas, the participants will build on this understanding and they will discover new and effective strategies for teaching, learning and assessment.

## **EDUC4101**

### **SOCIOLOGY OF EDUCATION**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

In this course, students will explore how Canadian education programs are influenced by the social context within which they are implemented. Students will be introduced to the instructional and social context of teaching. The role of the school in society, the organization and administration of schools and the dynamics of classroom culture will form the basis of the course.

## **EDUC4102**

### **CREATIVE MUSIC**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC428.

This course is for those teachers who have a music degree or strong background experience in music education. The daily program will include pedagogy, basic movement, soprano recorder, and special topics. Instruction will cover Orff techniques, rhythmic and melodic training, improvisation, study of pentatonic scales, the ostinato, simple bordun accompaniments and the elemental form.

## **EDUC4103**

### **INCLUSIVE EDUCATION**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course examines the role of the subject/classroom teacher(s) in the program planning process for inclusive classrooms. A variety of situations will be examined with emphasis on inclusionary practices, appropriate classroom accommodations and professional collaboration. Current special education policies, regulations and resources used in the Nova Scotia school system will provide the framework for program planning process. However, comparisons with other jurisdictions will be made. Evaluation in this course will emphasize both knowledge and practical applications. This course encourages active participation

## **EDUC4104**

### **SUSTAINABLE HAPPINESS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for EDUC435 or COMM435.

Cross-listed with COMM4104 This course will consider happiness and subjective well-being from the perspectives of psychology, communications, interpersonal relationships, community, the environment and ideology by familiarizing students with the research emerging in those areas. Students will also explore the impact that individual and national pursuits of happiness have on the well-being of people around the world and the natural environment. Opportunities for engaging in sustainable happiness (the pursuit of happiness that does not exploit other people, the environment, or future generations) will be addressed. The role of formal and non-formal education in shaping one's view of happiness will be discussed.

## **EDUC4106**

### **PHILOSOPHY AND HISTORY OF EDUCATION**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course examines the historical and philosophic foundations of education in our socially and culturally diverse environment. Prospective teachers are provided with an opportunity to examine a variety of educational problems from a philosophical perspective. Students will explore the nature of education and their role as professional educators. One of the major goals of the course will be for students to develop and articulate a personal philosophy of education.

## **EDUC4107**

### **ASSESSMENT OF AND FOR LEARNING**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course is an introduction to the theory and practice of student evaluation or assessment. The course is designed to provide students with an understanding of the major underlying issues and measurement problems surrounding assessment and will facilitate the student's shift in role from the one being assessed to that of an assessor. Students will examine the process of formulating educational objectives, validity and reliability in student assessment, preparing assessment instruments, scoring, reporting, data analysis and item analysis techniques.

## **EDUC4108**

### **INTEGRATED TECHNOLOGY**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course covers the integration of computer technology used in today's classroom to facilitate learning.

## **EDUC4109**

### **PERSPECTIVES ON SCHOOLING**

**Credits: 3**

Registration for this course is limited to Bachelor of Education students only. This course will examine educational theory and practice within the contexts of the sociological, historical and philosophical perspectives on schooling. Aligning to the core focus of Education for Sustainability, students will be encouraged to examine ecological thinking and its implications for human experiences, relationships and social interaction. Building on personal experiences and knowledge, students will explore the topics of the purpose of schooling, the sociological impacts of schooling, the history and philosophical perspectives of public education, and the implications of concepts such as critical pedagogy, critical thinking and the

hidden curriculum.

## **EDUC4111**

### **FACILITATING A COMPREHENSIVE LITERACY PROGRAM AT THE ELEMENTARY LEVEL**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4011.

This course will focus on strategies, methodology and concepts of teaching and assessing language arts at the elementary level. Topics to be addressed include learning modalities, co-operative learning strategies and strategies to teach writing and reading. Technology and cross-curricular literacy will also be an integral part of this course.

## **EDUC4113**

### **TEACHING AN INTEGRATED SCIENCE CURRICULUM**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4013.

This course will model the delivery of a hands-on, active approach to the teaching of scientific concepts. It will emphasize how to enable students to construct their own understanding of the world of science.

## **EDUC4114**

### **TEACHING AND LEARNING FOR A SUSTAINABLE FUTURE**

**Credits: 3**

Registration for this course is limited to Bachelor of Education students only. This course is designed to allow students to acquire an in-depth knowledge of the theory related to Education for Sustainability (EfS). Students will be introduced to the evolving societal perspectives related to systems thinking, holism, globalization and how key historical events have influenced the development of the scholarship



and practices of Education for Sustainability. The course will focus on the competences for educators in EfS and provide pre-service teacher educators with opportunities to build practical, instructional strategies to implement a holistic approach to learning. The course will allow students to learn from the experiences of teacher, schools, students, and community organizations that have implemented the principles of EfS to organize the learning environment. Relating the principles and practice of EfS to current curriculum documents to identify strategies to meet learning outcomes in the Atlantic Canadian curriculum will be a core focus of the course.

## **EDUC4115**

### **TEACHING AN INTEGRATED SOCIAL STUDIES CURRICULUM**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4015.

This course will introduce teachers to a range of effective strategies to employ in the delivery of an issues-based social studies program. It will focus on issues and themes, which can be easily integrated into all areas of elementary curriculum.

## **EDUC4116**

### **MATHEMATICS AT THE ELEMENTARY LEVEL**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4016.

This course will promote a holistic approach to the teaching of mathematics at the elementary level. Participants will explore methodologies for assessing students' progress in mathematics, taking into consideration the various ways of knowing and learning mathematics. Pre-service teachers will explore the use of math manipulatives and technology as teaching/learning tools, collaborative student work and mathematical literacy.

## **EDUC4117**

### **ASSESSMENT & CURRICULUM INSTRUCTION IN ELEMENTARY EDUCATION**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4017.

The focus of this course is on an interdisciplinary-integrated approach to curriculum delivery in the elementary classroom. Students will design and implement an integrated curriculum as part of course requirements.

**EDUC4118****PRINCIPLES AND PRACTICE OF ELEMENTARY EDUCATION****Credits: 3****Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4018.

This course will model an instructional process that is reflective of developmentally appropriate practice. It will emphasize the importance of incorporating effective practices such as teacher-student relationships, classroom management skills and research-based theories of learning.

**EDUC4121****LITERACY IN THE CONTENT AREAS****Credits: 3****Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4021.

Through a constructivist, hands-on approach, this course will allow students to examine the knowledge, skills, and attitudes necessary to effectively implement the relative theory of reading in subject-specific areas such as history, biology, and mathematics. Students will explore theories of literacy and a variety of strategies for reading, writing and studying.

**EDUC4128**

## **PRINCIPLES AND PRACTICES OF SECONDARY EDUCATION.**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4028.

This course is designed to provide students with the knowledge, skills and understanding required to construct and apply alternative methods of classroom management and discipline. Students will examine contemporary approaches to classroom management and discipline, including a consideration of legal, organizational and administrative issues. Students will gain knowledge and skills in this course that contribute to planning, delivering and evaluating teaching. Furthermore, the course will also emphasize ways to promote desired learning outcomes. The course illustrates specific ways to create a classroom that is a safe and comfortable space in which students and teachers with common goals can work successfully together. Students will be introduced to several models of classroom management, with an emphasis on the constructivist model. The major goal of the course is to enable students to comprehend the basic principles and tenets of a number of management approaches and to translate these principles into specific teaching strategies and skills.

## **EDUC4131**

### **ABORIGINAL STUDIES AT THE ELEMENTARY LEVEL**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4031.

This course provides effective teaching strategies for the teaching and learning of Aboriginal languages and cultures, with emphasis on Mi'kmaq language and culture. Topics include promoting oral traditions, language and culture. (Students completing the Elementary Aboriginal Education option require this course).

## **EDUC4133**

### **TEACHING ENGLISH AS A SECOND LANGUAGE IN AN ADDITIVE BILINGUAL MODEL**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4033.

In this course students explore aspects of learning and teaching a second language. Students will also examine current research and theories as they apply to lesson planning and instruction of ESL (English as a Second Language) learners. (Students completing the Elementary Aboriginal Education option require this course).

## **EDUC4134**

### **INTRODUCTION TO LITERACY & FLUENCY IN ABORIGINAL LANGUAGES**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4034.

This course will focus mainly on the acquisition of the Mi'kmaq language. Students will also examine bilingual language learning approaches for Aboriginal languages. Topics include oral tradition and language immersion.

## **EDUC4135**

### **ADVANCED READING & WRITING IN ABORIGINAL LANGUAGES**

**Credits: 3**

**Prerequisite:**

Introduction to Literacy and Fluency in Aboriginal Languages (or permission from the Instructor and Dean).  
Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4035

This course will continue with the language acquisition theories examined in 'Introduction to Aboriginal Literacy'. The language of instruction for this course will be Mi'kmaq. The focus of this course is to promote the acquisition of written language and to apply bilingual language learning theories to enhance Aboriginal language writing skills.

## **EDUC4136**

## **ABORIGINAL/INDIGENOUS EDUCATION MODELS**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4036.

This course will explore the various theoretical and pedagogical models currently in use in Aboriginal/First Nation schools around the world.

## **EDUC4138**

### **TECHNOLOGY EDUCATION I**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4038.

This course will examine technology education as a field of study, investigating the context within those technologies taught in the Nova Scotia public school program. The course focuses on developing technology supportive learning environments. Students will model social constructivist learning strategies as well as problem-based learning throughout the course. Students will examine the development and selection of teaching strategies and resources, as well as lesson planning, unit planning and assessment. Emphasis will be placed on the effective use of technology as a teaching and learning tool within the field of technology education and across the curriculum.

## **EDUC4139**

### **TECHNOLOGY EDUCATION II**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4039.

This course will examine technology education as a field of study, investigating the context within those

technologies taught in the Nova Scotia public school program. The course focuses on developing technology supportive learning environments. Students will model social constructivist learning strategies as well as problem-based learning throughout the course. Students will examine the development and selection of teaching strategies and resources, as well as lesson planning, unit planning and assessment. Emphasis will be placed on the effective use of technology as a teaching and learning tool within the field of technology education and across the curriculum.

## **EDUC4140**

### **ABORIGINAL STUDIES AT THE SECONDARY LEVEL**

**Credits: 6**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4040.

This course applies effective teaching strategies to the teaching and learning of Aboriginal languages and cultures, with emphasis on Mi'kmaq language and culture. Topics include promoting oral traditions, language, community, culture diversity and traditions from an historical and sociological perspective. (Students completing the Intermediate/Secondary Aboriginal Education option require this course).

## **EDUC4141**

### **SCIENCE AT THE SECONDARY LEVEL I**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4041.

This laboratory course will examine curriculum and effective teaching strategies in teaching science at the secondary level. Laboratory work will be assigned from the intermediate science level and from the teachable area(s) for which students were admitted.

## **EDUC4143**

### **SCIENCE AT THE SECONDARY LEVEL II**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4043.

This laboratory course will examine curriculum and effective teaching strategies in teaching science at the secondary level. Laboratory work will be assigned from the intermediate science level and from the teachable area(s) for which students were admitted.

**EDUC4144****SOCIAL STUDIES AT THE SECONDARY LEVEL I****Credits: 3****Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4044.

This course focuses on the teaching of social studies at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, use of learning resources for social studies, unit planning development, assessment and evaluation.

**EDUC4145****SOCIAL STUDIES AT THE SECONDARY LEVEL II****Credits: 3****Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4045.

This course focuses on the teaching of social studies at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, use of learning resources for social studies, unit planning development, assessment and evaluation.

**EDUC4146**

## **FRENCH SECOND LANGUAGE AT THE SECONDARY LEVEL I**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4046.

This course provides an introduction to Core French and French Immersion programs at the middle and secondary school levels. In this course students will focus on effective second language teaching strategies, lesson planning, use of learning resources, unit planning development, assessment and evaluation.

## **EDUC4147**

## **FRENCH SECOND LANGUAGE AT THE SECONDARY LEVEL II**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4047.

This course provides an introduction to Core French and French Immersion programs at the middle and secondary school levels. In this course students will focus on effective second language teaching strategies, lesson planning, use of learning resources, unit planning development, assessment and evaluation.

## **EDUC4148**

## **FINE ARTS AT THE SECONDARY LEVEL I**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4048.

This course will examine the theories and practices of teaching fine arts within a secondary school context. Students will engage in the examination and development of teaching strategies, lesson



planning, use of learning resources, unit planning development and assessment and evaluation for the effective delivery of the fine arts curriculum.

## **EDUC4149**

### **FINE ARTS AT THE SECONDARY LEVEL II**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4049.

This course will examine the theories and practices of teaching fine arts within a secondary school context. Students will engage in the examination and development of teaching strategies, lesson planning, use of learning resources, unit planning development and assessment and evaluation for the effective delivery of the fine arts curriculum.

## **EDUC4151**

### **ENGLISH LANGUAGE ARTS AT THE SECONDARY LEVEL I**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4051.

This course focuses on teaching English language arts at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

## **EDUC4153**

### **ENGLISH LANGUAGE ARTS AT THE SECONDARY LEVEL II**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4053.

This course focuses on teaching English language arts at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

## **EDUC4154**

### **MATHEMATICS AT THE SECONDARY LEVEL I**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4054.

This course focuses on teaching mathematics at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

## **EDUC4155**

### **MATHEMATICS AT THE SECONDARY LEVEL II**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

**Exclusions:**

Unavailable to students with credit for EDUC4055

This course focuses on teaching mathematics at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

## **EDUC4211**

### **RESOURCE EDUCATION**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course focuses on methods to facilitate learning for elementary and secondary students who require additional instructional supports, resources or assistive technologies. Students will explore strategies such as multiple intelligences and preferred learning styles to encourage and promote learning.

## **EDUC4213**

### **TEACHING MATHEMATICS IN MIDDLE SCHOOLS**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

Students will focus on instructional strategies, learning theories, content, assessment and evaluation in the teaching of mathematics in the middle school class.

## **EDUC4214**

### **GUIDANCE**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course provides an introduction to the principles and practices of guidance services, the role of the school counselor and ways of developing effective interpersonal skills for pre-service teachers to provide guidance for their students.

## **EDUC4215**

### **LEARNING THROUGH DRAMA**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course introduces drama as a valuable teaching and learning strategy. Topics will include: drama curriculum; lesson planning; education theory in drama; and ways of using drama as a learning tool for other subject areas.

## **EDUC4216**

## **ADULT EDUCATION**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course introduces pre-service teachers to adult education research and instructional practice, as a supplement to support and enhance teaching proficiency for multi-aged students through an examination of Adult Education literature and resources, as well as a multitude of related critical, contemporary, and controversial issues.

## **EDUC4217**

### **THE ADOLESCENT LEARNER**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course examines the teaching strategies based on developmental theories of the adolescent learner.

## **EDUC4218**

### **THE MULTI-AGE CLASSROOM**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course focuses on a multi-age pedagogical approach to teaching

## **EDUC4219**

### **CANADIAN HISTORY IN EDUCATION**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

This course examines the history and current trends in the teaching of Canadian history and social

studies on the secondary level. The course stresses the importance of developing a culturally inclusive and contextually integrated approach to Canadian history. Particular attention will also be given to reviewing some of the latest web based learning resources for Canadian history and in developing effective teaching strategies for meeting the learning outcomes of the new Nova Scotia Grade 11 Canadian history course.

## **EDUC4221**

### **COMMUNICATION SKILLS FOR EDUCATORS**

**Credits: 3**

This course is the study of communication in the classroom as a key factor in planning and developing effective presentation and facilitation skills. The selected communications strategies that participants will learn and practice are designed to improve teacher expertise in personal and public communication that will assist them to become more effective communicators within an educational context. Throughout this course, students are given the opportunity to create and test ideas, to develop individual skills and theories and to gain competencies in various communication settings related to educational settings.

## **EDUC4223**

### **GENERAL METHODS**

**Credits: 3**

This course will examine recent research related to teaching subject specific content. Students will be required to complete an applied research project that includes the study of advanced teaching methodology in their major concentration. Topics include alternative approaches to the teaching of the particular discipline, an exploration of current issues and the demonstration of the new methodologies.

## **EDUC4225**

### **DISCIPLINE SPECIFIC METHODS**

**Credits: 3**

This course will allow students to examine the curriculum that corresponds to their individual background within the teachable subjects identified by the Nova Scotia Department of Education. Participants will develop learning activities that will allow their students to meet the general and specific curriculum outcomes as outlined in the APEF curriculum documents. Through collaboration with students specializing within the various teachable subject areas, pre-service teachers will explore strategies for developing interdisciplinary integrated learning activities in order to provide their students with a holistic educational experience. Participants will develop unit plans that reflect a synthesis of the disciplinary-specific pedagogical approaches, integrated curriculum strategies and relevant literature on pedagogy and learning theory.

## **EDUC4989**

## **INTERNSHIP IN THE ELEMENTARY SCHOOL**

**Credits: 15**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

Registration for this course is limited to Bachelor of Education students only. The Internship is an extended school based practicum in which interns apply theories and knowledge of teaching and learning in an elementary classroom setting. Interns develop and apply effective teaching practices to become reflective practitioners. Facilitation of the intern's professional development and the evaluation of the Intern's progress is conducted by the classroom teacher and a university supervisor. The full practicum will be comprised of the following essential components: " Three day (May, first term) introduction to the practical aspects of teaching and school operations " Three day (September, second term) in-class experience in specific elementary/secondary streams (concurrent with methods course) " 15 week in-school supervised practicum (Winter, third term) " Completion of mentored online reflective journal for core courses " Curriculum portfolio development component linking methodology courses to practical teaching (concurrent with methods course).

## **EDUC4999**

### **INTERNSHIP IN THE SECONDARY SCHOOL**

**Credits: 15**

**Prerequisite:**

Registration for this course is limited to Bachelor of Education students only.

Registration for this course is limited to Bachelor of Education students only. The Internship is an extended school based practicum in which Interns develop and apply effective teaching practices to become reflective practitioners in a secondary classroom setting. Facilitation of the Intern's professional development and the evaluation of the Intern's progress is conducted by the classroom teacher and a University Supervisor. The full practicum will be comprised of the following essential components: " Three day (May, first term) introduction to the practical aspects of teaching and school operations " Three day (September, second term) in-class experience in specific elementary/secondary streams (concurrent with methods course) " 15 week in-school supervised practicum (Winter, third term) " Completion of mentored online reflective journal for core courses " Curriculum portfolio development component linking methodology courses to practical teaching (concurrent with methods course).

## **EDUC5100**

### **DEVELOPMENTAL DRAMA**

**Credits: 6**

**Corequisite:**

EDUC5130.

**Exclusions:**

Unavailable to students with credit for EDUC503.

Involves a study of the theory of creative dramatics as seen by its best-known practitioners (Peter Slade, Brian Way, Nelli McCaslin, Winnifred Ward and Dorothy Heathcote) and the application of that theory in ways adaptable to the classroom situation. The course will also encompass the various aspects of play production. Participants will explore methods and materials for conducting improvised dramatic activity in grades P-12.

**EDUC5101****ASSESSMENT OF SOFTWARE & INFORMATION TECHNOLOGY APPLICATIONS FOR EDUCATION****Credits: 3****Exclusions:**

Unavailable to students with credit for EDUC531 or EDUC534.

This course offers instruction in software reviews, software evaluation models, assessment and selection. How, when, where, how often and under what context will software be used in an educational setting will be stressed. Appropriate and inappropriate software applications for use within the classroom will be considered. In order to put theory into practice, designing activity packages and incorporating educational software into lesson plans will be undertaken.

**EDUC5102****THE MEANING & PURPOSE OF CURRICULUM****Credits: 6****Exclusions:**

Unavailable to students with credit for EDUC510.

Attempts to answer the question: What should schools teach? Drawing on curriculum theory, education history and current reports on education, students will articulate a comprehensive answer to the question. Curriculum planning and development skills will also be encouraged through group work and individual resourcefulness.

**EDUC5103****INTEGRATION OF INSTRUCTIONAL DESIGN & INFORMATION TECHNOLOGY****Credits: 3****Exclusions:**

Unavailable to students with credit for EDUC533 or EDUC534

Investigates instructional design concepts and learning theory which are utilized in the integration of educational software. The many types of educational software will be discussed. Instruction in both the effective use of software to enhance teaching and in techniques involved in incorporating this across the curriculum will be given. Hyper-media on the Web, as an available software resource, will also be considered. Levels, approaches, variables, objectives and assessment of the integration of education software will be investigated.

## **EDUC5104**

### **APPLICATIONS OF LEARNING THEORY IN EDUCATION MULTI-MEDIA DESIGN**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for EDUC535 or EDUC543.

Will provide educators with an in-depth look at the principles of constructivist and cognitive-based processes and the impact of technology on learning in a variety of educational contexts. Educators will also have the opportunity to apply student information technology research techniques to the production of instructional units that can be shared with their peers. Participants will use current software as the basis for understanding and developing these learning principles and will design a teaching unit to exhibit them.

## **EDUC5105**

### **DESIGNING WEB-BASED LEARNING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for EDUC537 or EDUC543.

Will look at the implications of Multiple Intelligence Theory on educational reform and the connection between MI and technology use in the classroom. A learner-based inquiry model (such as the I-Search process webquests and project based learning) will be used as the vehicle for participants to explore the principles of Web page design in a constructivist-based learning framework. Online tools will be used for mastering the techniques of Web page design to deliver and improve instruction.

## **EDUC5106**

### **TECHNOLOGY PLANNING FOR EDUCATIONAL ENVIRONMENTS**

**Credits: 3**

**Exclusions:**



Unavailable to students with credit for EDUC539.

Designed to assist educators in developing a comprehensive plan for the integration of technology into the teaching/learning process. Learners will research a broad range of existing and emerging technologies and their applications in a learning environment as well as the constructs of the technology planning process. This research will then be applied to formulating a classroom-level technology plan.

## **EDUC5107**

### **INFORMATION MANAGEMENT IN EDUCATION ENVIRONMENTS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for EDUC541.

Explores information management from an educator's point of view as well as researching electronic performance support systems and their implications for education and educators. Participants will develop a web-based personal electronic performance support system that will contain tools and information to aid the performance of that particular individual as an educator in a technology-rich, ever-changing educational environment.

## **EDUC5108**

### **EDUCATIONAL TECHNOLOGY FOR THE PRACTICING TEACHER**

**Credits: 3**

**Prerequisite:**

Students must be enrolled in the Diploma in Educational Technology.

**Exclusions:**

This course examines applications of educational technology used in today's classroom to promote learning. Students should be able to demonstrate a basic knowledge of computers before taking this course. Students will explore technology use from a practical perspective, using various tools in an education context to enhance the learning/teaching process. Teachers will investigate technology integration from a curricular perspective, transforming and synthesizing educational technology in respect to their area of specialization and current practice. Participants will be required to contribute to a collaborative-learning process through which they will develop knowledge and skills related to effectively applied educational technology interventions.

## **EDUC5109**

### **AN INTRODUCTION TO THEORIES & ISSUES IN COUNSELLING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for EDUC550.

Examines the historical, philosophical, psychological and sociological bases of the major approaches to counseling. Also explores the central issues in counseling and the social context of those issues. Special reference will be made to the particular concerns of the Cape Breton community by introducing students to the notions of culture, enculturation, socialization and ethnocentrism.

**EDUC5110****TEACHING CANADIAN CULTURE****Credits: 6****Exclusions:**

Unavailable to students with credit for EDUC511

Explores two aspects of culture and curriculum: a) art, music, drama and literature in a Canadian and regional context; and b) multi-cultural, ethnic and race issues in Canada.

**EDUC5111****CULTURAL ISSUES IN AN EDUCATIONAL SETTING****Credits: 3****Exclusions:**

Unavailable to students with credit for EDUC554.

Designed to provide those in counseling roles with an understanding of the cultural forces which shape the lives of individuals and groups. Drawing on the work of sociologists, psychologists, anthropologists and educationalists, the course highlights gender issues, race and ethnic relations, class differences and issues and school and youth culture.

**EDUC5112****LEARNING RESOURCES****Credits: 6****Exclusions:**

Unavailable to students with credit for EDUC512

Focuses on the human and material resources used in teaching and the relationship between those resources and the classroom experience of the child. In addition to identifying and evaluating curriculum

materials, the course looks at adapting the learning situation to the needs of the child. Special emphasis is put on developing an effective classroom, especially for at risk students.

## **EDUC5113**

### **HUMAN RELATIONS DEVELOPMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for EDUC556.

The purpose of this course is to enhance the human relations skills of the student. Topics will include interviewing skills, group dynamics and conflict resolution.

## **EDUC5114**

### **CAREER COUNSELLING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for EDUC560.

Examines the theory and practice of career development and career counseling as a basis for introducing the student to the skills of adolescent career counseling. Special attention is given to assessing client needs: sex, race and class issues in career counseling for gifted children; promoting child self-understanding; career information services; interest and aptitude tests and utilizing community resources.

## **EDUC5115**

### **RESEARCH METHODS FOR EDUCATION**

**Credits: 3**

**Prerequisite:**

EDUC5108

This course is designed to introduce students in CBU's Graduate Diploma in Educational Technology to the essential elements which underpin the planning, implementation, evaluation and reporting of educational research. Students will also become familiar with CBU's application policy and procedures for research involving humans.

## **EDUC5116**

## **TECHNOLOGY IN THE SCIENCE CLASSROOM**

**Credits: 1**

This will introduce students to the various forms of technology available to teachers responsible for delivering the Nova Scotia public school science curriculum. Students will complete a series of hands-on learning activities that illustrate how these learning tools can be effectively integrated into the science classroom.

## **EDUC5117**

### **THE NATURE OF WESTERN SCIENCE**

**Credits: 3**

Students will critically evaluate the application of learning theory to teaching science in the elementary and intermediate classroom. Topics include current research on hands-on/inquiry teaching, concept mapping, student misconceptions, learning/teaching styles, alternative assessment, gender differences, learning environments, action research, and knowledge transfer to provide a context for the history of science literacy and educational literacy. Strategies for fostering an interdisciplinary science program based on Nova Scotia curriculum and assessment standards will be presented through hands-on activities.

## **EDUC5118**

### **DESIGN & MANAGE A CLASSROOM LABORATORY**

**Credits: 1**

This laboratory course is designed to reinforce laboratory-based teaching skills in science. It will help teachers to implement and prepare inquiry-based elementary/junior high science teaching activities. Basic skills and activities will be investigated to become a more effective hands-on teacher. It will provide laboratory specific training that will focus on: practice in basic laboratory skills such as making solutions and lab safety; further develop skills in covering cookbook science activities into inquiry-based experimental systems for students; practice in planning, setting up and delivering inquiry-based activities in the classroom or lab environment. Required for Certificate in Science Education.

## **EDUC5119**

### **TWO-EYED SEEING (TES) IN THE SCIENCE CLASSROOM**

**Credits: 3**

'Two-Eyed Seeing in the Science Classroom' will be constructed in a 'learn by doing' format. To accomplish this, course content will focus on experiential lessons (ie: self-directed assignments and reflective exercises) in integrative Science and the learning theory supporting the desired student outcomes. As an example of science teaching within divergent world views, Integrative Science embodies

the common ground between Indigenous and Western scientific knowledge and ways of knowing with a respectful recognition of differences. The classes concentrate on the principles of Two-Eyed Seeing using visual presentations and readings which support the self-directed experiential exercises. These exercises, drawing on several of the Multiple Intelligences, provide fertile seeds for a reflective examination of students' own teaching and learning styles. At the conclusion of the course students will create a teaching module for use in their own classroom. Required for Certificate in Science Education.

## **EDUC5120**

### **ISSUES IN PLANNING, DESIGNING, & DEVELOPING CURRICULUM**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC513.

An advanced-level seminar course that is intended to develop educational leaders with a strong curriculum background. This seminar explores a number of influences academic, political and popular on curriculum and encourages self-reliant leadership in dealing with those influences.

## **EDUC5121**

### **MATH FOR THE SCIENCES**

**Credits: 1**

This course focuses on the mathematical underpinnings of science. Through hands-on investigation and reflection, students will examine the means by which mathematics facilitates scientific inquiry. Course topics will include data analysis, probability and statistics, basic algebra, identifying patterns, and simulation. Scientific contexts will include chemistry, physics, biology, oceanography and environmental science. Students will gain experience in electronic data-logging and analysis. Required for Certificate in Science Education

## **EDUC5122**

### **RESEARCH/CURRICULUM DEVELOPMENT**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC514.

Introduces the students to the major issues and methods in curriculum design and development. Special attention is given to the use of technology in curriculum research. Students are expected to plan, design and develop a real or proto-type curriculum for a classroom, school system or province.

## **EDUC5123**

### **LIFE & PHYSICAL SCIENCE I**

**Credits: 3**

This course will focus students' reflection about their own teaching and discussion forums on the best approach to the elementary and intermediate science curriculum as it relates to chemistry and biology, and the main difficulties that arise. A variety of activities, experiments, and reading resources for students to use in their daily work will be developed. Examples of the interdisciplinary nature of the chemistry and biology will be discussed including the building blocks of chemistry and biology, heat, matter, food chains and habitats. This will help students to relate everyday chemistry and biology to what they learn in the classroom, and to develop inquiry-based methods for meeting the science curriculum outcomes. Required for Certificate in Science Education.

## **EDUC5124**

### **IMPLEMENTING SCIENTIFIC INQUIRY IN THE CLASSROOM**

**Credits: 3**

This course is intended to give educators a first-hand experience of the student's perspective within a scientific inquiry-based learning environment. It will also provide students with an opportunity to practice constructing teaching modules. This course will focus on some interdisciplinary subjects within science such as climate change, human impact on the environment, planetary astronomy, etc. Students will explore the subject area through a sequence of inquiry-based units. At the conclusion of the course students will create a teaching module based on their findings from one of the units explored earlier in the course. Required for Certificate in Science Education.

## **EDUC5125**

### **EARTH, SPACE & PHYSICAL SCIENCE II**

**Credits: 3**

Students will explore how the study of the Earth teaches us about physics and how our knowledge of physics assists us in understanding the Earth. Topics covered will include weather, gravity, fluids, plate tectonics, waves including seismic waves, fracturing, buckling and radioactivity. Experiments and field trips will allow students to explore physics and Earth science in a hands on mode. Within each major topic students will develop and present a teaching module in which ideas from the unit are presented in a manner suitable for elementary, junior high or high school students. Required for Certificate in Science Education.

## **EDUC5126**

### **ASSESSMENT IN SCIENCE EDUCATION**

**Credits: 3**

This course will examine some of the emerging trends in assessing student progress and achievement in the science classroom. Participants will design, develop, and implement authentic assessment strategies in their own classrooms. Emphasis will be placed on performance based assessment and evaluation of the dimensions of scientific literacy. The teacher- students will be required to provide critical reflection on the theory- into-practice activities, supporting their online dialogue with current research on student evaluation practices. Required for Certificate in Science Education.

## **EDUC5127**

### **SEMINAR: RESEARCH TRENDS & CURRICULUM DEV FOR THE SCIENCE CLASSROOM**

**Credits: 3**

This seminar-style course focuses on an analysis of research trends in science education and how much trends relate to the broader educational community. In this course students have a forum for discussion and presentation of their inquiries, which contributes to preparing them evaluate and conduct research in science education as teacher -inquirers. The ultimate goal is to support students in developing and articulating a theoretical and research -based framework for NS public school science programs. Participants will examine the assumptions and limits of a variety of research approaches and reflect on how research might inform practice. Required for Certificate in Science Education.

## **EDUC5128**

### **RESEARCH & DEVELOPMENT OF A SCIENCE UNIT**

**Credits: 6**

This capstone course will require students to produce and present a researched unit within a specific strand of the Nova Scotia science curriculum, implementing the major tenets of scientific inquiry and/or problem based learning. Students will report on a pilot of the developed unit and incorporate the findings into the final product. Required for Certificate in Science Education.

## **EDUC5130**

### **PHENOMENOLOGY OF CHILDHOOD**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC520

In order to explore and utilize the potential of the arts in education, it is appropriate to examine the central role of aesthetic learning in a child's development. This course will provide an opportunity to examine the key stages in psychological development, connecting them with the arts and focusing on a thematic analysis of the child's experiential world. Through this analysis, the students will develop an understanding of the following processes:

- o Theory of multiple intelligences
- o Theories of creativity
- o

## **EDUC5131**

### **DIGITAL CITIZENSHIP IN A GLOBAL COMMUNITY**

**Credits: 3**

Digital citizenship can be defined as the norms of appropriate and responsible behaviour online. Within this course we will examine digital citizenship from two major perspectives: responsible use in the K-12 environment and the world beyond schools. Within each perspective we will review policy and practice, rights and responsibilities, safety and security, as well as health and wellness. Some specific themes include cyberbullying, digital etiquette, access, copyright, borderless classrooms, the digital divide and civic engagement.

## **EDUC5132**

### **PRINCIPLES OF COMPUTING & IMPLICATIONS FOR INSTRUCTION**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC530.

A comprehensive overview of microcomputers and popular application software with respect to their use as educational tools. Topics include hardware and software basics, database, applications and management, word processing, spreadsheets, telecommunications and networking, multimedia and trends in computer technology. Assignments focus on educational application by teachers and students.

## **EDUC5142**

### **INDIVIDUAL TESTING**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for EDUC552

Provides students with a basic level of understanding of such individual tests of intelligence and other abilities as the Wechsler, Stanford-Binet and Peabody and their place in the counseling process. Also provides the students with an historical and cultural context for individual testing.

## **EDUC5150**

### **THE IDENTIFICATION & REMEDIATION OF LEARNING PROBLEMS**



## **Credits: 6**

### **Exclusions:**

Unavailable to students with credit for EDUC558.

Examines various learning problems and shows how those learning problems influence performance and adjustment in school. Intervention strategies are reviewed and practical application for school settings are designed. Special attention is paid to identifying at risk students and stay in school programs.

## **EDUC5800**

### **APPLIED RESEARCH PROJECT**

## **Credits: 6**

### **Prerequisite:**

21 credits from EDUC5132, EDUC5101, EDUC5103, EDUC5104, EDUC5105, EDUC5106, EDUC5107.

### **Exclusions:**

Unavailable to students with credit for EDUC548 or EDUC538.

An important component of the program. Students conduct research in an area of technology and apply it in an educational setting. Research projects are subject to the approval of the research project advisor.

## **EDUC5802**

### **APPLIED/RESEARCH PROJECT**

## **Credits: 6**

### **Corequisite:**

EDUC5810.

### **Exclusions:**

Unavailable to students with credit for EDUC598.

Designed specifically for those students enrolled in the Certificate in Educational Studies. Students will work with a project advisor appointed by CBU and in conjunction with a mentor from their respective school boards. Over a seven-month period, students will carry out and report on a research project consistent with a stated school board priority.

## **EDUC5810**

### **ADVANCED GRADUATE SEMINAR**

## **Credits: 6**

### **Prerequisite:**

EDUC5100 and EDUC5130.

### **Exclusions:**

Unavailable to students with credit for EDUC599.

Designed specifically for those students enrolled in the Certificate in Educational Studies. Under the supervision of a professor appointed by CBU, students will participate in a graduate-level seminar related to the educational priorities of their respective school boards. Required readings will be assigned in accordance with students' specific interests

## **EDUC5991**

### **COUNSELLING PRACTICUM I**

## **Credits: 3**

### **Prerequisite:**

21 credits from EDUC5109, EDUC5142, EDUC5111, EDUC5113, EDUC5150, EDUC5114.

### **Exclusions:**

Unavailable to students with credit for EDUC562.

Designed to prepare students for their field work segment in Counseling Practicum II. Students learn about the ethical and legal implications of the counselor's work: the relationship to police, courts and various community intervention programs; recording interviews; counseling techniques; stress management and crisis intervention. Students are assigned a mentor with whom they will apprentice for two hours per week in the mentor's professional milieu. Students also have an opportunity to share these initial field experiences during the regular class meetings.

## **EDUC5993**

### **COUNSELLING PRACTICUM II: FIELD WORK**

## **Credits: 3**

### **Corequisite:**

EDUC5991

### **Exclusions:**

Unavailable to students with credit for EDUC564.

Designed to provide an opportunity for students to obtain some initial first-hand field experience in guidance and counseling. The student will work under the supervision of a counselor/mentor in a

professional setting and will be required to assume a counseling role or integrate guidance skills in the classroom, under the counsellor/mentor's supervision, accumulating approximately 80 hours of practicum experience . Students will also participate in weekly online activities to reflect on their experiences.

## **EDUC6101**

### **FUNDAMENTALS OF SUSTAINABILITY**

**Credits: 3**

**Prerequisite:**

Students must be enrolled in the MEd (SCI)

**Note:**

Course description added to RADAR Feb 19, 2016

This course will introduce students to an interdisciplinary inquiry into the complexities of sustainable development and sustainability. The course outlines sustainability and sustainable development using a balanced perspective as it is understood through the social sciences (people, cultures, empowerment, education and health), nature and the environment, and prosperity and the economy. The three pillars of sustainability (people, planet, prosperity) will form a core organizational strategy and a systems orientation will allow students to understand the fundamental reasons for unsustainable practices. Students will inquire into positive local, national and international efforts in economic development , as it is related to social and enterprise entrepreneurship, in education, in health and in social justice by becoming familiar with the growing body of sustainability scholarship and by identifying future trends that will challenge existing paradigms, yet also open up opportunities for societal change and transformation.

## **EDUC6103**

### **EDUCATION FOR SUSTAINABILITY & ENTREPRENEURSHIP**

**Credits: 3**

**Prerequisite:**

Students must be enrolled in the MEd(SCI)

**Note:**

Course description added to Calendar Feb 26, 2016

This course is designed to allow students to acquire an in-depth knowledge of the theoretical underpinnings of Education for Sustainability (EfS) and trace its historical and cultural growth through Chapter 36 of Agenda 21 to the Earth Charter and beyond. This course is designed to allow students to acquire an in-depth knowledge of the theoretical underpinnings of Education for Sustainability (EfS) and trace its historical and cultural growth through Chapter 36 Agenda 21 to the Earth Charter and beyond. The course will focus on the EfS competences, entrepreneurship education, creativity and innovation, providing students with opportunities to build practical, instructional strategies through active inquiry and discovery that enable people to turn ideas into action.

## **ELEC1161**

### **FUNDAMENTALS OF ELECTRICITY I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ELEC111.

The solution of DC and AC networks as a foundation for specialization in power, instrumentation or communication options.

## **ELEC1164**

### **FUNDAMENTALS OF ELECTRICITY II**

**Credits: 3**

**Prerequisite:**

ELEC1161.

**Exclusions:**

Unavailable to students with credit for ELEC122.

The solution of DC and AC networks as a foundation for specialization in power, instrumentation or communication options.

## **ELEC1165**

### **ANALOG ELECTRONICS CIRCUITS**

**Credits: 3**

**Prerequisite:**

ELEC1161 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for ELEC253.

An applications-oriented course based on semi-conductor electronics. Systems are analog in the sense that the components and circuits deal with continuously variable signals as opposed to discrete digital systems. Students will be exposed to the similar design and simulation tools utilized by industry such as Pspice and Electronics Workbench. Topics include review of bipolar junction transistors (BJT) and basic DC analysis, AC modeling, AC analysis, BJT amplifiers and frequency response

## **ELEC2160**

### **PROCESS MEASUREMENTS**

**Credits: 6**

**Prerequisite:**

PHYS1201.

**Exclusions:**

Unavailable to students with credit for ELEC213.

The concept of process measurement as used in process industries. Includes an in-depth study of transducers for pressure, temperature, level and flow. Hands-on applications.

## **ELEC2161**

### **PROCESS MEASUREMENTS 1**

**Credits: 3**

**Prerequisite:**

: ELEC1164 and ELEC1165

**Exclusions:**

Unavailable to students with credit for ELEC2160

This course will introduce the student to Industrial Process measurements such as instrument air systems, calibration concepts, pressure based electronic and pneumatic instruments. Delta P level and non-contact level principles and instruments are also covered.

## **ELEC2161L**

### **PROCESS MEASUREMENTS 1 LAB**

**Credits: 0**

## **ELEC2162**

### **CONTROL SYSTEMS**

**Credits: 6**

**Prerequisite:**

ELEC2160.

**Exclusions:**

Unavailable to students with credit for ELEC365.

An advanced study of theoretical, industrial control system techniques and concepts with emphasis on control system design, configuration, modeling and performance evaluation.

## **ELEC2163**

### **LINEAR INTEGRATED CIRCUITS**

**Credits: 3****Prerequisite:**

ELEC1165.

**Exclusions:**

Unavailable to students with credit for ELEC244

Linear integrated circuit applications are examined. Emphasis is on operational amplifier circuits including comparators, inverting and non-inverting amplifiers, signal generators and active filters. Op-amp DC and AC performance is analyzed. Other circuits studied include the 555 timer.

## **ELEC2165**

### **SIGNALS & CONTROLS**

**Credits: 3****Exclusions:**

Unavailable to students with credit for ELEC267.

This course will introduce the classification of signals and systems, signal and system properties and their applications, linear time-invariant systems, periodic signal and Fourier series, continuous-time Fourier transform, Laplace transform, z-transform and their application mainly in control and communication systems.

## **ELEC2166**

### **INDUSTRIAL ELECTRONIC CIRCUITS**

**Credits: 3**

**Prerequisite:**

ELEC1165

**Exclusions:**

Unavailable to students with credit for ELEC283.

A study in the theory and analysis of solid-state components used in industrial control devices. Topics include FETS, SCR, TRIAC, DIAC and an introduction to light and light sensors.

## **ELEC2167**

### **MACHINES & CONTROLS**

**Credits: 3**

**Prerequisite:**

ELEC1164.

**Exclusions:**

Unavailable to students with credit for ELEC284.

Study of DC and AC machines, focuses on the application of voltage and torque calculations to the selection of generators and motors in typical circuit applications. Students will gain experience in the laboratory working with machines in a controlled environment. Study of industrial machine control systems includes start/stop and speed control of DC and AC motors.

## **ELEC2168**

### **PROGRAMMABLE LOGIC CONTROLLERS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ELEC345.

The role of special use computers in the electrical power industry. Develops expertise in logic controller programs.

## **ELEC2169**

### **TECHNOLOGICAL THESIS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ELEC355.

A 3,000+ word thesis in the discipline area in which registration or certification is sought. See Department Chair.

**ELEC2261****PROCESS MEASUREMENTS 2****Credits: 3****Prerequisite:**

ELEC2161

**Exclusions:**

Unavailable to students with credit for ELEC2160

This course will serve as the second course in industrial instrumentation. The theory and application of electronic and mechanical sensors for temperature and flow are presented in detail. Flow meters for liquids, steam and mass flow are discussed as well as flow meter sizing. Measuring steam flow is an essential part of maintaining steam heating systems

**ELEC2361L****PROCESS MEASUREMENTS I LAB****Credits: 0****ELEC2363L****PROCESS MEASUREMENTS II LAB****Credits: 0****ELEC2364L****PROCESS CONTROLS I LAB****Credits: 0**



## **ELEC2365L**

### **PROCESS CONTROLS II LAB**

**Credits: 0**

## **ELEC3161**

### **EMBEDDED OPERATING SYSTEMS**

**Credits: 3**

**Prerequisite:**

ENGI2167

**Exclusions:**

Unavailable to students with credit for ELEC411.

The student will be able to use a variety of embedded operating systems in the application of development of electronic solutions for design challenges. In particular, the student will develop skills programming techniques, with assembly language and to physically build circuits to implement these programs.

## **ELEC3163**

### **DIGITAL SIGNAL PROCESSING**

**Credits: 3**

**Prerequisite:**

MATH1206 or MATH2205.

**Exclusions:**

Unavailable to students with credit for ELEC412.

The student will develop a basic understanding of immensely powerful digital signal processing techniques, a skill needed by scientists as well as engineers, through demonstrations and the application of basic techniques. Complex number systems are treated as an advanced topic that underpins and extends the power of digital signal processing.

## **ELEC3164**

### **MICROELECTRONIC DESIGN TOOLS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for ELEC421.

The student will be able to apply techniques in a wide variety of microelectronics design environments. This course provides experience in applying design tools such as Pspice, Xilinx Web Pack and MatLab to basic systems solutions. Also included are applications of advanced industrial design tools such as Mentor Graphics, Cadence Analog Workbench and CMC Design Flow for Digital Systems.

## **ELEC3165**

### **APPLIED INTEGRATED CIRCUIT SYSTEMS**

## **Credits: 3**

### **Prerequisite:**

ELEC3164

### **Exclusions:**

Unavailable to students with credit for ELEC422

The course will be an advanced digital systems design with VHDL. It will discuss the description of both Moore-and Mealy-type finite state machines (FSMs) and the development of state machine diagrams to abstractly represent an FSM's algorithm. It discusses an alternate way to graphically represent an FSM using an algorithm state machine (ASM) chart and how to convert ASM charts to VHDL.

## **ELEC3166**

### **APPLIED WIRELESS SYSTEMS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for ELEC432.

Students will be able to apply wireless design techniques using spread spectrum systems and enhance their understanding of wireless techniques used in all types of communications systems and products. An intuitive approach is used to provide a real feel for the technology, with applications to many types of wireless networks.

## **ELEC3167**

### **MEDICAL INSTRUMENTATION**

## **Credits: 3**

**Prerequisite:**

ELEC253, ELEC213, ELEC244, ELEC1165, ELEC2160, or ELEC2163.

**Exclusions:**

Unavailable to students with credit for ELEC422.

This course serves as an introduction to the methods and devices that are required to make measurements of biomedical quantities. Includes in-depth study of transducers for pressure, temperature, level and flow. Laboratory exercises will give students opportunities to design circuits to make these measurements.

## **ELEC3737**

### **SELECTED TOPICS IN ELECTRONICS**

**Credits: 3**

This course provides a forum for directed study on a number of issues and concerns within the present state of the field of electrical engineering and electronics industry. Each issue is dealt with in modular form. Topics include electric cars, power distribution, fiber optics, environmental sustainability, air pollution and the generation of electricity and quality management.

## **ELEC4101**

### **ADVANCED PROCESS CONTROLS**

**Credits: 3****Prerequisite:**

ELEC2162 and ELEC3163

This course will introduce the student to Delta V distributed control systems. Engineering application of any scope can be cost-effectively implemented with this platform. This platform, common in the petrochemical and other process industries, will be used to implement control strategies introduced in previous courses in process measurements and controls

## **ELEC4101L**

### **ADVANCED PROCESS CONTROLS LAB**

**Credits: 0**

## **ELEC4103**

## **ADVANCED PROGRAMMABLE LOGIC CONTROLLERS**

**Credits: 3**

**Prerequisite:**

ELEC2168 and ELEC3164

This course will introduce the student to the Contro-Logix family of Programmable Logic Controllers with tag based programming, PLC communications, Operator Interfaces and function block programming. Using the newer tag based addressing of the compact-Logix Programmable Logic Controller students are introduced to topics commonly found in industry such as: indirect addressing, subroutines, Ethernet IP addressing and communications and graphical operator interfaces

### **ELEC4103L**

## **ADVANCED PROGRAMMABLE LOGIC CONTROLERS LAB**

**Credits: 0**

### **ELEC4104**

## **ANALYTICAL INSTRUMENTATION**

**Credits: 3**

**Prerequisite:**

ELEC2261 and ELEC3164

Process analyzers are used in every aspect of the process industries from quality control, emissions monitoring, environmental compliance and personal safety. This course will introduce the student to analytical instruments (ei. PH and ORP analyzers, Oxygen sensors and thermal conductivity meters, Gas Analyzers and liquid chromatography), found in process industries for quality control, safety as well as the measurements required for environmental monitoring and compliance.

### **ELEC4104L**

## **ANALYTICAL INSTRUMENTATION LAB**

**Credits: 0**

### **ELEC4105**

## **ELECTROMAGNETIC DEVICES**

**Credits: 3**

**Prerequisite:**

ELEC2167 and ELEC3165

This course will introduce the student to specialized single phase and three phase motors as well as their control and associated cost of operation. Students will explore advanced topics in the selection of motors, and the operation of specialized motors and controls. This course will also introduce students to the concept of power quality, time constraints related to single term motors and also the generation of electricity using wind and water turbines.

## **ELEC4105L**

### **ELECTROMAGNETIC DEVICES LAB**

**Credits: 0**

## **ELEC4106**

### **INDUSTRIAL ELECTRONIC SYSTEMS**

**Credits: 3**

**Prerequisite:**

ELEC2166 and ELEC3164

The student will study electronic systems application in an industry setting. The student will focus on design, operation and maintenance philosophies according to applicable codes and standards. Some equipment and topics covered include: Electronic Grounding, Diesel generators, Inverters, Rectifiers, Batteries, Cable Separation, Variable Frequency Drives, and Component Layout and Human factors.

## **ELEC4106L**

### **INDUSTRIAL ELECTRONIC SYSTEMS LAB**

**Credits: 0**

## **ELEC4107**

### **POWER SYSTEM DESIGN**

**Credits: 3**

**Prerequisite:**

ELEC3163

This course will introduce the student to the principles of lighting design. Topics will include: Feeder design, protective devices and cable selection. The course will introduce the concepts of power efficiency and power distribution. Multiple source generation will be examined and the planning and design of these distribution systems will be discussed.

**ELEC4107L****POWER SYSTEM DESIGN LAB****Credits: 0****EMGN4101****KEYSTONE TO EMERGENCY MANAGEMENT****Credits: 3****Exclusions:**

Unavailable to students with credit for EMGN401 or EMGN4100.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. An introduction to the fundamentals of emergency management with particular emphasis on how it is practiced on Canada. Students will learn the history and core principles of emergency management, the nature of emergencies and the role of that graduates can expect to play.

**EMGN4103****TAXONOMY AND ANATOMY OF HAZARDS****Credits: 3****Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN404 or EMGN4112.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course will provide students with an understanding of the science and causes of the full range of natural, technological and human-caused hazards that face

individuals, families, businesses and communities. It will also provide opportunities to polish skills in communicating that knowledge an understanding to others.

## **EMGN4104**

### **RESPONSE: WHO'S RUNNING THE SHOW?**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN402 or EMGN4102

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Response operations can be complex, demanding and unexpected. This course provides students with the concepts, considerations and techniques necessary to produce and execute plans that allow an organization to take appropriate response actions that will sustain operations for as long as required.

## **EMGN4105**

### **LEADERSHIP: BLACK, WHITE OR GREY?**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN401 or EMGN4100.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Leadership is a crucial skill for the emergency manager. This course provides students with the opportunity to reflect on their own personal traits and capabilities; then apply the best of current leadership theory to strengthening their skills as competent and confident leaders.

## **EMGN4106**

### **HEALTH EMERGENCY MANAGEMENT GLOBALLY**

**Credits: 3**

**Prerequisite:**

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course provides health specialties with a broad exposure to a wide range of national and international health organizations and agencies with an emergency management focus.

## **EMGN4201**

### **CULTIVATING EMERGENCY MANAGEMENT ALLIANCES**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN402 or EMGN4102.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Building partnerships and alliances, integrating emergency management efforts, networking, coordinating and team building are all core competencies for the emergency management partners; and how best to cultivate and manage alliances between and among them.

## **EMGN4203**

### **FROM RISK TO RESILIENCE**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN401 or EMGN4100.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. A resilient community or organization is one which has, to the extent possible, reduced risk and enhanced its sustainable capacity. This course introduces students to the process of risk and vulnerability assessment, and provides the information and analytical tools necessary to develop mitigation strategies drawing particularly on the strength of social capital.

## **EMGN4204**

### **RECOVERY: BUILDING THE NEW NORMAL**



## **Credits: 3**

### **Prerequisite:**

EMGN4101

### **Exclusions:**

Unavailable to students with credit for EMGN40 or EMGN4120.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Achieving the "new normal" is a complex social process within the recovery phase of emergency management. This course provides students with the applicable concepts, principles and techniques necessary to manage recovery.

## **EMGN4205**

### **MANAGING MANAGEMENT**

## **Credits: 3**

### **Prerequisite:**

EMGN4101

### **Exclusions:**

Unavailable to students with credit for EMGN406 or EMGN4122.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Overseeing an emergency management program requires a sound understanding of the best of contemporary management thinking. This course provides students with the information and tools necessary to develop and apply both their administrative and self-management skills.

## **EMGN4206**

### **HEALTH EMERGENCY MANAGEMENT IN CANADA**

## **Credits: 3**

### **Prerequisite:**

EMGN4106

### **Exclusions:**

May not be substituted for EMGN4989 or EMGN4999

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course provides health specialists with an understanding of emergency management as it applies to the Canadian health system. The mandates and roles of relevant

organizations and agencies will be studied with a view of incorporating best practices into health emergency management activities at the local level.

## **EMGN4301**

### **COMMUNICATING EMERGENCY MANAGEMENT**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN406 or EMGN4122.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course provides students with knowledge and skills necessary to manage public awareness, public education, emergency information and crisis communication programs. In addition, it offers an opportunity to polish verbal and written skills, as well as competence in interpersonal communication.

## **EMGN4303**

### **BUSINESS CONTINUITY MANAGEMENT**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN403 or EMGN4110.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course presents a holistic business continuity management process addressing resilience strategies, recovery objectives, business continuity, operational risk management considerations and crisis management plans. On completion, students will be eligible to write the qualifying examination for certification as an associate business continuity professional (ABCP).

## **EMGN4304**

### **EXPLOITING THE POTENTIAL OF TECHNOLOGY**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN403 or EMGN4110

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course provides students with exposure to a wide range of current and emerging technology hardware and applications. In addition, students will apply theoretical knowledge to practical situations using an emergency management software suite.

## **EMGN4305**

### **EMERGENCY MANAGEMENT IN A GLOBALIZED WORLD**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

Unavailable to students with credit for EMGN405 or EMGN4120.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course will provide students with an understanding of the global community - the international arena - within which increasing interdependent emergency planning and operations take place. Emphasis will be placed on the importance of interoperability between and among organizations as diverse as the United Nations, multinational corporations and "mom and pop" non-governmental organizations.

## **EMGN4989**

### **EMERGENCY MANAGEMENT PRACTICUM**

**Credits: 6**

**Prerequisite:**

Completion of 30 EMGM credits.

**Exclusions:**

Unavailable to students with credit for EMGN407 or EMGN4130. Practicum must not include prior completed work within host organization.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This seven-month practicum will provide students with an opportunity to apply their theoretical knowledge in a practical setting. They will work with a host organization approved by the university to conduct a specific project as negotiated between the student, instructor and host organization.

## **EMGN4999**

### **INDEPENDENT STUDY IN EMERGENCY MANAGEMENT**

**Credits: 3**

**Prerequisite:**

EMGN4101

**Exclusions:**

May not be substituted for EMGN 4989

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course is offered to students whose prior learning and/or experience meets the requirements of an emergency management course. It will allow the student to conduct independent research into an aspect of emergency management of particular personal and professional interest or relevance.

## **ENGI1101**

### **INTRODUCTION TO PROFESSIONAL ENGINEERING**

**Credits: 3**

This course will introduce the student to the engineering profession in Canada including provincial engineering statutes, engineering ethics, health and safety, and liability. The course also provides and historical context for engineering and covers basic elements of written communication.

## **ENGI1161**

### **SHOP PRACTICE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGI101.

This course is designed to develop skills in the use of hand tools and machine shop equipment utilized in today's industrial environment. The student will learn shop safety, focusing on WHIMIS and OHSA. The

course will teach soldering, circuit board construction and machine fabrication. Each skill will be emphasized by completing small projects throughout the term. This is a required course for all disciplines of technology.

## **ENGI1163**

### **STATICS**

**Credits: 3**

**Prerequisite:**

**Exclusions:**

Unavailable to students with credit for ENGI111.

An introduction to the concept of forces and torques acting on structures.

## **ENGI1164**

### **STRENGTH OF MATERIALS**

**Credits: 3**

**Prerequisite:**

ENGI1163.

**Exclusions:**

Unavailable to students with credit for ENGI122.

Internal stresses and strains in a body due to external forces are examined. Students are also introduced to the concepts of torsion, load, shear and bending moment diagrams, beams and columns.

## **ENGI1165**

### **ENGINEERING GRAPHICS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGI125.

Introduction to conceptual graphic design fundamentals, team work and computer drafting. The aim is to develop skill in engineering free-hand sketching, drawing on CAD, 3-D visualization, graphical problem solving and understanding engineering drawings. Topics include orthographic visualization, pictorial sketching, auxiliary views, sections, descriptive geometry and intersections. A design project, focused on the process of design methodology and reporting, is an integral part of the course.

## **ENGI1166**

### **DYNAMICS**

#### **Credits: 3**

##### **Prerequisite:**

ENGI1163.

##### **Exclusions:**

Unavailable to students with credit for ENGI132.

The principles introduced in statics are expanded to include the study of velocity and acceleration of moving components. Includes calculations relating to forces, work energy and power.

## **ENGI1167**

### **ENGINEERING STATICS**

#### **Credits: 3**

##### **Exclusions:**

Unavailable to students with credit for ENGI145.

A study in applied mechanics; the course objective is to develop the student's ability to analytically solve practical problems in a clear and concise manner.

## **ENGI1168**

### **FLUID MECHANICS**

#### **Credits: 3**

##### **Exclusions:**

Unavailable to students with credit for ENGI253.

This course concentrates on the theory and problem solving regarding fluid properties, hydrostatic pressure, buoyancy, fluid flow, Bernoulli equation, energy losses in piping systems, flow measurement and open channel flow.

## **ENGI2101**

### **ENGINEERING ECONOMICS**

**Credits: 3**

**Prerequisite:**

Second-year standing.

**Exclusions:**

Unavailable to students with credit for ENGI205.

Deals with the economics of decision-making. After introduction of fundamental concepts and cash flow diagrams, interest factors are dealt with in detail. Students apply the concepts to a variety of engineering design and management issues, both locally and internationally.

## **ENGI2103**

### **TECHNICAL ENGINEERING ECONOMICS**

**Credits: 3**

**Prerequisite:**

Second year standing.

**Exclusions:**

Unavailable to students with credit for ENGI205 or ENGI2101. Note: This course is not acceptable as credit in the BEng (Transfer) program.

**Note:**

This course is not acceptable as credit in the BEng (Transfer) program.

This course is designed to provide students with the fundamentals of Engineering Economics. Engineers design buildings, machines and other systems. They also function as managers in the real world of decision making where the criteria includes not only technological excellence, social impact and environmental considerations, but also cost. The bottom line or the cost of the systems we design plays a critical role in whether or not these designs are implemented. We must know when to repair or when to replace, when to make and when to buy. The engineer/ manager must understand how money works as well as how materials perform. Taxes and inflation can have significant impacts on the viability of projects. This course is designed to introduce students to these fundamentals.

## **ENGI2105**

### **SURVEYING**

**Credits: 3**

**Prerequisite:**

DRAF1163

This course will introduce the student to methods of cadastral surveying and construction surveying. The course will illustrate how these methods apply to field projects in both Petroleum and Environmental technology. Topics includes chaining , levelling, direction angle measurements, distance measurement, traversing an coordinates and in an introduction to GIS (Geographical Information Systems).

## **ENGI2105L**

### **SURVEYING LAB**

**Credits: 0**

## **ENGI2131**

### **ENGINEERING FLUID MECHANICS**

**Credits: 3**

**Prerequisite:**

MATH1206.

**Exclusions:**

Unavailable to students with credit for ENGI275.

Fundamental fluid properties are presented, along with an examination of static fluid principles including pressure variation, buoyancy and stability. This is followed by a study of flowing fluid, using a control volume approach to develop continuity, momentum and energy relationships. Other topics include dimensional analysis, similitude, flow characteristics in conduits and discussion of flow measurement techniques and devices.

## **ENGI2133**

### **ENVIRONMENTAL ENGINEERING**

**Credits: 3**



**Exclusions:**

Unavailable to students with credit for ENGI276.

Focuses on sources of environmental pollutants, the effects of pollutants on living and non-living systems and processes by which pollutants are generated or by which their effects can be minimized or remediated. Lectures supplemented by tutorials, which include guest speakers, case studies and field trips.

**ENGI2134****COMPUTER PROGRAMMING****Credits: 3****Exclusions:**

Unavailable to students with credit for ENGI285.

Combines the development of a structured approach to problem solving with the use of concepts of FORTRAN programming. Especially suitable for engineering students.

**ENGI2135****ENGINEERING DESIGN/GRAPHICS****Credits: 3****Prerequisite:**

ENGI1165. 12 credits of Year II Engineering program credits or second year status with permission of instructor.

**Exclusions:**

Unavailable to students with credit for ENGI295.

This course is intended to develop the student's ability to evaluate, plan and complete engineering projects. Fundamentals of design, design methods and design considerations as well as professional practice are discussed. Design, analysis and word processing software are employed. Project work will include design and detail (using CAD), analysis, fabrication, testing, written reports and oral presentation. Teamwork and individual design/build projects are a major part of the course.

**ENGI2163****ENGINEERING DYNAMICS****Credits: 3**

**Prerequisite:**

ENGI1167, MATH1206 and PHYS1204, or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for ENGI226.

The kinematics and kinetics of a particle, system of particles and rigid body. Two-dimensional motion is emphasized. Vector and scalar methods are used, as appropriate, to apply relationships derived from basic motion parameters, Newton's Second Law of Motion and from energy/momentum considerations.

## **ENGI2164**

### **ENGINEERING THERMODYNAMICS**

**Credits: 3****Prerequisite:**

MATH1206.

**Exclusions:**

Unavailable to students with credit for ENGI245.

Preliminary terms and concepts are reviewed, followed by the presentation of fundamental thermodynamic properties including heat and work. These properties, along with the zeroth, first and second laws of thermodynamics, are used to examine various closed and open thermodynamic systems. Related topics introduced during this examination include reversibility, thermal efficiency, entropy and exergy. The course concludes with an understanding of gas and vapour power cycles.

## **ENGI2165**

### **FUNDAMENTALS OF CHEMICAL ENGINEERING**

**Credits: 3****Prerequisite:**

Second-year standing and CHEM1105 and MATH1206.

**Exclusions:**

Unavailable to students with credit for ENGI246 or CHEM345.

Cross-listed with CHEM3404 The main objective is to develop the students' ability to perform mass and energy balances on reactive and non-reactive processes. Introductory topics include systems of units and a study of process variable, such as temperature, pressure, and flowrate. Also covered are fundamental properties of multi-phase systems: phase equilibrium, vapour pressure, phase rule, Raoult's and Henry's Laws and colligative properties. An emphasis is placed on developing problem solving skills.

## **ENGI2166**

### **ENGINEERING ELECTRIC CIRCUITS**

**Credits: 3**

**Prerequisite:**

MATH1105, MATH1206 and PHYS1204.

**Exclusions:**

Unavailable to students with credit for ENGI255.

The laws of electric circuit parameters, the concept of time constants, impedance, admittance and general network theorem. Lab sessions.

## **ENGI2167**

### **ENGINEERING DIGITAL LOGIC**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGI256.

This course includes an introduction to Boolean algebra, encoders, decoders, shift registers and asynchronous and synchronous counters. Design of asynchronous circuits, synchronous sequential circuits and finite state machines is covered. Programmable logic is introduced. K-map techniques are taught. Digital analysis software is used.

## **ENGI2168**

### **CIRCUIT ANALYSIS**

**Credits: 3**

**Prerequisite:**

ENGI2166.

**Exclusions:**

Unavailable to students with credit for ENGI257.

Covers advanced circuit analysis techniques, starting with sinusoidal excitation. Concepts of phasors and complex impedance are fully developed. Mutual inductance and magnetically coupled coils are used to introduce transformer behaviour and performance. Real and reactive power flow is covered before the introduction of balanced, three-phase circuits for power distribution. Symmetrical components are introduced as a means of dealing with unbalanced networks. Concepts of grounding and harmonics

included.

## **ENGI2169**

### **ENGINEERING MECHANICS OF DEFORMABLE BODIES (STRENGTH OF MATERIALS)**

**Credits: 3**

**Prerequisite:**

ENGI1167, and one of MATH1105 or MATH1101

**Exclusions:**

Unavailable to students with credit for ENGI265.

The relationship between loads applied to a non-rigid body and the resulting deformations of the body including stress and procedures to follow under specified loading conditions.

## **ENGI2171**

### **THERMO- FLUID ENGINEERING I**

**Credits: 3**

**Prerequisite:**

MATH1206, CHEM1104, ENGI1167, PHYS1204

**Exclusions:**

Unavailable to students with credit for ENGI245 or ENGI2164

Preliminary thermodynamic terms and concepts are reviewed, followed by the presentation of fundamental properties including heat and work. These properties, along with the zeroth, first, and second laws of thermodynamics, are used to examine closed and open thermodynamic systems. Elemental fluid properties are also presented along with an examination of static fluid principles including pressure variation, buoyancy, and stability. This is followed by a study of flowing incompressible fluid in pipes and ducts.

## **ENGI2173**

### **THERMO-FLUID ENGINEERING II**

**Credits: 3**

**Prerequisite:**

ENGI2171

**Exclusions:**

Unavailable to students with credit for ENGI275 or ENGI2131

Flowing fluid characteristics are studied using a control volume approach to develop continuity, momentum, and energy relationships. Other topics examined include dimensional analysis, similitude, flow characteristics in conduits, and an exploration of flow measurement techniques and devices. Related issues presented include reversibility, thermal efficiency, entropy, and exergy. The course concludes with an understanding of gas and vapour power cycles and gas mixture properties.

**ENGI2174****ENVIRONMENTAL SCIENCE****Credits: 3****Exclusions:**

Can only be used as a free elective by BSc students having credit for BIOL1101 (formerly BIOL101 and/or BIOL2501 (formerly BIOL203).

This course provides a broad overview of biological processes from the cellular to ecosystem level in order to provide an introductory environmental background to students of various disciplines, especially engineering and environmental studies (science). General topic areas covered include: cell structure and function, genetics, ecology, ecosystem structure and function, biological applications for environmental control, environmental human health problems, toxicity and risk. The relevance of these topics to industrial and engineering applications is emphasized through examination of environmental impact assessment, energy considerations and remediation technologies.

**ENGI4101****GEOGRAPHICAL INFORMATION SYSTEMS & MAPPING****Credits: 3****Prerequisite:**

ENGI2105 and PETR3134 or ENVI3131

This course involves the integration between drafting and GIS software packages for use in both petroleum and environmental technology. The ability to convert data between these packages is essential in many industries, and is therefore a focal point of this course. The student will be using a real-world data to solve geospatial problems while also learning the intricacies of file conversion and compatibility. The student will get experience utilizing data within the drafting software environments and drafting map software environments to develop and update maps. The students will subsequently learn the skills necessary to successfully bring the data into GIS software for further analysis.

**ENGI4101L****GEOGRAPHICAL INFORMATION SYSTEMS & MAPPING**

**Credits: 0**

## **ENGL1104**

### **READING & WRITING ABOUT INDUSTRY AND THE ECONOMY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing through a variety of texts that deal with commerce and trade, and by responding to those texts in analytical prose. This writing intensive course includes an introduction to scholarly research.

## **ENGL1106**

### **INTRODUCTION TO LITERATURE: LITERARY PROSE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing by focusing on the characteristics of Literary Prose and by modeling a range of approaches to literary analysis. This writing intensive course includes an introduction to scholarly research.

## **ENGL1107**

### **READING & WRITING ABOUT MEDIA & CULTURE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing by focusing on the characteristics of Media and Culture and by modeling a range of approaches to analysis. This writing intensive course includes an introduction to scholarly research.

## **ENGL1108**

## **INTRODUCTION TO LITERATURE: POETRY & DRAMA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing by focusing on the characteristics of Poetry and Drama and by modeling a range of approaches to literary analysis. This writing intensive course includes an introduction to scholarly research.

## **ENGL1109**

### **READING & WRITING ABOUT SCIENCE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing through a variety of texts that deal with science, and by responding to those texts in analytical prose. This writing intensive course includes an introduction to scholarly research.

## **ENGL1111**

### **INTERMEDIATE WRITING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL205. Cannot be counted in the English major.

This course is designed for students who wish to improve their writing skills at a level more advanced than the 1100 series of English courses.

## **ENGL1113**

### **TECHNICAL & SCIENCE WRITING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL207, BUSS265, ITEC 337, ITEC411. Cannot be counted in English major

Cross-listed with ITEC4501. This course focuses on intermediate technical writing skills (reports, proposals and instructions).

## **ENGL1600**

### **INTRODUCTION TO LITERATURE**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for ENGL200. Can be counted in the English major.

An introduction to the major literary forms in English - poetry, prose, and drama and to critical reading, analysis and writing. Literature from a variety of historical periods and/or national contexts will be considered. Satisfies BA and BSc core and 3 credits of BBA core.

## **ENGL1601**

### **CINEMA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FINA101.

The film is an artefact that can be experienced from a variety of perspectives - cultural, ideological, and aesthetic. A variety of films will be shown and studied throughout the term.

## **ENGL2100**

### **HISTORY OF THE ENGLISH LANGUAGE**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL330 or HERT330.

The development of the English language, beginning with its origins and considering changes in phonology, morphology, syntax, vocabulary and orthography.



## ENGL2200

### NON-DRAMATIC LITERATURE OF THE 16TH CENTURY

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL305.

A study of the non-dramatic literature of the sixteenth century, emphasizing the work of Edmund Spenser.

## ENGL2240

### SHAKESPEARE

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 .

**Exclusions:**

Unavailable to students with credit for ENGL340

A survey of Shakespeare's plays

## ENGL2300

### EIGHTEENTH CENTURY ENGLISH LITERATURE

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL360.

A study of the prose and poetry of the period 1660-1800 with some study of the developments in drama and the novel.

## **ENGL2301**

### **VICTORIAN PEOTRY**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL2360

A study of poetry of the Victorian period (1837-1901): authors such as Tennyson, Browning, Barrett Browning, Arnold, and Hopkins, among others, may be studied.

## **ENGL2303**

### **ROMANTIC POETRY**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 110

**Exclusions:**

Unavailable to students with credit for ENGL2340

A study of poetry of the Romantic period (1789-1837) including works by Blake, Wordsworth, Coleridge, P.B. Shelley, Byron and Keats, among others.

## **ENGL2340**

### **THE ROMANTIC MOVEMENT**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL370.

An examination of the poetry of early nineteenth century England, with special emphasis on the evolution of romanticism. Works by Blake, Wordsworth, Coleridge, Byron, Keats, Shelley and their contemporaries will be examined.

## **ENGL2360**

### **VICTORIAN LITERATURE (EXCLUDING FICTION)**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL375.

A study of the major poets of the period including Tennyson, the Brownings, Arnold, the pre-Raphaelites and some later writers

## **ENGL2400**

### **MODERN IRISH & BRITISH POETRY**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL354.

Major modern poets and poetic movements of Britain and Ireland from their beginnings in the 1890s to mid-century.

## **ENGL2403**

### **LITERATURE OF GLOBALIZATION**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

This course is designed to introduce students to contemporary postcolonial literature within the context of

globalization. We will look at the place of literature and writers in the hyper-capitalist, digital world. In addition to exposing students to acclaimed writers from across the globe, this class will draw on a number of media, including news sources, blogs, and video in order to develop a fuller sense of cultural production in the contemporary moment.

## **ENGL2404**

### **FOUNDATIONS OF POSTCOLONIAL LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

This introductory course exposes students to the foundational texts of postcolonial literature. Students will read the works of literary giants such as Chinua Achebe (Nigeria) and Salman Rushdie (India), as well as lesser known but highly influential writers such as Ama Ata Aidoo (Ghana) and Bapsi Sidhwa (Pakistan). Readings from Bill Ashcroft's *The Empire Writes Back* will help to contextualize this literature within the broader English canon.

## **ENGL2420**

### **MODERN ENGLISH CANADIAN POETRY**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL355.

Representative works of significant poets from the beginnings of modernism in Canada to the present.

## **ENGL2441**

### **AMERICAN LITERATURE TO 1865**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL357.

A survey of major writers of the United States up to the end of the Civil War.

## **ENGL2461**

### **CELTIC REVIVAL IN LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL371 or CELT371.

A study of the legends, literature, and mythology of the Celtic renaissance in the second half of the nineteenth and early twentieth centuries.

## **ENGL2463**

### **MODERN CELTIC LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL372 or CELT372

This course studies a variety of genres in English, including the novel, the essay, poetry, and short story by Irish and Scottish writers from 1900 to the present.

## **ENGL2601**

### **ORAL LITERATURE: STORYTELLING & OTHER VERBAL GENRES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK201 or FOLK200.

Cross-listed with FOLK2401 Cannot be counted in Group 1 of the BA Core. Analysis of storytelling, myths, folktales, legends, personal experience narratives, jokes, riddles, rhymes and proverbs.

## **ENGL2603**

### **THE LITERATURE OF SPORT**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or SPHK 1100

Cross-Listed with SPHK2603 A consideration of the way sports have been understood and represented in various forms of literature.

## **ENGL2604**

### **FILM FORM & STYLE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENGL1601 or FINA101

This course approaches film as an art form with its own specialized language, consisting of elements such as cinematography, mise-en-scene, editing, and sound. Students will be taught the basic vocabulary of film studies, which they will employ in close analysis of film. The broader cultural implications of the medium will also be explored, and a diverse range of films produced in Hollywood, Canada, and the rest of the world will be studied. This course can be used to satisfy 3 credits in group 4 of the BA core. It cannot be used to satisfy group 1 in the BA core

## **ENGL2605**

### **FILM GENRE & AUTHORSHIP**

**Credits: 3**

This course will explore film both as a form of art produced by an "author" (or "authors" ) and as a form of entertainment that succeeds by producing easily recognizable "types" or "genres" that are familiar to audiences. It will consider theories of authorship and "auteurism" and will also explore the related question of the "genre film", a term often used to attack the lack of originality attributed to Hollywood film, but which has more recently been theorized in ways that attribute a greater level of sophistication to supposedly commercial cinema. This course can be used to satisfy 3 credits in group 4 of the BA core. It cannot be used to satisfy group 1 in the BA core

## **ENGL2606**

### **DRAMATIC LITERATURE BY WOMEN I**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

A survey of dramatic literature written by women before 1900 ranging, for example, from a 17th Century closet drama by Elizabeth Cary to a Victorian Prize comedy by Catherine Gore.

**ENGL2607****DRAMATIC LITERATURE BY WOMEN II****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

A survey of dramatic literature written by women after 1900 ranging, for example, from a British Suffragette drama by Elizabeth Robbins to a Canadian Aboriginal play by Yvette Nolan.

**ENGL2610****THE BRITISH LITERARY TRADITION****Credits: 6****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL379.

Major works of British literature in a variety of forms from each of the following historical periods: Medieval, Renaissance, 17th Century, Restoration and 18th Century, Romantic, Victorian and Modern.

**ENGL2624****PLAYWRITING I****Credits: 3****Exclusions:**

Unavailable to students with credit for ENGL303, DRAM331 or FINA303. Cannot satisfy the Group 1 BA core requirement. Can satisfy Group 4 BA core requirement.

Cross-listed with DRAM2621 An introduction to dramatic writing, incorporating creative and structural

techniques to craft setting, character and narrative.

## **ENGL2625**

### **PLAYWRITING II**

**Credits: 3**

**Prerequisite:**

ENGL 303/2624 DRAM2621, or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for ENGL323, DRAM333 or FINA323. Cannot satisfy the Group 1 BA core requirement

Cross-listed with DRAM2623. Further extension of the art and craft of writing dramatic texts for live theatre. The course will focus on dialogue and the development of scenes. Students will complete a one-act play in final draft. Attendance at theatre productions is required.

## **ENGL2640**

### **LITERATURE WRITTEN BY WOMEN: THE BRITISH TRADITION**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL320.

A contextual and historical study of literature written by women in a variety of genres from the fourteenth to the twentieth centuries.

## **ENGL2642**

### **SURVEY OF THE DRAMA**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL365.



A basic and comprehensive survey of the development of drama from its beginnings to the present.

## **ENGL2684**

### **CHILDREN'S LITERATURE TO 1860**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL381.

A survey of the earliest literature for children, including folk and fairy tales, nursery rhymes, moral and educational material, and the literary tale.

## **ENGL2685**

### **CHILDREN'S LITERATURE IN ENGLISH: 1860-1920**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL383.

Children's literature 1860-1920, with emphasis on the children's novels of the period.

## **ENGL3120**

### **MIDDLE ENGLISH LITERATURE**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL300.

A study of the major writers and genres of Middle English literature, emphasizing Chaucer's Canterbury Tales. Works are read in Middle English

## **ENGL3122**

### **MEDIEVAL DRAMA**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL332.

Medieval drama from its eleventh century resurgence through to the late medieval development of cycle and morality plays, with a focus on plays written in Britain in Middle English.

## **ENGL3200**

### **LITERATURE OF THE 17TH CENTURY**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL312, 315 and 317.

A survey of the major writers of the seventeenth century, including the work of Milton.

## **ENGL3201**

### **LITERATURE OF THE EARLY 17TH CENTURY**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL315 and 312.

A survey of the major writers of the early seventeenth century.

## **ENGL3203**

### **DEVELOPMENT OF 17TH CENTURY LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL317 and 312.

A survey of the major writers of the mid-seventeenth century, excluding Milton.

## **ENGL3241**

### **RENAISSANCE DRAMA I**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL341.

This course explores the dramatic work of Shakespeare's most important Elizabethan predecessors and contemporaries.

## **ENGL3243**

### **RENAISSANCE DRAMA II**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL343.

This course explores the dramatic work of Shakespeare's most important Jacobean contemporaries and heirs.

## **ENGL3301**

### **ROMANTIC DRAMA**

**Credits: 3**

**Prerequisite:**

6 credits of English

**Exclusions:**

Unavailable to students with credit for ENGL378/3322

An examination of the dramatic literature of the Romantic period, with attention to the major dramatic genres of the period, included Gothic romance, historical drama, pantomime and Romantic tragedy.

## **ENGL3303**

### **VICTORIAN DRAMA**

**Credits: 3**

**Prerequisite:**

6 credits of English

**Exclusions:**

Unavailable to students with credit for ENGL378/3322

An examination of the dramatic literature of the Victorian period, with a focus to the major genres of the period, including melodrama, farce, and developments in social realism.

## **ENGL3320**

### **RESTORATION & 18TH CENTURY DRAMA**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL361.

A survey of dramatic literature written by English and Irish playwrights from 1660 to the end of the eighteenth century. Playwrights to be studied include Wycherly, Dryden, Farquhar, Steele and Sheridan.

**ENGL3322**

**NINETEENTH CENTURY DRAMA**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL378.

An examination of the dramatic literature of the nineteenth century, with attention to the major dramatic genres of the period, including Gothic romance, historical drama, Victorian melodramas and developments in social realism.

**ENGL3360**

**THE NINETEENTH CENTURY NOVEL**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109.

**Exclusions:**

Unavailable to students with credit for ENGL376.

The course examines the development of the novel from Scott to Hardy. Includes discussion of the critical approaches that can be applied to the novel.

**ENGL3361**

**ROMANTIC FICTION**

**Credits: 3**

**ENGL3363**

## **VICTORIAN FICTION**

**Credits: 3**

## **ENGL3400**

### **THE NOVEL FROM 20TH CENTURY BRITAIN AND IRELAND**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL353.

The development of the British and Irish novel in the Modern Age through a close study of representative works of major novelists of the period.

## **ENGL3401**

### **WRITING MODERN AMERICA: FICTION TO 1950**

**Credits: 3**

**Prerequisite:**

6 credits of English

**Exclusions:**

Unavailable to students with credit for ENGL351/3442

American novels and short stories from the first half of the twentieth century with close attention paid to the art, politics, and cultural changes of the Modernist moment.

## **ENGL3403**

### **WRITING CONTEMPORARY AMERICA: FICTION AFTER 1950**

**Credits: 3**

**Prerequisite:**

6 credits of English

**Exclusions:**

Unavailable to students with credit for ENGL351/3442

American fiction from the second half of the twentieth century, exploring a range of movements (including Beat, Postmodern, and Multicultural American) and a diversity of texts in both traditional and new modes like the graphic novel.

**ENGL3404****MODERN AMERICAN POETRY: VOICES & VISIONS****Credits: 3****Prerequisite:**

6 credits of English

**Exclusions:**

Unavailable to students with credit for ENGL352/3440

A study of major poets and poetic movements from the first half of the twentieth century. Formal, historical, and cultural analysis of the poets' innovations and changing American landscape their work reflect.

**ENGL3405****CONTEMPORARY AMERICAN POETRY: VOICES & VISIONS****Credits: 3****Prerequisite:**

6 credits of English

**Exclusions:**

Unavailable to students with credit for ENGL352/3440

A study of major poets and poetic movements such as Confessional, Beat, Black Mountain, New York School, and Identity-Multicultural poetry) from WWII to the present.

**ENGL3406****CANADIAN DRAMA****Credits: 3**

**Prerequisite:**

6 credits of first year English

The latest and most important texts in Canadian drama, including plays from different regions, representing the interests of specific Canadian demographics, and incorporating experimental theatrical practices.

**ENGL3407****DRAMATIZING IRELAND: PLAYS FROM 1950 TO THE PRESENT****Credits: 3****Prerequisite:**

6 credits of English

The texts of internationally known Irish plays, their foundations in myth and saga and their impact in the shaping of Ireland's cultural identity at home and abroad.

**ENGL3420****MODERN CANADIAN NOVEL****Credits: 6****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL356.

A study of representative works of Canada's foremost novelists in the twentieth century, with a view to tracing the development of the novel form in modern Canada.

**ENGL3421****THE CANADIAN SHORT STORY TO 1960****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**



Unavailable to students with credit for ENGL367

A survey of the short story in Canada from its roots in the nineteenth century to 1960, with special attention to Scott, Leacock, Callaghan, Laurence, and others.

## **ENGL3423**

### **THE CANADIAN SHORT STORY: FROM 1960 TO THE PRESENT**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL369.

A survey of the short story in Canada beginning in 1960 with special attention to Atwood, Munro, Gallant, Vanderhaeghe and others.

## **ENGL3424**

### **NORTH AMERICAN ABORIGINAL LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL377.

Cross-listed with MIKM3424 An introduction to the songs and stories of pre-contact North American Aboriginal people, as well as the most recent flowering of writing in English over the last 30 years.

## **ENGL3440**

### **MODERN AMERICAN POETRY**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL352.

The development of American poetry through the twentieth century. Representative poems and occasional critical prose from major modern and postmodern poets will be considered.

**ENGL3441****MODERN AMERICAN DRAMA****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL387.

A study of selected American plays and dramatists of the twentieth century

**ENGL3442****MODERN AMERICAN FICTION****Credits: 6****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL351.

The development of American fiction through the twentieth century, with particular attention to the novel. Major writers and movements of the period are represented. Selected critical and theoretical approaches to fiction are considered.

**ENGL3501****HISTORY & THEORY OF CRITICISM: PLATO TO THE 18TH CENTURY****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL329.

An introduction to the history and theory of classical criticism.

**ENGL3503****HISTORY & THEORY OF CRITICISM: WOODSWORTH TO THE 20TH CENTURY****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL331.

An introduction to the history and theory of Romantic, Victorian and early twentieth century criticism.

**ENGL3504****FEMINIST LITERARY CRITICISM AND PRACTICE****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL4522.

An introduction to feminist literary criticism and practice from Wollstonecraft to Wikipedia.

**ENGL3621****INTRO TO CREATIVE WRITING: POETRY & POETICS****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for ENGL333.

An introduction to the art and craft of writing poetry. The course aims to help students become more knowledgeable, sophisticated, creative, and engaged readers and writers of poetry. Cannot satisfy the Group 1 BA core requirement.

## **ENGL3623**

### **INTRO TO CREATIVE WRITING: SHORT STORY**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for ENGL337.

Cannot satisfy the Group 1 BA core requirement. An introduction to the art and craft of writing the short story, with a focus on an understanding of the formal elements such as narrative, description, mood, etc.

## **ENGL3624**

### **ECOTEXTS: FILM & LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Ecocriticism is a way of reading literature and media from an environmental perspective. This course examines works of contemporary literature and film from the context of environmentalism and environmental crisis. We will look at texts that challenge our ways of thinking about the human-non-human relationship, paying special attention to issues of social and environmental justice around the world.

## **ENGL3625**

### **NATURE WRITING**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

The arts that we produce shape the way we think about our relationship with nature. This course aims to introduce students to canonical nature writing and nature poetry that form the basis for a western environmental perspective. As a means of comparison and further exploration, we will also examine creative and non-fiction works from travel literature and from non-western perspectives. Authors under study may include Rachel Carson, Henry Thoreau, M.Scott Momaday, and Margaret Atwood among others.

## **ENGL3652**

### **THE SHORT STORY**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL390.

A systematic examination of the short story, and its relationship to other types of fiction such as the novel. Differences in a variety of masters of the genre are studied.

## **ENGL3681**

### **YOUNG ADULT FICTION**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL335.

This course considers the development of young adult fiction from its beginnings in the mid-twentieth century to the present, its generic diversity, the trends in the writing and publishing of fiction aimed at such a readership and the way in which this new fiction addresses the interests, needs and concerns of adolescents at the same time as it entertains and delivers social instruction.

## **ENGL3683**

### **LITERATURE AND FILM: TEXT AND INTERTEXT**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL391.

This course examines the means by which authors and screenwriters reinterpret classical texts by reworking them into different contexts and media. Several movies will be analyzed to discover the text at the core of the work, and the relationship between the text and its modern reworking will be studied using critical approaches based on intertextuality, discourse theory and reader/audience response.

## **ENGL3684**

### **INTRODUCTION TO FANTASY LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL393.

The course takes a thematic approach to the literary study of key works of fantasy while placing them in genre's cultural, historical and theoretical contexts. Novels and short stories will be drawn from several time periods with the major emphasis on modern and contemporary fantasy.

## **ENGL3685**

### **INTRODUCTION TO SCIENCE FICTION**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL395.

The course takes a thematic approach to the literary study of key works of science fiction while placing them within the genre's cultural, historical, and theoretical contexts. Novels and short stories will be drawn from several time periods with the major emphasis on modern and contemporary science fiction.

## **ENGL3686**

## **DETECTIVE FICTION**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

**Exclusions:**

Unavailable to students with credit for ENGL359.

This course surveys the origins and development of detective fiction, from its beginnings in the nineteenth century, through its rapid rise in popularity in the early twentieth century, to its status today as one of the most popular modes of fiction.

## **ENGL3801**

### **DIRECTED STUDY IN ENGLISH**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

The student undertakes, on a tutorial basis, an individualized program of studies. Students should consult with the Department Chair for available instructors. Does not meet the BA core requirement for the English major.

## **ENGL3803**

### **DIRECTED STUDY IN ENGLISH**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

The student undertakes, on a tutorial basis, an individualized program of studies. Students should consult with the Department Chair for available instructors. Does not meet the BA core requirement for the English major.

## **ENGL4140**

### **INTRODUCTION TO OLD ENGLISH**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 at least one 2000 or 3000-level English course

**Exclusions:**

Unavailable to students with credit for ENGL400.

A comprehensive study of the language and literature of the Old English period. The literature is read in Old English.

**ENGL4200****MILTON****Credits: 6****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 at least one 2000 or 3000-level English course.

**Exclusions:**

Unavailable to students with credit for ENGL418.

A comprehensive study of Milton's major writing.

**ENGL4240****STUDIES IN SHAKESPEARE****Credits: 6****Prerequisite:**

An earlier course in Shakespeare (or permission of the instructor), ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course.

**Exclusions:**

Unavailable to students with credit for ENGL490.

A detailed study of selected plays.

**ENGL4360****NINETEENTH-CENTURY PROSE****Credits: 6**



**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 at least one 2000 or 3000-level English course .

**Exclusions:**

Unavailable to students with credit for ENGL472.

A study of the major prose writers of the nineteenth century: Hazlitt, Lamb, DeQuincey, Carlyle, Ruskin, Arnold, Mill, and Pater.

**ENGL4362****LITERATURE OF TRANSITION: BRITISH LITERATURE 1870-1920****Credits: 6****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 , at least one 2000 or 3000-level English .

**Exclusions:**

Unavailable to students with credit for ENGL475.

An investigation of works in several genres of writers involved in the transition from Victorian to Modern literature.

**ENGL4401****CONTEMPORARY IRISH LITERATURE****Credits: 3****Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level course in literature.

**Exclusions:**

Unavailable to students with credit for ENGL433.

A study of the work of Seamus Heaney in the context of current debates in Irish literary studies.

**ENGL4403****CLASSICAL MYTHOLOGY TO MODERN LITERATURE**

## **Credits: 3**

### **Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or 2000 or 3000-level course in literature.

### **Exclusions:**

Unavailable to students with credit for ENGL 437.

A study of the interplay between classical mythology and modern poetry.

## **ENGL4501**

### **TWENTIETH CENTURY CRITICISM & CRITICAL THEORY TO 1960**

## **Credits: 3**

### **Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course .

### **Exclusions:**

Unavailable to students with credit for ENGL426.

A survey of critical theory and practice in early modern criticism, including feminism, Marxism, psychological theory, new criticism and structuralism.

## **ENGL4503**

### **TWENTIETH CENTURY CRITICISM & CRITICAL THEORY FROM 1960 TO THE PRESENT**

## **Credits: 3**

### **Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course .

### **Exclusions:**

Unavailable to students with credit for ENGL428.

A survey of critical theory and practice in modern criticism in its most recent manifestations, including post structuralism, deconstruction, cultural and gender theories, among others.

## **ENGL4504**

## **POSTCOLONIAL THEORY**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, ENGL1106, ENGL1107, ENGL1108, ENGL1109 and at least one 2000 or 3000-level English course.

This course offers an in-depth study of one of the most influential schools of thought in English today, postcolonial theory. This course will cover a number of fundamental concepts, such as the division between the colonized and colonizer, questions of language, identity, hybridity, the subaltern, and gender. In addition, it will point students towards more cutting-edge issues in postcolonial studies, such as environmentalism and animal studies. We will also read a selection of short-stories that will help illustrate some of the theoretical concepts.

## **ENGL4522**

### **FEMINIST LITERARY THEORY**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course.

**Exclusions:**

Unavailable to students with credit for ENGL420.

The course examines feminist literary criticism and critical theories produced by women and men primarily since 1965, though some attention is paid to earlier works.

## **ENGL4620**

### **MODERN DRAMA**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course .

**Exclusions:**

Unavailable to students with credit for ENGL455.

A detailed study of the principle works of modern playwrights whose plays have had a major influence on the development of the drama including: Ibsen, Strindberg, Chekhov, Shaw, and Brecht.

## **ENGL4622**

### **CONTEMPORARY DRAMA**

**Credits: 6**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course .

**Exclusions:**

Unavailable to students with credit for ENGL465.

A study of developments in drama from 1950 to the present. Dramatists to be studied include Samuel Beckett, Brian Friel, Beth Henley, Tony Kushner, Marsha Norman, Harold Pinter, and Tom Stoppard.

## **ENGL4630**

### **WORLD LITERATURE IN ENGLISH**

**Credits: 6**

**Prerequisite:**

ENGL1600

**Exclusions:**

Unavailable to students with credit for ENGL460.

A study of selected writers from a variety of countries whose work illustrates the universality of great art.

## **ENGL4711**

### **SELECTED TOPICS IN AMERICAN LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course .

**Exclusions:**

Unavailable to students with credit for ENGL451.

Intensive study of selected themes, authors, or genres in American literature. Special topics may vary with each presentation of the course. Consult with the Department Chair for further information

**ENGL4800****DIRECTED STUDY IN ENGLISH****Credits: 6****Prerequisite:**

At least 24 credits in English with an overall average of 65%.

The student undertakes, on a tutorial basis, an individualized program of study. Students should consult the Department Chair for available instructors.

**ENGL4900****HONOURS THESIS IN ENGLISH****Credits: 6****Prerequisite:**

At least 24 credits in English with an overall average of 70%.

An extended research paper designed for students planning to enter graduate school. Students should consult the Department Chair for available instructors.

**ENVI2134****SOLID WASTE MANAGEMENT****Credits: 3****Exclusions:**

Unavailable to students with credit for ENVI335.

The sources, characterization, handling, treatment and disposal alternatives for solid waste. Looks at local, national and international approaches to waste management

**ENVI2161**

## **AIR POLLUTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENVI315.

A study of the sources, characteristics, environmental effects and regulatory aspects of various air pollutants. Biological, chemical and engineering concerns are stressed. Laboratory exercises complement lecture principles.

## **ENVI2163**

### **OCCUPATIONAL HYGIENE**

**Credits: 3**

**Prerequisite:**

6 credits of first year chemistry.

**Exclusions:**

Unavailable to students with credit for ENVI325.

This course concentrates on the recognition, evaluation and control of potential health and safety hazards in the workplace. As well, relevant legislation and regulations are reviewed. The laboratory activities involve specific hazard assessments using appropriate methodologies and equipment.

## **ENVI3131**

### **ENVI IMPACT ASSESSMENT I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENVI416.

Theory and practice of environmental impact assessment, with attention to the delivery of contents and skills in a socio-political and regulatory climate.

## **ENVI3133**

### **ENVI IMPACT ASSESSMENT II**

**Credits: 3**

**Prerequisite:**

ENVI3131

**Exclusions:**

Unavailable to students with credit for ENVI417

Theory and practice of environmental impact assessment, with attention to the delivery of contents and skills in a socio-political and regulatory climate.

**ENVI3134****MANAGEMENT OF TECHNOLOGICAL INNOVATION I****Credits: 3****Exclusions:**

Unavailable to students with credit for ENVI426 or PETR426.

This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied.

**ENVI3135****MANAGEMENT OF TECHNOLOGICAL INNOVATION II****Credits: 3****Exclusions:**

Unavailable to students with credit for ENVI427 or PETR427.

This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied.

**ENVI3136****ENGINEERING FOR SUSTAINABLE DEVELOPMENT I****Credits: 3****Exclusions:**

Unavailable to students with credit for ENVI436.

This course examines the consequences of energy use, industrialization and urbanization in order to provide working models for sustainable development. There is a focus on determining engineering

solutions as well as management of technology.

## **ENVI3137**

### **ENGINEERING FOR SUSTAINABLE DEVELOPMENT II**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENVI437.

This course examines the consequences of energy use, industrialization and urbanization in order to provide working models for sustainable development. There is a focus on determining engineering solutions as well as management of technology.

## **ENVI3138**

### **ENVIRONMENTAL AUDITING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENVI456.

Lectures will provide the basic grounding in environmental auditing theory with case study examples: audit scope, audit steps and other environmental auditing standards, types of audits, advantages, disadvantages and limitations, as well as environmental management systems.

## **ENVI3831**

### **ENVIRONMENTAL RESEARCH PROJECT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ENVI499.

This course provides an opportunity for students to integrate the skills and knowledge acquired during pursuit of their degree into a research project centered on an area of interest in environmental studies. In consultation with a faculty member, a project proposal will be prepared and approved, permitting students to investigate and research topics beyond the levels provided for in the regular curricula. Organizational capabilities, time management and communication skills will all be stressed, along with the fundamental practices of sound technical research and academic inquiry.

## **ENVI4801**



## **DIRECTED STUDY IN ENVIRONMENTAL STUDIES**

**Credits: 3**

### **FINC2401**

#### **BUSINESS FINANCE I**

**Credits: 3**

**Prerequisite:**

ACCT1204.

**Exclusions:**

Unavailable to students with credit for BUSS341.

A BBA core requirement. An introductory course in financial management. Topics include analysis of financial statements, long-term financial planning, time value of money, bond and stock valuation, investment criteria, basic capital budgeting techniques and their applications, risk returns and capital markets.

### **FINC2403**

#### **BUSINESS FINANCE II**

**Credits: 3**

**Prerequisite:**

ACCT1204 and FINC2401 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BUSS342.

A BBA core requirement. An extension of FINC2401. Covers topics in long-term and short-term financing, such as issuing securities to the public, cost of capital, capital structure, dividend policy, cash and liquidity management, and credit and inventory management. Issues in mergers and acquisitions, leasing and options are also discussed.

### **FINC2405**

#### **PERSONAL FINANCE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS241.

The main objective of this course is to familiarize students with the basic principles of personal financial planning. Topics include identification of financial goals and priorities, budgeting, credit and debt, risk management and insurance, savings and investment, mortgages and buying a home, retirement planning, wills and estate planning and preparation of a financial plan.

**FINC3401****INTERMEDIATE FINANCE****Credits: 3****Prerequisite:**

MGSC1108, MGSC1109, FINC2401, and FINC2403.

**Exclusions:**

Unavailable to students with credit for BUSS445.

The case method is used to analyze problems and issues in corporate financial management. Emphasis is on the application of theoretical models to realistic situations.

**FINC3403****LONG-TERM FINANCE****Credits: 3****Prerequisite:**

FINC2401 and FINC2403.

**Exclusions:**

Unavailable to students with credit for BUSS346.

A study of various types of long-term capital available to the firm and theories relating to optimal capital structures

**FINC3404****WORKING CAPITAL MANAGEMENT****Credits: 3**

**Prerequisite:**

FINC401 and FINC2403

**Exclusions:**

Unavailable to students with credit for BUSS345.

An advanced course in management of a firm's short-term assets and liabilities, individually and in aggregate. To emphasize risk analysis and decision-making techniques, various optimization methods are discussed in level of aggregate liquidity, management of short-term liabilities, current debt structuring, cash management, inventory management, terms of sales, and credit decisions.

## **FINC4401**

### **CAPITAL MARKETS**

**Credits: 3****Prerequisite:**

FINC2401 and FINC2403.

**Exclusions:**

Unavailable to students with credit for BUSS441.

A study of contemporary financial markets and institutions in a global perspective, using Canada and the United States as a basis for understanding the rest of the world. A range of instruments for financing, investing and controlling risk in today's equity, debt, foreign exchange and derivatives markets, together with their participants, are discussed.

## **FINC4403**

### **INVESTMENT MANAGEMENT**

**Credits: 3****Prerequisite:**

FINC2403 or permission of the department.

**Exclusions:**

Unavailable to students with credit for BUSS443.

The analysis and management of investments, including a study of theoretical market and security models of North American capital markets.

## **FINC4404**

## **CAPITAL BUDGETING**

**Credits: 3**

**Prerequisite:**

MGSC1108, MGSC1109, FINC2401, and FINC2403.

**Exclusions:**

Unavailable to students with credit for BUSS442 or ECON375.

Cross-listed with ECON4105 Examines the capital investment process emphasizing analytical techniques to evaluate investment proposals. Includes: capital budgeting principles, time value of money, basic measures of capital investment desirability and mutually exclusive investments, cash flow identification, risk analysis, capital rationing, multi-criteria capital budgeting and linear programming.

## **FINC4406**

### **OPTIONS & FUTURES MARKETS**

**Credits: 3**

**Prerequisite:**

FINC2401 and FINC2403 or permission of instructor. Recommended: FINC4401.

**Exclusions:**

Unavailable to students with credit for BUSS446.

This course discusses the valuation methods and hedging strategies of options, futures, and forward contracts. It presents a balance of the institutional details, theoretical foundations and practical applications.

## **FINC4408**

### **INTERNATIONAL FINANCE**

**Credits: 3**

**Prerequisite:**

FINC2401 and FINC2403. Recommended: FINC4401.

**Exclusions:**

Unavailable to students with credit for BUSS448.

This course covers the foreign exchange market, its participants and institutions, exchange determination and forecasting, foreign exchange risk and management, international bond and equity markets and international portfolio diversification. Current events which influence the international financial setting will

also be discussed.

## **FOLK1101**

### **INTRODUCTION TO FOLKLORE: CONCEPTS & FIELDWORK**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK101.

An introduction to fundamental concepts and fieldwork in Folklore study. Cape Breton oral and material traditions are emphasized.

## **FOLK1103**

### **INTRODUCTION TO FOLKLORE: FOLKLORE GENRES & ANALYSIS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK113 or FINA113.

The course surveys various genres and analytical approaches in Folklore study. Maritime Canadian materials are emphasized.

## **FOLK2101**

### **CULTURAL HERITAGE OF CAPE BRETON**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK217, FOLK117 or HERT117.

An interdisciplinary study of the major cultural influences and developments that have shaped Cape Breton's history. This course is an explanation of the distinctive contributions of Mi'kmaq, Acadian, Celtic and European traditions that form the mosaic of Cape Breton culture.

## **FOLK2103**

### **CUSTOM**

**Credits: 3**

**Exclusions:**

Exclusions: Unavailable to students with credit for FOLK205.

This course examines modern and historic customs from around the world, focusing on both calendar customs (celebrations marking specific times of year) and personal customs (such as rites of passage), whether they be secular or sacred. Emphasis is placed on the role of personal experience narrative, gender and material culture as it relates to customs.

**FOLK2104****ATLANTIC CANADIAN FOLKLORE****Credits: 3****Exclusions:**

Unavailable to students with credit for FOLK211.

This course examines the society and culture of Atlantic Canada as a means to explore the historical context and modern manifestations of folklore and its study in this region

**FOLK2105****SOCIAL HISTORY OF CELTIC MUSIC & DANCE****Credits: 3****Exclusions:**

Unavailable to students with credit for FOLK231, CELT231, ETHM231, FINA 231 or HERT231.

Cross-listed with MUSI2251. This course looks at the history and social context of Celtic music and dance. Themes include the influence of politics, religion, commercialism and gender, as well as processes such as modernization, popularization, codification and revival. Also covered are key individuals (musicians, composers and collectors) and important societies and institutions. The focus is mainly on the music and dance of Ireland, Scotland and Cape Breton Island, with some exploration of other Celtic regions. Topics are examined from a cross-cultural perspective. No prior musical knowledge is required.

**FOLK2106****PERFORMANCE ANALYSIS OF CELTIC ARTS II****Credits: 3****Prerequisite:**

FOLK2105

**Exclusions:**

Unavailable to students with credit for CELT233, ETHM233, FINA233, FOLK233, or HERT233.

This course is a survey of Celtic music and dance. Major topics include traditional instruments, basic music theory for Celtic music and the classification of tune types and forms of song and dance. The focus is mainly on the music and dance of Ireland, Scotland, and Cape Breton Island, with some exploration of other Celtic regions. Topics are examined from a cross-cultural perspective. No prior musical knowledge is required.

**FOLK2107****EARLY CANADIAN CELTIC MUSIC****Credits: 3****Exclusions:**

Unavailable to students with credit for FOLK241, CELT241, ETHM241, FINA241, HERT241.

Cross-listed with MUSI2221 Students will analyze the Celtic music tradition in the New World, by exploring different Canadian regions, specifically Western Canada, rural Quebec, Southern Ontario and Maritime Canada. The immense richness of the Celtic music in these regions and the wide range of influences that have nurtured the music socially and culturally will be examined.

**FOLK2108****CONTEMPORARY CANADIAN CELTIC MUSIC****Credits: 3****Exclusions:**

Unavailable to students with credit for FOLK243, CELT243, ETHM243, FINA243 or HERT243.

Cross-listed with MUSI2223 Students will analyze the Celtic music tradition in the New World, by exploring different Canadian regions, specifically Western Canada, rural Québec, Southern Ontario, and Maritime Canada. The immense richness of the Celtic music in these regions and the wide range of influences that have nurtured the music socially and culturally will be examined.

**FOLK2109****MATERIAL CULTURE****Credits: 3****Note:**

Offered every second year.

An examination of the role of Material Culture, including objects of cultural or personal meaning, whether purchased, created or inherited. Emphasis will be placed on Material Culture's role in folklife, custom, foodways, costume, and the built environment.

## **FOLK2111**

### **INTRODUCTION TO GAELIC SONG**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK207, CELT207, ETHM207 or FINA207.

Cross-listed with MUSI2201 Studies the history of the Celtic music traditions with special emphasis upon Scottish and Cape Breton musical traditions

## **FOLK2113**

### **INTRODUCTION TO CELTIC INSTRUMENTAL MUSIC**

**Credits: 3**

**Exclusions:**

Unavailable for students with credit to FOLK209, CELT209, ETHM209 or FINA209.

Cross-listed with MUSI2203 Studies the history of the Celtic music traditions with special emphasis upon Scottish and Cape Breton musical traditions.

## **FOLK2261**

### **CELTIC DANCE**

**Credits: 3**

**Exclusions:**

Unavailable for students with credit to FOLK230.

Cross-listed with MUSI 2214 Students will learn about social and solo dance forms from Scotland, Ireland and the new world diaspora. They will examine socio-cultural dance contexts (such as ceilidhs and competitions) and grapple with such issues as the impact of tourism on dance, dance as spectacle, invented dance traditions, changing dance traditions and contexts, intercultural influences, expressing identity through dance, and dance music. No dance background is required.

## **FOLK2401**



## **ORAL LITERATURE: STORYTELLING & OTHER VERBAL GENRES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK201 or FOLK200.

Cross-listed with ENGL2601 Analysis of storytelling, myths, folktales, legends, personal experience narratives, jokes, riddles, rhymes and proverbs.

## **FOLK2403**

### **ATLANTIC FOLK MUSIC**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK203 or ETHM203.

Cross-listed with MUSI2301 This course examines a variety of vernacular musical traditions and will consider aspects such as performers, audiences, aesthetics, functions, history, venues, transmission and collection. The definition of folk music will be debated. Folk music collections will also be studied and questioned.

## **FOLK2404**

### **URBAN LEGEND**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK223.

A study of contemporary legends, conspiracy theories, and rumour in North American culture, with an examination of how they function and how they affect our perceptions.

## **FOLK2405**

### **POPULAR MUSIC AND CULTURE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ETHM121, FINA221, FOLK121, or MUSI121.

This course examines the development of North American and British popular music by surveying key historical periods and genres which gave rise to and define the popular idiom. There will be an emphasis on the links between popular music and the prevailing social conditions of each period.

## **FOLK2406**

### **VERNACULAR ARCHITECTURE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK261, FINA107 or HIST203.

Cross-listed with HIST2111 An historical survey of vernacular architecture forms in various regions of North America with attention to Maritime materials.

## **FOLK2407**

### **FOOD AND CULTURE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK267.

An examination of the role food plays in traditional and contemporary culture. Topics include food as material culture, food and economy, food and the environment, food and drink in ritual and custom, food and dietary taboo, culinary tourism and traditional foodways in contemporary culture. Fieldwork and/or archival work required.

## **FOLK2408**

### **FOLKLIFE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FOLK251.

This course examines distinctive cultural regions throughout North America and the lifeways of the people living there. Students will conduct fieldwork.

## **FOLK2409**

### **THE HISTORY & DEVELOPMENT OF THE SINGER SONGWRITER**

## **Credits: 3**

Cross-listed with MUSI2409 This course surveys some of the key singer-songwriters of the past 80 years, examining the musical, social, economic and cultural meanings that have been developed by different singer-songwriter archetypes. The singer-songwriter's birth in the folk revivals of the 1930's and 1960's is surveyed. The different aesthetic and ideological purposes singer-songwriters have served, from grass-roots populism, to politically-conscious activism, to individualistic/personal revelation, to art-pop convergences, are addressed. The reshaping of singer-songwriter through different genre categories (folk, blues, rock, country, alternative) is assessed.

## **FOLK2411**

### **ROOTS MUSIC & ACOUSTIC POP**

## **Credits: 3**

Cross-listed with MUSI2408 This course surveys different artists and genres which are covered under the umbrella of folk or roots music in the North American context, including but not limited to traditional country, blues, gospel, folk revival, folk-rock, zydeco, and bluegrass. The ways in which these roots styles are used to construct authenticity, advance political causes, and create or maintain cultural identities of various kinds, are explored, as are themes such as anti-modernism, "acousticity," and revivalism.

## **FOLK2501**

### **POPULAR MUSIC & CULTURE: 1890 TO 1950**

## **Credits: 3**

#### **Exclusions:**

Unavailable to students with credit for FOLK2405, FOLK227, FOLK121, ETHM2401, ETHM227, ETHM121, FINA227, FINA121, MUSI2405, MUSI227 or MUSI121.

Cross-listed with MUSI2401 This course traces the development of popular song in North America from its earliest forms up to the development of rock and roll in the 1950's. Through topics such as parlour song, minstrelsy, jazz, country, swing and blues, the social, economic and technological forces that shaped popular song are explored in depth. The interrelationship between North American popular music and the diverse immigrant communities that helped create it is analyzed.

## **FOLK2503**

### **POPULAR MUSIC & CULTURE: 1950 TO PRESENT**

## **Credits: 3**

#### **Prerequisite:**

**Exclusions:**

Unavailable to students with credit to FOLK229, ETHM229, FINA229 or MUSI229.

**Note:**

Dec 2014 - dropped pre-reqs

Cross-listed with MUSI2403 A continuation of Popular Music and Culture I, this course surveys the development of British and North American popular song between the 1960's and the 2000's. In addition to profiling the key performers, genres, businesses and texts from the past 40 years, students are introduced to the many issues that make popular music so compelling: its role in politics, social identity, economic shifts and technological changes. The sound and history of the music are connected to the prevailing social and cultural climate of each decade.

**FOLK3105****FOLKTALES & LEGENDS OF FRENCH CANADA****Credits: 3****Exclusions:**

Exclusions: Unavailable to students with credit for FRNC335

The oral traditions of French Canada with emphasis on the narratives of Québec, Ontario, Manitoba and Acadie. Students registered as FOLK have the option to write their assignments in English or French.

**FOLK3106****LA CHANSON TRADITIONNELLE EN AMÉRIQUE FRANÇAISE****Credits: 3**

Crosslisted with FRC3106 and MUS3106I. An introduction to French traditional folk song in North America with an emphasis on its evolution in Acadia, Quebec and elsewhere in French Canada, as well as Louisiana. Students enrolled in the course as FRNC3106 must write their assignments in French. Students registered as MUSI or FOLK have the option to write their assignments in English or French.

**FOLK3201****FOLKLORE & POPULAR CULTURE****Credits: 3****Exclusions:**

Unavailable to students with credit for FOLK323.

Folk groups do not exist in vacuums: their members belong to multiple communities, defined as much by their participation in mediated events as by face-to-face interactions. This course examines the dissemination of Folklore through mass media, explores the use of popular culture in folkloric forms and challenges the initial premises that popular culture is a 'modern' and/or 'corrupting' influence on traditional societies.

## **FOLK3203**

### **ISSUES IN FOLKLORE THEORY**

**Credits: 3**

**Prerequisite:**

9 credits in Folklore.

**Exclusions:**

Unavailable to students with credit for FOLK325.

Keywords are critical within folklore studies: terms such as 'tradition', 'culture', 'heritage', 'community', 'performance', and 'art'. Appeals to each tend to suggest an ontological, quantifiable, and verifiable thing, something that exists outside of our recognition of it. This course examines the application of these terms both by folklorists and by 'the folk' themselves, and how the discipline of folklore has developed over time to incorporate critical theory.

## **FOLK3301**

### **REVIVALS & SURVIVALS: STUDYING FOLK SONGS & TRADITIONAL MUSIC**

**Credits: 3**

**Prerequisite:**

6 credits of ETHM/MUSI/FOLK (except performance courses)

Cross-listed with MUSI3301 CBU's programs in Folklore and Ethnomusicology specialize in folk and traditional music. Drawing on literature from both disciplines, as well as others, this course explores the study of this music. What exactly is folk music? Who defines it, on what basis, and with what effects? Who creates it and why? How does it travel through space and time, and how does it change as it does so? What is the value of this music and why should it be studied?

## **FOLK3400**

### **CANADA'S CULTURAL LANDSCAPE**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology; or 6 credits Folklore; or background in Cultural Geography.

**Exclusions:**

Unavailable to students with credit for FOLK332 or AN/S332.

Cross-listed with AN/S3202 The course takes an interdisciplinary approach to the exploration of both the perception and experience of landscape. Opportunities to examine and interpret the cultural landscapes of students' own regions are provided.

**FOLK3401****TRADITION & CULTURE****Credits: 3****Exclusions:**

Unavailable to students with credit for FOLK107, FOLK325, HERT107 or HUMA107.

Cross-listed with HUMA3401. Following an interdisciplinary study of selected themes in western culture, the student is introduced to a range of significant texts from the disciplinary areas of Folklore and related subjects.

**FOLK3403****GENDER IN TRADITIONAL AND INFORMAL CULTURE****Credits: 3****Prerequisite:**

Any 6 credits in FOLK/MUSI/ETHM except performance courses.

**Exclusions:**

Unavailable to students with credit for FOLK311.

A study of how patterns of assigning gender roles - the division of labour, ideas of masculinity and femininity, sexual identity, the body as form - can be both informed and perpetuated by 'traditional' culture. Simultaneously, a study of the remarkable adaptability of folkloric forms to act as a critique against these same patterns of role assignments. Fieldwork and/or archival work required.

**FOLK3511****POPULAR MUSICS OF THE WORLD****Credits: 3**

**Prerequisite:**

Any 6 credits in FOLK/MUSI/ETHM except performance courses.

**Exclusions:**

Unavailable to students with credit for FOLK321, ETHM321 or MUSI321.

Cross-listed with MUSI3511 This course focuses on popular musics from outside the North American and British mainstream. Students will grapple with various issues relating to global popular musics, including how they circulate the world and what happens as a result of transcultural contact, how "world music" has been constructed and consumed in the West, issues of intellectual property and ownership, language choice and the role and modes of mass media.

## **FOLK3601**

### **CULTURAL TOURISM: MUSIC, HERITAGE & THE EXOTIC**

**Credits: 3**

**Prerequisite:**

Any 6 credits ETHM/MUSI/FOLK except performance courses.

Cross-listed with MUSI3601 Cultural tourism is an increasingly popular type of tourism globally. But what kind of culture is privileged and what kind of culture is avoided in tourism contexts? How does culture get staged? Do tourists experience "kitsch" or "authentic" culture? How is authenticity defined? How does the tourist context affect traditional cultural expressions and beliefs within a community? This course analyzes the "culture" in cultural tourism with an emphasis on the role of music in cultural tourism.

## **FOLK3603**

### **CULTURE, FOLK & MUSIC FESTIVALS: IDENTITY ON DISPLAY**

**Credits: 3**

**Prerequisite:**

Any 6 credits ETHM/MUSI/FOLK except performance courses.

**Exclusions:**

Cross-listed with MUSI3603 Festivals are hugely popular around the world. They provide the means for communities to showcase that which makes them unique and identifiable, including their music, food, dress, dance, and artwork. Festivals provide the opportunity to celebrate culture and identity for local residents while providing a cultural entrypoint for tourists. In this course, students consider festivals from a variety of perspectives, such as ritual, the carnivalesque, revivals, nationalism, identity, gender, and sexuality.

## **FOLK3608**

## **MUSIC & PROTEST**

**Credits: 3**

**Prerequisite:**

6 credits of MUSI (except performance courses) FOLK or POLS.

**Exclusions:**

FOLK308

Cross-listed with POLS3155 and MUSI3608 Social protest and activism are profoundly important parts of modern society, and music offers a potent means of articulating, organizing, and shaping collective efforts to challenge the status quo. In this course, we explore music in an integral dimension of human behavior with the power to move masses, to change society, and to be a weapon of political power.

## **FOLK4800**

### **DIRECTED STUDY IN FOLKLORE**

**Credits: 6**

**Prerequisite:**

Restricted to Folklore majors - permission of Chair and consent of a faculty supervisor required

Folklore majors may select a course of study on any topic of special interest to them for which an appropriate faculty supervisor can be found from within the current Folklore faculty.

## **FOLK4801**

### **DIRECTED STUDY IN FOLKLORE**

**Credits: 3**

**Prerequisite:**

Restricted to Folklore majors - permission of Chair and consent of a faculty supervisor required

Folklore Majors may select a course of study on any topic of special interest to them for which an appropriate faculty supervisor can be found from within the current Folklore faculty.

## **FOLK4803**

### **DIRECTED STUDY IN FOLKLORE**

**Credits: 3**



**Prerequisite:**

Restricted to Folklore majors - permission of Chair and consent of a faculty supervisor required

Folklore Majors may select a course of study on any topic of special interest to them for which an appropriate faculty supervisor can be found from within the current Folklore faculty.

**FRNC1100****INTRODUCTORY FRENCH I****Credits: 6****Exclusions:**

Unavailable to students with credit for FRNC100.

Human Language Acquisition Course Designed for students with little or no previous training in French, the course delivers a comprehensive introduction to the basic structures and vocabulary of French.

**FRNC1102****INTRODUCTORY FRENCH II****Credits: 6****Exclusions:**

Unavailable to students with credit for FRNC150.

Human Language Acquisition Course The course stresses communication skills and meets the needs of students for a course beyond 1100 or Grade 11.

**FRNC1203****FRENCH FOR HOSPITALITY & TOURISM****Credits: 3****Exclusions:**

Available for credit in the Hospitality Administration program only. Unavailable to students with credit for FRNC155.

Human Language Acquisition Course A focus on communication skills for a wide variety of situations related to the hospitality/tourism industry.

**FRNC2100**

## **FRANÇAIS NIVEAU INTERMÉDIAIRE**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for FRNC202.

Human Language Acquisition Course Develops four basic skills with emphasis on listening comprehension and conversation. Instruction mainly in French.

## **FRNC2101**

### **COMMUNICATION ORALE ET ÉCRITE I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC211.

Human Language Acquisition Course The emphasis is on reading and composition in addition to conversation. Instruction in French only.

## **FRNC2103**

### **COMMUNICATION ORALE ET ÉCRITE II**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC212.

Human Language Acquisition Course The emphasis is on reading and composition in addition to conversation. Deeper development of vocabulary and sentence structure.

## **FRNC2104**

### **CONVERSATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC231.

Human Language Acquisition Course A focus on current events and related topics using French

newspapers, magazines and the electronic media. Includes a grammar component.

## **FRNC2105**

### **RÉDACTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC232.

Human Language Acquisition Course Follow-up to 2104 including more in-depth readings. Oral and written reports. Continuation of the grammar component.

## **FRNC2106**

### **GRAMMAIRE INTENSIVE ET COMMUNICATIVE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC262.

Human Language Acquisition Course A comprehensive study of French grammar, both descriptive and normative, with a focus on areas such as morphology, syntax, the identification and correction of anglicisms, barbarisms, solecisms and other language improprieties.

## **FRNC2301**

### **CIVILISATION QUÉBÉCOISE ET ACADIENNE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC241.

**Note:**

June 10, 2015 - changed calendar description to read beginning of twentieth century instead of end of nineteenth century

Crosslisted with HIST2301. A study of the many facets of French-Canadian civilization from colonial times to the beginning of the twentieth century. Students registered as HIST have the option to write their assignments in English or French.

## **FRNC2303**

### **LE CANADA FRANÇAIS DEPUIS 1914**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC242.

**Note:**

course description was revised june 10, 2015

Crosslisted with HIST2303. A study of Francophone society in twentieth and twenty-first century Canada, with an emphasis on history, education, arts and literature. Students registered as HIST have the option to write their assignments in English or French.

## **FRNC2305**

### **LANGUE ET CULTURE ACADIENNE**

**Credits: 3**

**Prerequisite:**

FRNC2100, 2101/2103 or 2106 or permission of the Department.

A study of the socio-cultural and sociolinguistic situation of the Acadian communities of the Atlantic Provinces. The course will focus on specific features of Acadian French as well as major aspects of present day life in Acadian communities. This course is taught in French language.

## **FRNC2324**

### **CINÉMA FRANÇAIS ET FRANCOPHONE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC243.

An interdisciplinary approach to improving knowledge of the French language and culture through the medium of contemporary cinema.

## **FRNC2401**

### **PANORAMA DE LA LITTÉRATURE FRANÇAISE I**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for FRNC251.

A survey of major authors, genres and texts from the Middle Ages to the eighteenth century. Includes class discussions of assigned readings

## **FRNC2403**

### **PANORAMA DE LA LITTÉRATURE FRANÇAISE II**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for FRNC252.

Continues FRNC2401 to include assigned readings from the nineteenth and twentieth centuries.

## **FRNC3100**

### **CONVERSATION AVANCÉE**

## **Credits: 6**

### **Exclusions:**

Unavailable to students with credit for FRNC310.

Human Language Acquisition Course Designed to develop greater fluency in the spoken language and improve pronunciation. Laboratory and small-group work.

## **FRNC3101**

### **LEXICOLOGIE**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for FRNC311.

A study of word meaning in French oral and written discourse, word formation processes, kinds of semantic relationships and variation across time and space.

## **FRNC3102**

### **LINGUISTIQUE FRANÇAISE**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for FRNC320.

The study of French grammar and the connection between language and communication.

## **FRNC3103**

### **STYLISTIQUE COMPARÉE ET TRADUCTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC312.

Human Language Acquisition Course A selective study of different linguistic forms, variants and vocabulary peculiar to different users, situations or literary types.

## **FRNC3105**

### **CONTES ET LÉGENDES DU CANADA FRANÇAIS**

**Credits: 3**

**Prerequisite:**

FRNC2401.

**Exclusions:**

Unavailable to students with credit for FRNC335.

Crosslisted with FOLK3105. The oral traditions of French Canada with emphasis on the narratives of Québec, Ontario, Manitoba and Acadie. Students registered as FOLK have the option to write their assignments in English or French.

## **FRNC3106**

### **LA CHANSON TRADITIONNELLE EN AMÉRIQUE FRANÇAISE**

**Credits: 3**

**Prerequisite:**

6 credits in French at the 2000 level or FOLK/MUSI: 6 credits in Folklore and/or MUSI (excluding performances music courses).

Crosslisted with FOLK3106 and MUS3106. An introduction to French traditional folk song in North America with an emphasis on its evolution in Acadia, Quebec and elsewhere in French Canada, as well as Louisiana. Students enrolled in the course as FRNC3106 must write their assignments in French. Students registered as MUSI or FOLK have the option to write their assignments in English or French.

**FRNC3107****LINGUISTIQUE FRANÇAISE****Credits: 3****Prerequisite:**

9 credits in language acquisition at the 2000 level ( including FRNC2106 or permission of the professor).

The course is a survey of the core areas of linguistics: phonetics, phonology, morphology, syntax and semantics. Students will become familiar with key concepts of general linguistics, with emphasis on the structure of the French language.

**FRNC3108****CONVERSATION AVANCÉE****Credits: 3****FRNC3109****RÉDACTION, VOCABULAIRE ET STYLE****Credits: 3****FRNC3110****LE THÉÂTRE D'EXPRESSION FRANÇAISE AU CANADA****Credits: 6****Exclusions:**

Unavailable to students with credit for FRNC350.

French Canadian theatre with emphasis on contemporary, popular plays and playwrights.

## **FRNC3301**

### **PRAGMATIQUE ET COMMUNICATION INTERCULTURELLE**

**Credits: 3**

**Prerequisite:**

FRNC2101, 2103, 2104, 2105 2324, 2106 or FRNC3100, 3101, 3103, 3102 or permission of the Department.

**Note:**

Course description change made on February 26, 2016

A cross-cultural approach to politeness strategies and speech acts (e.g. compliments, request, apologies, refusals, complaints, etc.) in French and English.

## **FRNC3303**

### **SOCIOLINGUISTIQUE FRANÇAISE**

**Credits: 3**

**Prerequisite:**

9 credits in Language acquisition at the 2000 level (including FRNC2106) or permission of professor.

**Exclusions:**

Unavailable to students with credit for FRNC3102

The course introduces students to the history, status and features of varieties of French in and outside of Canada. Students will understand the impact of region, time, situation, age, gender, status, media, etc. on the French language and become familiar with research methods and key concepts (e.g. bilingualism, indigenization, language contact, language ecology, linguistic rights, linguistic variation, identity, etc.) in sociolinguistics.

## **FRNC3405**

### **L'ÉCRITURE FÉMININE CANADIENNE FRANCOPHONE**

**Credits: 3**

## **FRNC3441**



## **LITTÉRATURE QUÉBÉCOISE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC3441

A study of the most popular writers from Quebec. The emphasis is on the novel and the play.

## **FRNC3443**

## **LITTÉRATURE ACADIENNE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for FRNC332.

A study of Acadian literature, its beginnings, survival and renaissance. Emphasis is on the period 1945 to the present day.

## **GAEL1101**

## **GAELIC LANGUAGE I**

**Credits: 3**

**Exclusions:**

Unavailable to students having credit for GAEL101, CELT101 or CELT100.

Introduces students to the living language spoken in Cape Breton and in Scotland. Discussion of various dialects of Scottish Gaelic spoken here, the Gaelic song and story telling traditions and the unique position of Cape Breton in the Gaelic world.

## **GAEL1103**

## **GAELIC LANGUAGE II**

**Credits: 3**

**Prerequisite:**

GAEL1101.

**Exclusions:**

Unavailable to students having credit for GAEL103, CELT103 or CELT100.

This course builds on GAEL1101 with an increased emphasis on conversational skills.

## **GAEL2101**

### **ADVANCED GAELIC I**

**Credits: 3**

**Prerequisite:**

GAEL1101/1103.

**Exclusions:**

Unavailable to students having credit for GAEL201 or CELT201.

This course builds on the knowledge and skills acquired in GAEL1103. The primary aim is to develop reasonable fluency in the written and spoken language. Emphasis is placed on the use of idiom and more advanced grammatical structures presented in the context of conversation and recitation.

## **GAEL2102**

### **ADVANCED GAELIC**

**Credits: 6**

## **GAEL2103**

### **ADVANCED GAELIC II**

**Credits: 3**

**Prerequisite:**

GAEL2101.

**Exclusions:**

Unavailable to students having credit for GAEL203 or CELT203.

This course builds on the knowledge and skills acquired in GAEL2101. The primary aim is to develop reasonable fluency in the written and spoken language. Emphasis is placed on the use of idiom and more advanced grammatical structures presented in the context of conversation and recitation.

## **GAEL3101**

## **ADVANCED GAELIC III**

**Credits: 3**

**Prerequisite:**

GAEL2103

**Exclusions:**

Unavailable to students with credit for GAEL301.

This course develops the student's listening, speaking, reading and writing skills in Gaelic, in order to participate in sustained communication in a wide range of contexts on both familiar and less familiar topics.

## **GAEL3103**

### **ADVANCED GAELIC IV**

**Credits: 3**

**Prerequisite:**

GAEL3101.

**Exclusions:**

Unavailable to students with credit for GAEL303.

This course will reinforce, extend, and apply the language skills developed in GAEL3101, enabling the student to analyse the style, content, purpose and perspective of spoken communication in Gaelic and provide a critical response.

## **GEOL1105**

### **INTRODUCTION TO GEOLOGY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for GEOL101, 1101,1103,2101.

This course is an introduction to geology for students in all fields. This course will develop an understanding of the composition and large-scale structure of the earth, how it functions as a planet and system and how geology affects every aspect of life on earth. Students will be introduced to plate tectonics, rock types, natural hazards and geological resources.

## **GEOL1105L**

## **INTRODUCTION TO GEOLOGY LAB**

**Credits: 0**

## **GEOL1107**

### **DEADLY PLANET: THE SCIENCE OF NATURAL DISASTERS**

**Credits: 3**

Earthquakes! Volcanoes! Tornadoes! They're terrifying, but how do they work? (And are you in danger here in Nova Scotia?) This course will survey the main geological processes that affect people and their environment, with a focus on natural and anthropogenic geologic hazards. Topics covered will include volcanoes, earthquakes, tsunamis, extreme weather, climate change, and meteor impacts. The focus will be on developing a scientific understanding of the causes of these phenomena, but the course will also examine technologies that allow us to predict or adapt to these threats, as well as case studies of some of the most destructive historical examples of each class of disaster. No background in science is assumed.

## **GEOL1205**

### **EVOLVING EARTH: PROCESSES & ENVIRONMENTS**

**Credits: 3**

**Prerequisite:**

GEOL1105 or GEOL2101

**Note:**

DEC 2014 edit - added pre-reqs

This course will examine how the earth and its surface environments have evolved. Students will be introduced to the major evolutionary stages in Earth history, and examine the planetary scale processes that drive these changes, with an emphasis on surface processes, including modern and ancient environments. The evolution of living organisms and their roles in, and responses to environmental changes will also be included.

## **GEOL1205L**

### **EVOLVING EARTH: PROCESSES & ENVIRONMENTS LAB**

**Credits: 0**

## **GEOL2101**

### **ENGINEERING GEOLOGY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for GEOL234.

Rock and mineral identification for aggregate selection and AAR concerns. Rock-mass calculations examined, geotechnical methods to assess geological hazards and preferred engineering solutions. Introduction to aerial photos, topographic and geological maps. Field trip to local quarries and geologic structures. Petroleum related topics will be discussed.

## **GEOL2103**

### **GEOCHEMISTRY**

**Credits: 3**

**Prerequisite:**

CHEM1105 and GEOL1105

Cross-listed with CHEM2103 This course examines the applications of basic chemical principles from an earth science perspective. It covers the geochemical processes involved in the formation of rocks and mineral, the evolution of crustal and surface environments, and the behaviour of different groups of chemical elements in geological environments. Applications of geochemical principals in isotope geochemistry (stable and radioactive), tracer geochemistry, and public health will be examined.

## **GEOL2103L**

### **GEOCHEMISTRY LAB**

**Credits: 0**

## **GEOL3101**

### **HYDROGEOLOGY**

**Credits: 3**

**Prerequisite:**

GEOL1203.

**Exclusions:**

Unavailable to students with credit for GEOL315

The study of ground water as part of the hydrological cycle. Physical aspects of water movement in geological materials. Drinking water quality, contamination, remediation and ground water monitoring. Resource mapping and exploitation of ground water.

**GEOL3103****PETROLEUM GEOLOGY****Credits: 3****Prerequisite:**

GEOL2101

This course will explore the geological principles involved in the formation and preservation of petroleum resources. Students will be introduced to carbonate and siliciclastic sedimentology, basic sequence stratigraphic principles, basin analysis and structural geology as related to petroleum exploration and recovery.

**GEOL3103L****PETROLEUM GEOLOGY LAB****Credits: 0****GWST1101****INTRO TO GENDER AND WOMEN'S STUDIES****Credits: 3**

This course will serve as an introduction to some of the significant topic areas in the fields of gender and women's studies. Students will be invited to critically examine the social understanding of gender and the powerful role that gender plays in the arenas of family, personal relationships, the criminal justice system, the economy, work, the media, health sexualities, security and the environment.

**HATM1501****INTRO FOOD THEORY & NUTRITION****Credits: 3**

**Exclusions:**

Unavailable to students with credit for HATM161

Students will learn the fundamentals of nutrition, food preparation, proper food handling, and workplace safety with reference to current lifestyle and food industry standards.

**HATM1503****RESTAURANT OPERATION & SERVICE****Credits: 3****Prerequisite:**

HATM1501.

**Exclusions:**

Unavailable to students with credit for HATM162.

Students will acquire a comprehensive overview of the various techniques associated with dining room service.

**HATM1504****HOSPITALITY TOURISM IN CANADA****Credits: 3****Exclusions:**

Unavailable to students with credit for HATM165.

Students are instructed in the fundamental components of the hospitality and tourism industry in Canada.

**HATM1506****INTRODUCTION TO TOURISM MARKETING****Credits: 3****Exclusions:**

Unavailable to students with credit for HATM163.

**Note:**

At the time of printing, this cross-listing was being re-evaluated. Please refer to the HTML calendar at

www.cbu.ca for details or contact the Dean of Business.

This course examines the concept of markets, market studies, market segmentation, consumer behaviour, and the development of marketing strategies from a tourism service/product market perspective.

## **HATM2999**

### **INDUSTRY INTERNSHIP I**

**Credits: 0**

**Exclusions:**

Unavailable to students with credit for HATM269.

Following the successful completion of year one, the student is required to work in the industry. This component requires project completion and 540 employment hours.

## **HATM3125**

### **TOURISM OPERATION PLANNING**

**Credits: 3**

**Prerequisite:**

ACCT1204, HATM1503, HATM1506 and HATM3504.

**Exclusions:**

Unavailable to students with credit for HATM363.

The course emphasizes the use of knowledge and skills acquired in accounting, marketing, facilities management, human resources and restaurant operations in the tourism manager's decision making. The emphasis is on the interrelationship of the core business areas required to plan, develop and sustain demand for the organization in the tourism industry.

## **HATM3503**

### **MEETINGS AND CONVENTION MANAGEMENT**

**Credits: 3**

**Prerequisite:**

HATM1501 and HATM1503 or permission of the instructor.

**Exclusions:**



Unavailable to students with credit for HATM365.

This course provides a comprehensive overview of the Meetings, Expositions, Events and Conference industry (MEEC). Attention will be placed on the importance of corporate and association-based clients, marketing, and management approaches.

## **HATM3504**

### **RESORT/FACILITIES MANAGEMENT AND MAINTENANCE**

**Credits: 3**

**Prerequisite:**

HATM1504 and HATM1505.

**Exclusions:**

Unavailable to students with credit for HATM367

This course provides students with an in-depth knowledge of management processes in the development and operation of lodging or institutional property structures.

## **HATM3505**

### **HOSPITALITY/TOURISM LAW**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HATM368.

This course provides students with insight into the legal relationships between innkeepers, restaurateurs, tour operators and their guests. Risk and liability reduction as well as ethical service will be a major

## **HATM3508**

### **DESTINATION MARKETING MANAGEMENT**

**Credits: 3**

**Prerequisite:**

HATM1506 or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for HATM375.

This course will examine destination marketing management as a field of study, investigating concepts that apply to the development of tourist destinations. Students will examine marketing management as it relates to destination branding, destination sustainability and the opportunities and challenges facing local, regional and national destination marketing organizations in an increasingly competitive tourism marketplace.

## **HATM3509**

### **INTERNATIONAL TOURISM MANAGEMENT**

**Credits: 3**

**Prerequisite:**

HATM1504 and MGMT3607.

**Exclusions:**

Unavailable to students with credit for HATM373

This course will introduce the concepts associated with cross-cultural awareness; political influence and stability; education, training and development; currency exchange; strategic development and trending in international tourism operations. Students will explore topical issues and concepts through classroom discussion, case studies, and presentations. Upon successful completion of the course students should be able to apply information learned in a wide range of management sectors including the hospitality, tourism, accommodation and travel industries.

## **HATM3999**

### **PARTNERSHIP WITH INDUSTRY - PRACTICUM II**

**Credits: 0**

**Prerequisite:**

HATM2999.

**Exclusions:**

Unavailable to students with credit for HATM369.

The program's second work placement. The objective is to enhance the student's qualifications for employment. This component requires project completion and 540 employment hours.

## **HERT998**

### **UNSPECIFIED HERITAGE STUDIES**

**Credits: 6**

## **HIST1006**

### **UNSPECIFIED HISTORY**

**Credits: 3**

## **HIST1100**

### **THE ASCENT OF HUMANKIND**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for HIST100. Students may not take both HIST1100 and Humanities 1101/1106 for credit.

An historical/thematic study of civilization and culture in the Western world from ancient times to the present.

## **HIST1101**

### **THE ASCENT OF HUMANKIND I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HIST100 or HIST1100

This course provides a historical and thematic examination of civilization and cultures in the Western World from pre-history through the classical and early medieval worlds.

## **HIST1103**

### **THE ASCENT OF HUMANKIND II**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HIST100 or HIST1100

This course provides a historical and thematic examination of civilization and cultures in the Western

World from the Renaissance and Reformation to the modern era.

## **HIST1105**

### **STORIES WE TELL (HISTORY MEMORY & MEANING)**

**Credits: 3**

This course explores the ways in which the past is remembered, represented, and used in the present. It is open to students from any degree program. Important themes include: the nature of human memory, the political uses of history, and the research methods used by scholars. Students will learn how to conduct original, independent research. Classroom activities and assignments will stress debate and dialogue and explore the connections between scholarly disciplines and students of varying backgrounds and academic interests.

## **HIST1107**

### **WOMEN IN CIVILIZATION**

**Credits: 3**

## **HIST1115**

### **INTRODUCTION TO WORLD RELIGIONS: EASTERN TRADITIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HIST115, HUMA115, RELS115 or RELS110.

Cross-listed with HUMA1104 and RELS1115 The history, practice and meaning of the Hindu and Buddhist traditions will be examined along with Jainism and Sikhism. Their contribution to our understanding of religion as a whole and present day role of these traditions in world events will be discussed.

## **HIST1117**

### **INTRODUCTION TO WORLD RELIGIONS: WESTERN TRADITIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HIST117, HUMA117, RELS117 or RELS110.

Cross-listed with HUMA1105 and RELS1117 Judaism, Christianity and Islam are three great world

religions that have influenced Western society. This course will examine the origins, major historical developments, cultural influence and teachings of these world religions. There will also be an emphasis on the role these religions play in current world events and politics.

## **HIST2100**

### **THE MEDIEVAL EXPERIENCE**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credit Humanities.

**Exclusions:**

Unavailable to students with credit for HIST212.

Explores the full scope of medieval civilization in Europe, from the disintegration of the Roman Empire in the west in the fifth century to the Voyages of Discovery in the fifteenth. Covers high politics and religion as well as social structure, thought and belief, cultural achievements and women and minority groups.

## **HIST2101**

### **CANADA: CONQUEST TO CONFEDERATION**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST201.

Beginning with the British conquest in 1763, the course examines the evolution of Canadian nationality with its religious, cultural and regional diversity.

## **HIST2102**

### **CELTIC HISTORY**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credit Humanities

**Exclusions:**

Unavailable to students with credit for HIST234 or CELT234

Traces the origins and history of the Celtic people of Scotland, Ireland and Wales and their contributions to the development of Western civilization. Special emphasis is placed on their role in developing Western Christianity.

## **HIST2103**

### **CANADA IN A MODERN WORLD**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST205.

Beginning with Confederation, an examination of the major themes in the evolution of Canada to the present.

## **HIST2104**

### **ATLANTIC CANADA BEFORE CONFEDERATION**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST207.

Examines settlement and political, economic, social and cultural change in the region from pre-contact Mi'kmaq society to 1867.

## **HIST2105**

### **ATLANTIC CANADA 1867-1990**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credit Humanities.

**Exclusions:**

Unavailable to students with credit for HIST209

The history of economic, political and social change in the region after Confederation.

## **HIST2106**

### **THE REFORMATIONS**

**Credits: 3****Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST251.

A study of religious reform movements in the sixteenth century, beginning with Christian Humanism, then to Martin Luther, John Calvin, the Anabaptists and other Protestant groups, and concluding with a consideration of Catholic Reform, expressed through Loyola and the Council of Trent.

## **HIST2107**

### **EUROPE IN THE 17TH CENTURY**

**Credits: 3****Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST253.

The struggle for European hegemony, revolutions, overseas empires, rise of modern science and changes in European thought, religion and society.

## **HIST2108**

### **HISTORY OF CHRISTIANITY I: THE CHRISTIANIZATION OF WESTERN EUROPE**

**Credits: 3****Prerequisite:**

HIST1100 or 6 credits Humanities

**Exclusions:**

Unavailable to students with credit for HIST261 or RELS261

Cross-listed with RELS2161 The rise of Christianity from its origins as a sect within Judaism to its domination of life in medieval Europe.

## **HIST2109**

### **HISTORY OF CHRISTIANITY II: CHRISTIANITY & THE MODERN WORLD**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST263 or RELS263

Cross-listed with RELS2163 The history of Christianity from the reformations of the sixteenth century to the present.

## **HIST2110**

### **MI'KMAQ HISTORY**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credit Humanities.

**Exclusions:**

Unavailable to students with credit for HIST204 or MIKM212

Cross-listed with MIKM2120 A culturally relative chronicle of significant aspects of Mi'kmaq culture from the pre-contact period to the present. Emphasis is placed on innovative methods of historical reconstruction.

## **HIST2111**

### **VERNACULAR ARCHITECTURE**

**Credits: 3**

**Exclusions:**



Unavailable to students with credit for HIST203, FINA107, or FOLK261.

Cross-listed with FOLK2406 An historical survey of vernacular architectural forms in various regions of North America with special attention to Maritime materials

## **HIST2112**

### **SURVEY OF BRITISH HISTORY**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credit Humanities

**Exclusions:**

Unavailable to students with credit for HIST232

The diversity and history of Britain from its early beginnings to the present: thematic and chronological perspectives.

## **HIST2113**

### **EUROPE IN RENAISSANCE & REFORMATION**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

Between 1450 and 1600 Europe witnessed the cultural renewal of the Renaissance and the disruption of the Reformation. These two movements are at the heart of this course, and are situated in the political, social, and economic developments of the time.

## **HIST2114**

### **A HISTORY OF MONEY**

**Credits: 3**

What is money? Why and how does it assume value? How have its uses changed over time? And what has been its societal impact? Exploring the emergence of systems of exchange rooted in evolving politico-economic arrangements, including state formation, the development of financial institutions and financial innovation, and the expansion of global trade, this course demystifies money and examines the ways in which money and financial innovation have reshaped our world. Approaching the subject from a global perspective, this course will pay particular attention to the history of money in North America.

## **HIST2115**

### **CANADIAN MILITARY HISTORY**

**Credits: 3**

Although Canadians tend to think of themselves as an unmilitary people, the reality is that Canada has been involved in global, regional and local wars throughout its history, including the pre-European period. This course will introduce students to the military component of Canadian history, not only reviewing Canadian involvement in wars, but also examining the role of the military in Canadian society, both in terms of aid to the civil power and as an extension of foreign policy.

## **HIST2116**

### **HISTORY GOES TO THE MOVIES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HIST4700: Special Topics in History: History and Film

Cross-listed with COMM2116 This course explores the ways in which history is represented on film. What do films convey to us about the past and how do they convey it? To what extent is history on the "screen" different than history on the "page"? How do films about history shape our perceptions, shared memories, and national mythologies? These and other questions will be examined in detail. A wide range of film types - from mainstream drama to experimental documentary - from diverse national settings, including Canada, United States, France, Germany and China, will be used throughout the course

## **HIST2117**

### **AMERICA: FREEDOM & EMPIRE**

**Credits: 3**

This course explores the history of the United States through the theme of freedom. Examining how the definition, scope, and practice of freedom changed over time, the course examines how groups - divided by gender, class, and ethnicity - thought about, contested, and shaped popular understandings of freedom. Students will become familiar with debates about the nature of freedom - its dynamic relationship to citizenship and nationality, equality and democracy, territorial expansion and imperialism, slavery and free labour - and develop a broad understanding of key events and trajectories of American

history.

## **HIST2118**

### **THE FIRST WORLD WAR & THE SHAPING OF THE 20TH CENTURY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HIST4122

This course will examine the origins, evolution, and impact of the First World War. Particular attention will be paid to the battlefield strategy and tactics, the evolution of military thinking, and the revolutionary technological innovations that made this the first modern war.

## **HIST2120**

### **REFORMERS, REVOLUTIONARIES, AND TYRANTS: EUROPE, 1789-1989**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST250.

From 1789 to 1989, the fall of the Bastille to the fall of the Berlin Wall, European society was transformed both by the development of technology, and also by dramatic political events, including the fall of the ancien regime in France and the fall of Communism in Eastern Europe. The course will focus on times of rapid and often violent change, and the role of the concept of 'nation' in the events of the time.

## **HIST2130**

### **HISTORY OF EMPIRE**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities

**Exclusions:**

Unavailable to students with credit for HIST236

The evolution of the British Empire and Commonwealth from its origins to the present. Focus is on the

"Old Dominions", India and West Africa.

## **HIST2220**

### **AMERICAN EXPERIENCE**

**Credits: 6**

## **HIST2301**

### **CIVILISATION QUÉBÉCOISE ET ACADIENNE**

**Credits: 3**

**Exclusions:**

FRNC241

A study of the many facets of French-Canadian civilization from colonial times to the end of the nineteenth century. Students registered as HIST have the option to write their assignments in English or French.

## **HIST2303**

### **LE CANADA FRANÇAIS DEPUIS 1914**

**Credits: 3**

**Exclusions:**

FRNC242

Continues 2301 focusing on the twentieth century, with an emphasis on the modern history, education, arts and literature of the two francophone cultures. Students registered as HIST have the option to write their assignments in English or French.

## **HIST3100**

### **HISTORIOGRAPHY**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST318.

History is the narrative of humanity. This course will investigate the nature of historical writing from antiquity to the present day. Students will read widely in the historical writers of various times and places; they will also prepare major papers and participate in seminars.

## **HIST3101**

### **MODERN IRELAND, 1603-1848**

**Credits: 3****Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST331 or CELT331.

Ireland from the Plantations to the Famine, including such themes as the Penal Laws, secret societies, rebellion and political movements.

## **HIST3102**

### **FIELD SCHOOL IN HISTORICAL ARCHAEOLOGY**

**Credits: 6****Prerequisite:**

12 credits in Anthropology and/or Sociology. With explicit permission of the Department Chair, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

**Exclusions:**

Unavailable to students with credit for ANTH304, HERT340, or HIST340.

Cross-listed with ANTH3102 This course gives students field instruction in the techniques used in the excavation of an archaeological site. Hands-on instruction in manual excavation methods, mapping, field recording, and laboratory analysis will prepare students as qualified archaeological field technicians. First class held on campus; all others at local field site

## **HIST3103**

### **MODERN IRELAND, 1848-2000**

## **Credits: 3**

### **Prerequisite:**

HIST1100 or 6 credits Humanities.

### **Exclusions:**

Unavailable to students with credit for HIST333 or CELT333

Themes include the rise of the IRB and the IRA, religion, cultural revival, rebellion, the establishment of the free state, the "troubles," and contemporary Ireland.

## **HIST3104**

### **SOCIAL HISTORY OF MODERN CANADA I**

## **Credits: 3**

### **Prerequisite:**

HIST1100 or 6 credits Humanities.

### **Exclusions:**

Unavailable to students with credit for HIST309.

Themes will include poverty in the nineteenth century, First Nations' experiences, regionalism, working class culture, child workers, immigrants, women and reform movements

## **HIST3105**

### **SOCIAL HISTORY OF MODERN CANADA II**

## **Credits: 3**

### **Prerequisite:**

HIST1100 or 6 credits Humanities

### **Exclusions:**

Unavailable to students with credit for HIST311.

Topics will include social violence and control, the role of the state, the Great Depression, immigration, women in wartime, discrimination, and post-industrial trends

## **HIST3107**

### **TUDOR ENGLAND**

## **Credits: 3**

### **Prerequisite:**

HIST1100 or 6 credits Humanities.

### **Exclusions:**

Unavailable to students with credit for HIST337.

England from 1485 to 1603. Establishing the dynasty, foreign policy, relations with Ireland and Scotland, reform of the church, Puritanism, overseas exploration, society, economy and government.

## **HIST3108**

### **STUART ENGLAND**

## **Credits: 3**

### **Prerequisite:**

HIST1100 or 6 credits Humanities.

### **Exclusions:**

Unavailable to students with credit for HIST339.

England from 1603 to 1714. Political thought and conflict, constitutional experimentation, religious conflict, civil war, Glorious Revolution, rise of scientific thought and migration, particularly to New England.

## **HIST3109**

### **SCOTLAND: 1500-1603**

## **Credits: 3**

### **Prerequisite:**

HIST1100 or 6 credits Humanities.

### **Exclusions:**

Unavailable to students with credit for HIST341.

Scotland's internal politics; relationships with France and England, with which it became dynastically linked in 1603; the Reformation; ideas about nation; political thought; economy; and society.

## **HIST3110**

# **ABORIGINAL AND TREATY RIGHTS IN THE CANADIAN CONSTITUTION**

**Credits: 6**

**Prerequisite:**

MIKM1100 or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for HIST312, MIKM340 or POLS340.

Cross-listed with MIKM3120 and POLS3110 The study of Mi'kmaq Aboriginal and treaty rights in Atlantic Canada. The issue of enshrining Aboriginal and treaty rights in S.25 and S.35 of the Constitution Act (1982) will be emphasized.

## **HIST3111**

### **SCOTLAND 1603-1707**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST343

Emphasis will be upon church and state. The relationship with England up to the union of parliaments, Scottish evangelical piety, the National Covenant, war with England, the later covenanters and the impact of the Glorious Revolution.

## **HIST3112**

### **PUBLIC HISTORY AND MUSEOLOGY**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits in Humanities

**Exclusions:**

Unavailable to students with credit for HIST380, COMM380 or HERT350.



Cross-listed with COMM3120 An overview of museum and heritage institutions over the past two centuries and how different nations, communities, and cultures interpret their history to the general public.

## **HIST3113**

### **CAPE BRETON HISTORY. 1820-1910**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST305 or HERT305

The settlement of Cape Breton, cultural aspects of nineteenth century society, immigration/emigration and the transformation that accompanied industrialization.

## **HIST3114**

### **CAPE BRETON HISTORY, 1910-2000**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST307 or HERT307.

The emergence of the working class culture, industrial conflict, politics, economic development/underdevelopment and images and realities in post-industrial Cape Breton.

## **HIST3115**

### **VARIETIES OF HISTORY**

**Credits: 3**

**Prerequisite:**

6 credits of History

**Exclusions:**

Unavailable to students with credit for HIST318 and HIST3100.

This course will introduce students to the variety of historical writing from ancient Hebrew culture up to the contemporary era. Reading primary sources will be emphasized and students will receive advanced instruction about historical research.

## **HIST3116**

### **RACIAL SEGREGATION IN CANADA & THE US**

**Credits: 3**

**Prerequisite:**

6 credits of History or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for HIST324, HIST3120 , MIKM375 and MIKM3320.

This course provides a comparative history of the black experience and the practice of racial segregation in Canada and the United States. It traces one of the central narratives of race in Canada and the United States from the institution of slavery under French and British rule during the seventeenth and eighteenth-century to the abolitionist movement and the Underground Railroad in the nineteenth-century to the practice of racial segregation and the civil rights movement in the twentieth - century.

## **HIST3120**

### **RACE RELATIONS IN NORTH AMERICA**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST324 or MIKM375.

A history of the cultural interaction between whites, native Americans, and blacks in North America from the period of exploration and first contact to the present. Seminar.

## **HIST3122**

### **THE MODERN SCOTTISH HIGHLANDS**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST334 or CELT334.

The Celtic Society of the Scottish Highlands from the battle of Culloden to the present. Special emphasis on Cape Breton's Highland heritage.

## **HIST3130**

### **THE VIKING WORLD**

**Credits: 6****Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST346 or CELT368

Explores the origins of the Vikings; their expansion and settlement in Europe, Britain, Russia, and the North Atlantic; and their impact. Considers political and social organization as well as technology and religion (including conversion to Christianity) from A.D. 700 to about 1266. Also examines current debates about the nature of Vikings and Viking expansion.

## **HIST3131**

### **ATL WORLD DURING THE AGE OF SAIL: SAILORS, SLAVES, PIRATES AND REVOLUTIONARIES**

**Credits: 3****Prerequisite:**

6 credits in History or permission of professor

**Exclusions:**

Unavailable to students with credit for HIST320 or HIST3132

By the late 19th century, European explorers had drawn four continents, and the millions of people who lived there, into a zone of interaction centred on the Atlantic Ocean. This course examines the formation and development of this "Atlantic world" through the experiences of sailors, slaves, pirates, and revolutionaries. Particular emphasis will be placed on the Anglo-American context.

## **HIST3132**

# THE ATLANTIC WORLD DURING THE AGE OF SAIL

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST320.

By the late seventeenth century, European explorers had drawn four continents and the millions of people who lived there, into a zone of interaction centred on the Atlantic Ocean. This Atlantic world was not discovered, but was created, over time, by Europeans, Africans and Indigenous peoples. By no means equal in power and influence, they were tied together by a complex web of economic, political and cultural connections that reshaped life in Europe, Africa and the Americas in revolutionary ways. Organized around the experience of seafarers, slaves and pirates, this course examines the formation and development of the Atlantic world during the age of sail (roughly the late seventeenth to the early nineteenth century) from the bottom up. Particular emphasis will be placed on the Anglo-American and Caribbean contexts.

## HIST3133

### SLAVERY & FREEDOM IN THE AMERICAS

**Credits: 3**

**Prerequisite:**

6 credits in History

**Exclusions:**

Unavailable to students with credit for HIST320 or HIST3132

This course examines slavery in the Americas -from the origins of European colonization of the "New World" in the late 15th century to the abolition of slavery by the British Parliament nearly 350 years later. Particular attention will be paid to the gendered nature of slave life and ways in which slaves resisted their exploitation. The course concludes with a consideration of the global campaign to abolish slavery and representations of slavery in popular culture.

## HIST3140

### PEOPLING OF CANADA & NORTH AMERICA

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST322.

This course presents an expanded vision of the history of Canada and North America. It traces the adaptations and interactions of cultures from the arrival of First Peoples over 12,000 years ago through the period of large-scale immigration during the modern industrial age.

## **HIST3142**

### **MODERN BRITAIN**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST330.

The history of Great Britain since the late eighteenth century, from leading industrial power to subsequent decline as a world power in this century.

## **HIST3150**

### **SOCIAL HISTORY OF LOUISBOURG**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST310 or HERT310

The social and cultural history of Cape Breton during the French regime. Seminar, includes a number of field trips.

## **HIST3201**

### **RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (TO 1600)**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for HIST353, PHIL353, or RELS353

Cross-listed with PHIL3201 and RELS3153 This course examines ideas about religious intolerance, toleration and liberty from antiquity to the sixteenth century. Students will read and discuss important texts. Historical, theological and philosophical perspectives will be introduced.

## **HIST3203**

### **RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY II (FROM 1600)**

**Credits: 3**

**Prerequisite:**

HIST3201

**Exclusions:**

Unavailable to students with credit for HIST355, PHIL355 or RELS355

Cross-listed with PHIL3203 and RELS3155 A continuation of HIST3201. The seventeenth century worked out ideas presented during the Reformation, while the enlightenment launched an all-out assault on bastions of intolerance. Modern approaches, theological and philosophical, along with contemporary declarations, e.g. United Nations and Vatican II, will also be read.

## **HIST4100**

### **20TH CENTURY CANADIAN POLITICS**

**Credits: 6**

**Prerequisite:**

12 credits at the 2000 or 3000 level.

**Exclusions:**

Unavailable to students with credit for HIST400

Throughout the twentieth century, two political parties - the Liberals and the Conservatives - dominated Canadian political life. At the federal level, for example, the Liberal party under Mackenzie King, Louis St. Laurent, Lester Pearson, Pierre Trudeau and Jean Chretien, was in power for the better part of the century. Periodically, however, these mainstream political parties, with their faith in liberalism, capitalism and parliamentary democracy, were challenged by other parties and movements that proposed different, sometimes radically different, visions of the ways in which Canadian society ought to be organized. This course is about those political challenges: why they emerged, what they stood for and how the political mainstream responded.

## **HIST4102**

### **MODERN AMERICAN CULTURE**

**Credits: 6**

**Prerequisite:**

12 credits at the 2000 or 3000 level.

**Exclusions:**

Unavailable to students with credit for HIST422

A study of the dynamic interaction of race, ethnicity, gender, and class in the urban, suburban, and regional contexts of American culture in the twentieth and twenty-first centuries. Seminar.

## **HIST4110**

### **WITCH-HUNTING & POPULAR CULTURE IN LATE MEDIEVAL & EARLY MODERN SCOTLAND**

**Credits: 6**

**Prerequisite:**

12 credits at the 2000 or 3000 level.

**Exclusions:**

Unavailable to students with credit for HIST430.

This course will examine the development and evolution of witch-hunting in Scotland from the sixteenth to the eighteenth centuries. Particular attention will be paid to the use of the phenomenon as a resource for the study of popular cultures, conceptions and constructions of gender and the political and religious turmoil of the period.

## **HIST4112**

### **THE DAYS OF SAIL IN ATLANTIC CANADA, 1800-1930**

**Credits: 6**

**Prerequisite:**

12 credits at the 2000 or 3000 level.

**Exclusions:**

Unavailable to students with credit for HIST412.

The four Atlantic provinces are intimately bound to the Western ocean. It defined countless coastal communities. By the 1870's the Maritimes had the fourth largest merchant marine in the world. Sailors, master mariners and shipbuilders from these communities acquired a global reputation during this period. This course will examine the social, cultural and economic aspects of the rise and fall of sail in Atlantic Canada.

## **HIST4120**

### **WOMEN'S HISTORY: THE BRITISH NORTH AMERICAN EXPERIENCE 1850-1950**

**Credits: 6**

**Prerequisite:**

12 credits at the 2000 or 3000 level.

**Exclusions:**

Unavailable to students with credit for HIST462.

Studies the evolution of women's roles in Britain and Canada during the nineteenth century and the early years of the twentieth century. Takes a chronological approach to the study of social, political, and economic obstacles which women had to overcome to attain equality in British and Canadian society, including Cape Breton society.

## **HIST4122**

### **THE GREAT WAR & WESTERN CIVILIZATION**

**Credits: 6**

**Prerequisite:**

12 credits at the 2000 or 3000 level.

**Exclusions:**

Unavailable to students with credit for HIST452

A seminar examining the enormous impact of WWI on Western civilization, from its background and causes, through its major events and results, to the outbreak of WWII in 1939.

## **HIST4800**

### **DIRECTED STUDY IN HISTORY**

**Credits: 6**



This option is available to all History majors. Students will work under the close supervision of one faculty member and they will complete a course of readings together with at least one major research essay. They may also be required to complete shorter written assignments and or exams.

## **HIST4900**

### **HONOURS THESIS IN HISTORY**

**Credits: 6**

This option is available to History majors who have a minimum average of 75% in History and it is specifically designed for those students who are planning to continue their study of History on the graduate level. Students will work under the supervision of at least one faculty member in History and they will complete a thesis during the second term. At the discretion of their advisor(s), students may also be required to complete other shorter assignments.

## **HUMA1101**

### **INTRODUCTION TO CULTURE & CIVILIZATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HUMA101 or HIST100/1100.

Explores, in an interdisciplinary, historical and thematic fashion, the development of human culture and civilization in Europe and the Middle East, from pre-historical through ancient Greek and Roman periods.

## **HUMA1104**

### **INTRODUCTION TO WORLD RELIGIONS - EASTERN TRADITIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for HUMA115, HIST115, RELS115, or RELS 110.

Cross-listed with HIST1115 and RELS1115 The history, practice, and meaning of the Hindu and Buddhist traditions will be examined along with Jainism and Sikhism. Their contribution to our understanding of religion as a whole and present day role of these traditions in world events will be discussed.

## **HUMA1105**

### **INTRODUCTION TO WORLD RELIGIONS - WESTERN TRADITIONS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for HUMA117, HIST117, RELS117, or RELS 110.

Cross-listed with HIST1117 and RELS1117 Judaism, Christianity, and Islam are three great world religions that have influenced present day Western society. This course will examine the origins, major historical developments, cultural influence and teachings of these world religions. There will also be an emphasis on the role these religions play in current world events and politics.

## **HUMA1106**

### **CULTURE & CIVILIZATION IN WESTERN SOCIETY**

## **Credits: 3**

### **Prerequisite:**

HUMA1101.

### **Exclusions:**

Unavailable to students with credit for HUMA103 or HIST 100/1100.

Continues 1101 to include a study of the main themes of Western culture from the Middle Ages to the present.

## **HUMA1107**

### **WOMEN IN CIVILIZATION**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for HUMA111.

An introduction to some of the social, economic, and cultural issues which confronted women, from the Middle Ages through to the Industrial Revolution.

## **HUMA3401**

### **TRADITION AND CULTURE**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for FOLK107, HERT107, or HUMA107

Cross-listed with FOLK3401. Following an interdisciplinary study of selected themes in western culture, the student is introduced to a range of significant texts from the disciplinary areas of Folklore and related subjects

## **ITEC1501**

### **INTRODUCTION TO PROGRAMMING (C++)**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC110.

A study of current programming languages and techniques and their use in practical applications. Emphasis will be placed on the development of a high degree of proficiency in C++. This course stresses basic C++ concepts including data types, conditional and looping mechanisms, functions, arrays, structures, pointers, bit handling, and file I/O. The rudiments of C++ are introduced, particularly class construction. This course assumes some programming background.

## **ITEC1503**

### **INTRODUCTION TO OPERATING SYSTEMS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC112.

This course follows a systematic approach to operating systems explaining why they are needed and what they do. Topics include the basic system resources of hardware, software and data, single-user and multi-user operating systems, job control languages and the use and maintenance of file systems.

## **ITEC1504**

### **INFORMATION SYSTEMS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC114.

Introduces computers and the role they play in business, industry and society. Topics include basic components of computer systems and how these function in an information processing environment. Hands-on labs cover operating systems, word processing, windows applications and problem-solving

## **ITEC1505**

### **PC HARDWARE FUNDAMENTALS**

**Credits: 3**

**Prerequisite:**

ITEC1503 and ITEC1504.

**Exclusions:**

Unavailable to students with credit for ITEC120.

This course prepares students to pass the hardware component of Computer Technology Industry Association's (CompTIA) vendor-neutral A+ certification exam. Topics include an overview on how computers integrate hardware and software components, the system board, managing memory, hard drives, troubleshooting fundamentals, supporting I/O devices, multimedia technology, electricity and power supplies

## **ITEC1506**

### **INTRODUCTION TO NETWORK MANAGEMENT**

**Credits: 3**

**Prerequisite:**

ITEC1503 and ITEC1504 or permission of instructor

**Exclusions:**

Unavailable to students with credit for ITEC122.

This course, along with ITEC2504 (Advanced Network Management), introduces networking technologies and prepares students to pass the Computer Technology Industry Association's (CompTIA) vendor-neutral Network+ certification exam. Topics covered include networking standards, the OSI model, network protocols, networking media and presentations as appropriate.

## **ITEC1507**

### **INTERNET FUNDAMENTALS**

**Credits: 3**

**Prerequisite:**

ITEC1504.

**Exclusions:**

Unavailable to students with credit for ITEC124.

Introduces the fundamentals of Internet concepts, principles, and services. Topics covered include FTP, Telnet, efficient Web searching, Internet infrastructure, HTML and introductory web design.

**ITEC2501****SYSTEMS ANALYSIS & DESIGN****Credits: 3****Prerequisite:**

ITEC1504.

**Exclusions:**

Unavailable to students with credit for ITEC210.

The analysis and design of commercial information processing systems. Classical documentation tools and techniques are utilized for information gathering and system development.

**ITEC2503****ADVANCED PROGRAMMING****Credits: 3****Prerequisite:**

ITEC1501.

**Exclusions:**

Unavailable to students with credit for ITEC220

A study of current, fourth-generation programming languages and their techniques and use in practical applications. Emphasis will be placed on the development of a high degree of proficiency using advanced programming tools.

**ITEC2504****ADVANCED NETWORK MANAGEMENT****Credits: 3****Prerequisite:**

ITEC1506 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for ITEC222.

The goal of this course, along with ITEC1506 (Introduction to Network Management), is to provide an introduction to networking technologies and to prepare students to pass the Computer Technology Industry Association's (CompTIA) vendor-neutral Network+ certification exam. Topics covered include networking hardware, WANs, NOS, NetWare, Windows NT, TCP/IP, and troubleshooting, maintaining, and upgrading a network. Emphasis is on lectures, complemented with labs and student presentations as appropriate.

## **ITEC2505**

### **DATABASE DEVELOPMENT**

**Credits: 3**

**Prerequisite:**

ITEC1501 and ITEC1504.

**Exclusions:**

Unavailable to students with credit for ITEC224.

An understanding of the general concepts of database management systems. Topics include an in-depth discussion of data modeling and relational database theory. Labs involve practical experience in designing and building a database.

## **ITEC2506**

### **APPLIED ASSISTIVE TECHNOLOGY**

**Credits: 3**

**Prerequisite:**

ITEC1504, MGSC2101 or instructor approval.

**Exclusions:**

Unavailable to students with credit for ITEC226.

This course focuses on the use of computer-based assistive technology resources, emphasizing the practical application of AT in classroom, workplace, and home environments. Hands-on lab activities, case analysis and Web-based instructional support, demonstrate how AT can act as an equalizer. The target audience for this course includes teachers, employers, users of AT and their families, and individuals involved with the support of persons with disabilities. In addition to new learning, course assignments will allow students to demonstrate previous experience and knowledge of assistive technology.

## **ITEC3503**

### **VISUAL BASIC**

**Credits: 3**

**Prerequisite:**

ITEC1501 and ITEC1504.

**Exclusions:**

Unavailable to students with credit for ITEC310.

This course introduces programming in Visual Basic, the popular Windows application development environment. Students will learn how to create object-oriented graphical user interfaces by using object linking and embedding, dynamic data interchange, and visual basic forms, events, properties and controls.

## **ITEC3504**

### **SYSTEM SECURITY & CONTROL**

**Credits: 3**

**Prerequisite:**

ITEC1504, ITEC1507, ITEC2501, and ITEC2505.

**Exclusions:**

Unavailable to students with credit for ITEC316.

This course provides a systematic approach to computer and information security. It covers methods for auditing computer systems, cost and effectiveness of systems control measures, and fundamentals of implementing a system security program. The development of a Threat and Risk Assessment (TRA) and the review of control objectives for systems are key aspects.

## **ITEC3505**

### **MID-RANGE OPERATING SYSTEMS**

**Credits: 3**

**Prerequisite:**

ITEC1503 and ITEC1504 or permission of instructor

**Exclusions:**

Unavailable to students with credit for ITEC318.

This course will provide hands-on experience with mid-range operating systems. The core of a mid-range operating system, utilities, multi-user log-on management, system configuration, and file systems will be covered in depth.

## **ITEC3506**

### **IT PROJECT MANAGEMENT**

**Credits: 3**

**Prerequisite:**

ITEC2501.

**Exclusions:**

Unavailable to students with credit for ITEC320.

Learners will investigate project management and its significance in the success of information technology projects. Topics covered include project selection methods, work breakdown structures, network diagrams, critical path analysis, cost estimates, earned value analysis, motivation theory, team building, and CASE tools. Project management tools will be used to plan and manage an information systems project in a team setting.

## **ITEC3507**

### **OBJECT ORIENTED PROGRAMMING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC322 or ITEC421.

Introduces the JAVA programming language. Topics include GUI interface development, object oriented programming concepts, database access, platform independence, web integration, and stand alone applications.

## **ITEC3508**

### **WINDOWS SERVER TECHNOLOGIES**

**Credits: 3**

**Prerequisite:**

ITEC1503 and ITEC114, or approval of the Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC324.



This course provides a comprehensive investigation of the Windows network operating system (currently Windows 2000). Topics covered include installation, configuration, managing accounts, client connectivity, managing groups, managing printers, remote access, virtual private networks, optimization, and troubleshooting.

## **ITEC3509**

### **TECHNICAL WRITING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC326.

This course deals with technical documentation concepts specific to the information technology sector. Topics covered include systems and end user documentation, help and readme files, writing for the Web, screen design considerations, indexing, and markup language concepts. Students will critique government and industry documentation standards, investigate the use of current multimedia technologies for IT documentation purposes and develop a career portfolio.

## **ITEC3511**

### **BUSINESS STRATEGIES IN IT**

**Credits: 3**

**Prerequisite:**

ITEC1504 or approval of the Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC328.

This course addresses the use of information technology (IT) to improve business strategies and performance, including IT as an enabler of organizational change, the management of business knowledge, applications systems architecture, and business processes. Case studies and projects reinforce this desired business-technology alignment theme.

## **ITEC4501**

### **INTERMEDIATE TECHNICAL WRITING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC 337, ITEC411, BUSS262 or ENGL207.

Cross-listed with ENGL1113 This course focuses on intermediate technical writing skills (reports, proposals, instructions).

## **ITEC4503**

### **INTERNET ADMINISTRATION**

**Credits: 3**

**Prerequisite:**

ITEC1505, ITEC1507 and ITEC2504 or approval of the Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC412.

This course surveys the key technologies that make the Internet work. Topics covered include programming on the Internet, databases and web hosting, Internet security, FTP server, Internet clients, HTML, and authoring tools. This course prepares students to take the Computer Technology and Industry Association's (CompTIA) vendor-neutral i-Net+ certification.

## **ITEC4504**

### **ADVANCED TCP/IP**

**Credits: 3**

**Prerequisite:**

ITEC1507, ITEC2504, and ITEC3508 or approval of the Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC414.

This course provides a comprehensive look at TCP/IP as used on the current Windows NOS platform. Topics covered include IP addressing, data link and network layer protocols, ICMP, DNS, DHCP, IPv6, securing TCP/IP and SMTP.

## **ITEC4505**

### **E-COMMERCE TECHNOLOGIES**

**Credits: 3**

**Prerequisite:**

ITEC2503 and ITEC3503 or approval of the instructor

**Exclusions:**

Unavailable to students with credit for ITEC416 or ITEC444.

This course provides the learner with an overview of the state of e-commerce today. It defines electronic commerce and discusses electronic commerce elements. Also addressed are issues and technologies available for companies wishing to engage in e-commerce. Student will be required to build a basic e-commerce system.

## **ITEC4506**

### **DATA WAREHOUSING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC418 or ITEC442.

Course focuses on the design and development of data warehouses and on-line transaction processing (OLTP, EIS, DSS) using a combination of relational and object oriented databases.

## **ITEC4507**

### **SOFTWARE ENGINEERING TOOLS**

**Credits: 3**

**Prerequisite:**

ITEC2503 and ITEC2501 or approval of Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC422.

This course will deal with various systematic approaches to the development and support of software. Topics covered include cleanroom software engineering, component-based software engineering, client-server, Web-engineering, CASE and object-oriented software engineering.

## **ITEC4508**

### **WAN TECHNOLOGIES (INTERNETWORKING)**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC424 or ITEC396.

This course deals with the interconnectivity and data sharing issues associated with a heterogeneous (multi-platform, multi-vendor) network environment.

## **ITEC4509**

### **CURRENT ISSUES IN IT - CASE ANALYSIS**

**Credits: 3**

**Prerequisite:**

Completion of ITEC diploma or advanced standing in BTI or approval of Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC425 or ITEC312.

This course examines the social, legal and ethical issues involved with the use of computer technologies. Topics covered include privacy of information, wiretapping, data encryption, computer crime, intellectual property and professional ethics. This course emphasizes class discussions, case studies, guest lectures and student research presentations.

## **ITEC4511**

### **SYSTEMS IMPLEMENTATION PROJECT**

**Credits: 3**

**Prerequisite:**

ITEC3506 and at least one advanced level programming course with ITEC3509 as either a prerequisite or co-requisite or approval of Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC426 or ITEC437.

Working as team members on an IT related project, students apply skills acquired in previous IT courses. The instructor adopts the role of IT manager as the student project groups assume responsibility for all aspects of project completion. Project teams are expected to work outside scheduled classroom hours to ensure that client project requirements are met.

## **ITEC4513**

### **SERVER TECHNOLOGIES**

**Credits: 3**

**Prerequisite:**

ITEC1505 and ITEC4507, or approval of the Department Chair.

**Exclusions:**

Unavailable to students with credit for ITEC427.

This advanced hardware course provides coverage of the key features and technologies involved with PC server administration and the hardware components of high-end PC servers. Topics covered include server planning, server power and rack installation, hard disk interfaces and RAID, server upgrades, disaster planning, performance monitoring, and troubleshooting. This course prepares students to take the Computer Technology and Industry Association's (CompTIA) vendor-neutral Server+ certification.

## **ITEC4514**

### **TECHNICAL ENTREPRENEURSHIP**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC428 or ITEC311.

Course focuses on the nature of entrepreneurship in the context of specialized technology firms.

## **ITEC4515**

### **INFORMATION TECHNOLOGY DOCUMENTATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ITEC415.

This course deals with technical documentation concepts specific to the information technology sector. Topics covered include systems and end user documentation, help and readme files, writing for the Web, screen design considerations, indexing and markup language concepts. Students will investigate the use of current multimedia technologies for IT documentation purposes, develop a career portfolio and produce a group preliminary project design report.

## **LEGL2501**

### **BUSINESS LAW I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS251.

Business Law I introduces the student to the justice system, tort law and contract law. The course

content includes an introductory study of specific areas of contract law including agency, property, employment, marketing, business organizations and financing.

## **LEGL2503**

### **BUSINESS LAW II**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS252.

Business Law II involves a more extensive study of specific legal issues relating to patents, copyrights, trademarks, industrial designs, confidential information, computer security, privacy, access to information, PIPEDA requirements, competition and lobbying.

## **LEGL3501**

### **LEGAL RESEARCH**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for LEGL351

This course will develop the skills required for performing legal research. The course includes instruction in finding appropriate legislation, determining its effect on a given situation in light of the Constitution Act and the Charter of Rights and Freedoms. The course builds an understanding of the court hierarchy and the theory of precedent by application of the relevant court decisions on factual situations. Evaluation includes examination and exercises that increase in difficulty requiring the student to develop researching skills. The course requires students to become familiar with computer-assisted research.

## **LEGL3503**

### **ADMINISTRATIVE LAW**

**Credits: 3**

**Prerequisite:**

LEGL3501 and LEGL2501, or permission of instructor.

**Exclusions:**

Unavailable to students with credit for LEGL353.

To acquaint the student with the administrative tribunal process involved in approval/licensing/arbitration issues involved in business operations. Evaluation may consist of examinations, report papers, and mock

hearings.

## **LEGL3504**

### **EMPLOYMENT/LABOUR LAW**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for LEGL397.

The course acquaints the student with the law that affects the relationship between employees and employers in unionized and non-unionized workplaces. The course content includes a review of the legal issues associated with the hiring process, issues during the course of employment and issues at the termination of the employment relationship.

## **LEGL3505**

### **CRIMINAL LAW**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for LEGL352.

To acquaint the student with the criminal law and quasi-criminal law system in Canada, with a special emphasis on crime and business. The course content will include areas such as money laundering, insider trading, criminal negligence, and managers' and directors' liabilities. Evaluation is by examination and report papers.

## **LEGL4501**

### **HEALTH LAW**

**Credits: 3**

**Prerequisite:**

Unavailable to students with credit for LEGL471.

The study of the civil and criminal liability associated with offering health care services. The concentration is on the legislation and common law affecting health care. The course is presented in a seminar format. Some of the areas covered include consent, medical negligence, evidential issues, nursing liability, and confidentiality. Evaluation is by examination and report papers.

## **LEGL4503**

## **SPORTS/RECREATION LAW**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for LEGL481.

A review of the case law and legislation affecting recreational sporting activities. The course includes an overview of the issues of liability. The course is presented in seminar format. Evaluation is by examination and report papers.

## **MANF3131**

### **TOTAL QUALITY MANAGEMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MANF411.

The course will prepare the student for working in competitive manufacturing/economic environments in which the operation and final product must consistently meet the needs and expectations of customers. Topics include rationale for total quality concepts, leadership, management teams, employee involvement/empowerment, team building, influence of Juran and Deming and the process for continuous improvement. The role of ISO 9000 in TQM, including scope of standards, benefits of implementation, documentation of ISO audits, and procedures for implementing ISO certification, is covered in detail.

## **MANF3133**

### **STATISTICAL PROCESS CONTROL**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MANF413.

The course will examine the statistical methods used to identify, analyze and control the variations found in any manufacturing process. Key topics include identification of process variations, charting, histograms and analytical methods of analyzing control charts. Several case studies utilizing in-depth applications of SPC in an industrial/manufacturing environment will be examined.

## **MANF3134**

### **PROCESSES & STANDARDS**

**Credits: 3**



**Exclusions:**

Unavailable to students with credit for MANF415.

This course will introduce the student to the most important technical principles of manufacturing processes including casting, forging, rolling, drawing, extrusion, forming, joining and finishing processes. Includes application of codes and national and international standards.

**MANF3135****PRODUCTION COST CONTROL****Credits: 3****Exclusions:**

Unavailable to students with credit for MANF417

Production cost control in an ever-increasing technological environment has become the leading determinant of organizational viability. This course will look at costing for manufacturing environments, including break even analysis, forecasting, job scheduling, labour costs, work measurement, material and inventory cost, MRP, and SAP inventory control. The decisions affecting the manufacturing process can be based upon the complete integration of engineering input, raw materials, processing costs and inventory

**MANF3136****COMPETITIVE MANUFACTURING STUDIES****Credits: 3****Exclusions:**

Unavailable to students with credit for MANF419

This course covers many areas of manufacturing, with a view to increasing awareness of improved production for less cost, at a higher quality thereby becoming more competitive. Discussion on philosophies and manufacturing strategies, Japanese production methods, factory layout techniques and tools for competitive study. It is assumed that the student has a working knowledge of manufacturing production terms and methods (MANF 417 Production Cost Control).

**MANF3137****PEOPLE IN MANUFACTURING****Credits: 3****Exclusions:**

Unavailable to students with credit for MANF421.

This course focuses on people involved in manufacturing processes with an emphasis on team work, ergonomics, programs, and total quality initiatives. Case studies and investigation into company practices form the majority of course work.

## **MANF3138**

### **PRODUCT SYNTHESIS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MANF423.

Covers the process whereby an idea or design is converted into a successful new product. Production methodology, design for manufacture, process planning, prototyping, and tooling implementation are discussed. How ideas are marketed, implemented, and exploited are discussed

## **MATH0101**

### **PRECALCULUS REVIEW**

**Credits: 0.06**

A thorough review of topics from algebra, functions, geometry (plane, analytic, and coordinate), and trigonometry essential for the study of calculus. MATH0101 is a sufficient prerequisite for MATH1101 or MATH1105.

## **MATH1101**

### **CALCULUS WITH ELEMENTARY FUNCTIONS & ANALYTIC GEOMETRY I**

**Credits: 3**

**Prerequisite:**

One of: (1) MATH0100 (Bridge Program); (2) MATH0101; (3) MATH1107; (4) Grade 12 Academic Precalculus Mathematics. In the case of (4), the student must also have written the Calculus Readiness Test and achieved a satisfactory standard (currently 12 out of 31).

**Exclusions:**

Unavailable to students with credit for MATH111. Credit cannot be obtained for both MATH1101 and MATH1105; no more than 3 credits from MATH1101, MATH1203, and MATH1105 in a BSc in Mathematics.

**Note:**

MATH1101 is allowed credit as a free elective in any discipline where it can be used for credit.

Properties of straight lines and conic sections, polynomial and rational functions, and derivatives of algebraic functions with applications.

## **MATH1105**

### **DIFFERENTIAL & INTEGRAL CALCULUS I**

**Credits: 3**

**Prerequisite:**

One of: (1) MATH0100 (Bridge Program); (2) MATH0101; (3) MATH1107 and MATH1208; (4) MATH1101; (5) Grade 12 Pre-calculus Mathematics. In the case of (5), the student must also have written the Calculus Readiness Test and achieved a satisfactory standard (currently 19 out of 31).

**Exclusions:**

Unavailable to students with credit for MATH121. Credit cannot be obtained for both MATH1203 and MATH1105.

Limits and continuity, differentiation of algebraic, trigonometric, logarithmic and exponential functions, applications, and Fundamental Theorem of Calculus

## **MATH1107**

### **MATHEMATICS I**

**Credits: 3**

**Prerequisite:**

Grade 12 Academic Mathematics.

**Exclusions:**

Unavailable to students with credit for MATH131.

**Note:**

Caution: Credit for MATH1107, MATH1208, MATH2104 and MATH2205 in degree programs is limited to those BET programs where they are explicitly listed and to satisfying the Group 5 requirement within the core of the BA, and as specified under CBU's "Internal Transfer Credits".

Fundamental concepts and operations of mathematics including functions and graphs, quadratic equations, trigonometric functions and solutions to triangles and systems of equations

## **MATH1109**

### **INTRODUCTORY STATISTICS I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MATH135. Credit for MATH1109 or MATH135 rules out credit for MGSC1108 or BUSS182. Credit cannot be obtained for both MATH1109 or MATH135 and MATH 2106 or MATH243.

Descriptive statistics, elementary probability, binomial and normal distributions, sampling distributions, estimation and hypothesis testing, regression, and correlation.

**MATH1114****EXPERIENCES IN MATHEMATICS II: MATHEMATICS OF PERSONAL FINANCE****Credits: 3****Prerequisite:**

Grade 11 Academic Mathematics

**Exclusions:**

Unavailable to students with credit for MATH152. Free elective only in the BSc. Not recommended for students with Grade 12 Pre-calculus or Advanced Mathematics. MATH1114 and MATH1215 are independent and can be taken in either order. Arts students with Grade 12 Pre-calculus or Advanced Mathematics should consult with advisors in Mathematics to select suitable alternatives to MATH1114 and MATH1215.

Topics in simple and compound interest for management of personal and family finances. Lab exercises on spreadsheet software. Course includes lab component

**MATH1116****INTRODUCTION TO COMPUTING WITH C++****Credits: 3****Prerequisite:**

Grade 12 Academic Mathematics

**Exclusions:**

Unavailable to students with credit for MATH187 or MATH185.

The computer as a problem solving device. The importance of structure in problem solving and programming is emphasized. Students are expected to write and run C++ programs, including branches, loops, arrays, functions, file processing, and basic classes. Course includes lab component.

**MATH1203****CALCULUS WITH ELEMENTARY FUNCTIONS & ANALYTIC GEOMETRY II**

## **Credits: 3**

### **Prerequisite:**

MATH1101 or a grade of at least 40 in MATH1105.

### **Exclusions:**

Unavailable to students with credit for MATH112. Credit cannot be obtained for both MATH1203 and MATH1105.

Properties of trigonometric functions, exponential and logarithmic functions and their derivatives.  
Introduction to integration including approximate integration and polar coordinates

## **MATH1204**

### **INTRODUCTION TO MATRIX ALGEBRA**

## **Credits: 3**

### **Prerequisite:**

MATH1203 or MATH1105 at least concurrently or permission of the instructor.

### **Exclusions:**

: Unavailable to students with credit for MATH115.

The computational aspects of vectors, matrices, and systems of linear equations and linear transformations, as well as some elements of the theory of vector spaces essential for later applications.

## **MATH1206**

### **DIFFERENTIAL & INTEGRAL CALCULUS II**

## **Credits: 3**

### **Prerequisite:**

MATH1203 or MATH1105.

### **Exclusions:**

Unavailable to students with credit for MATH122.

Techniques of integration, application to areas, volumes, work, liquid pressure and arc length, inverse trigonometric, hyperbolic functions, infinite sequences and series, and Taylor's Theorem.

## **MATH1208**

### **MATHEMATICS II**

**Credits: 3**

**Prerequisite:**

MATH1107.

**Exclusions:**

Unavailable to students with credit for MATH132.

Complex numbers, exponential and logarithmic functions, trigonometric identities, plane analytical geometry, introduction to limits and differentiation.

## **MATH1211**

### **INTRODUCTORY STATISTICS II**

**Credits: 3**

**Prerequisite:**

MATH1109.

**Exclusions:**

Unavailable to students with credit for MATH136.

Continues the study of inferential statistics and includes library assignments and a practical project in data gathering.

## **MATH1215**

### **EXPERIENCES IN MATHEMATICS I: DESCRIPTIVE & BASIC INFERENTIAL STATISTICS**

**Credits: 3**

**Prerequisite:**

Grade 11 Academic Mathematics

**Exclusions:**

Unavailable to students with credit for MATH153. Not a credit course in the BSc. Credit cannot be obtained for both MATH1109 or MATH135 and MATH1215 or MATH153. Credit for MATH1215 or MATH153 rules out credit for PSYC2101 or PSYC201. Not recommended for students with Grade 12 Pre-calculus or Advanced Mathematics. Credit cannot be obtained for both MATH1215 or MATH153 and MATH151.

An introduction to descriptive and basic inferential statistics, emphasizing the binomial and normal distributions. Lab exercises on word processing and the Internet. Course includes lab component.

## MATH1216

### EXPERIENCES IN MATHEMATICS: FUNDAMENTALS

**Credits: 3**

**Prerequisite:**

Grade12 Academic Mathematics.

**Exclusions:**

Unavailable to students with credit for MATH157. Credit cannot be obtained for both MATH1216 or MATH157 and MATH2101 or MATH205

This course explores a number of the fundamental ideas of mathematics from an elementary viewpoint. Topics include sets, functions, symbolic logic, number systems, number theory, algebraic operations, and combinatorics. Problem solving will be emphasized throughout

## MATH1217

### INTRODUCTION TO COMPUTER APPLICATIONS

**Credits: 3**

**Prerequisite:**

MATH1116.

**Exclusions:**

Unavailable to students with credit for MATH189 or MATH186.

Introduces additional topics in C++ emphasizing object-based and object-oriented programming concepts. Includes strings, pointers, and dynamic data structures. Course includes lab component.

## MATH2101

### DISCRETE MATHEMATICS

**Credits: 3**

**Prerequisite:**

Grade 12 Pre-Calculus Mathematics or successful completion of at least one semester of university mathematics other than programming.

**Exclusions:**

Unavailable to students with credit for MATH205, MATH105, MATH1216 or MATH157.

Significant ideas of discrete mathematics: Logic, proof, set theory, and induction, with applications to combinatorics, graph theory and analysis. This course includes a lab component

## **MATH2103**

### **LINEAR ALGEBRA**

**Credits: 3**

**Prerequisite:**

MATH1204.

**Exclusions:**

Unavailable to students with credit for MATH226.

An introduction to abstract vector spaces, building on the concrete examples of MATH1204. Includes diagonalization, inner products, and Jordan Normal Form.

## **MATH2104**

### **MATHEMATICS III**

**Credits: 3**

**Prerequisite:**

MATH1208.

**Exclusions:**

Unavailable to students with credit for MATH233.

Applications of the derivative, Newton's Method, curvilinear motion, maximum and minimum problems, derivatives of sine and cosine functions and introduction to integration

## **MATH2106**

### **ELEMENTARY MATHEMATICAL STATISTICS I**

**Credits: 3**

**Prerequisite:**

MATH1203 or MATH1105.

**Exclusions:**



Unavailable to students with credit for MATH243. Credit cannot be obtained for both MATH2106 or MATH243 and MATH1109 or MATH135. Satisfies half of the research methods requirement in BSc, Mathematics.

An introduction to mathematical statistics for students in science including probability, discrete and continuous distributions, correlations, covariance, sampling distributions, and estimation

## **MATH2109**

### **MULTIVARIATE CALCULUS**

**Credits: 3**

**Prerequisite:**

MATH1206.

**Exclusions:**

Unavailable to students with credit for MATH262.

Parametrically defined curves and polar co-ordinates. Functions of several variables. Limits, continuity, and differentiability, chain rule, extrema of multivariate functions, lagrange multipliers, cylindrical and polar co-ordinates, multiple integrals, application to volume, surface area, moments, and gravitation, vector fields and space curves, gradient, divergence, and curl, line integrals and independence of path and Green's theorem.

## **MATH2113**

### **MATHEMATICS FOR CHEMISTRY I**

**Credits: 3**

**Prerequisite:**

MATH1105 or equivalent and 9 credits in Chemistry.

**Exclusions:**

Unavailable to students with credit for MATH251 or CHEM301.

Cross-listed with CHEM3201 Topics covered will include the application of ordinary differential equations, vector algebra, matrices, determinants, and operators to such areas of chemistry as point group theory, modern molecular orbital theory, factor analysis and eigenvalue problems. Course includes lab component. Normally offered every other year.

## **MATH2205**

### **MATHEMATICS IV**

**Credits: 3**

**Prerequisite:**

MATH2104.

**Exclusions:**

Unavailable to students with credit for MATH234

Differentiation of transcendental functions and applications, areas and volumes by integration, methods of integration, and introduction to differential equations.

## **MATH2207**

### **MATHEMATICAL STATISTICS II**

**Credits: 3****Prerequisite:**

MATH2106

**Exclusions:**

Unavailable to students with credit for MATH 244. Credit cannot be obtained for both MATH2207 or MATH244 and MATH1211 or MATH136

A continuation of inferential statistics to include central limit theorem, regression and correlation, maximum likelihood principle, ANOVA, and non-parametric tests.

## **MATH2208**

### **DIFFERENTIAL EQUATIONS I**

**Credits: 3****Prerequisite:**

MATH1206.

**Exclusions:**

Unavailable to students with credit for MATH257.

Introduction to differential equations, methods for solving first order equations, second-order linear equations, equations having constant coefficients, applications of first- and second-order equations including circuits, mixing and cooling problems, exponential growth, and decay. Also, the Laplace transform and its application to constant coefficient equations, convolution and the gamma function, introduction to Fourier series, full- and half-wave expansions, Fourier series on general intervals, spectral analysis and the complex form of the Fourier series.

## **MATH2211**

## SYSTEM ANALYSIS

**Credits: 3**

**Prerequisite:**

One 3-credit programming course, preferably MATH1217.

**Exclusions:**

Unavailable to students with credit for MATH271.

Study of the software design process ranging from an ill-defined problem through to specifications. Functional decomposition and data dictionaries, Top-down structured, data driven and object-oriented analysis techniques. Laboratory and assignment work will address the analysis of complex systems using different techniques.

## MATH2214

### MATHEMATICS FOR CHEMISTRY II

**Credits: 3**

**Prerequisite:**

MATH1105 or equivalent and 9 credits in Chemistry, and an introductory course in computing applications.

**Exclusions:**

Unavailable to students with credit for MATH252 or CHEM302.

Crosslisted with CHEM3203. An overview of modern computer applications in Chemistry. Topics will include use of software packages for molecular modeling, solution of simultaneous linear equations, linear and nonlinear least squares regression on systems with two and three parameters and interpolation of experimental data. Course includes lab component. Normally offered every other year.

## MATH3104

### SET THEORY

**Credits: 3**

**Prerequisite:**

MATH2101 and MATH2103, or permission of instructor.

**Exclusions:**

Unavailable to students with credit for MATH305.

A study of elementary ideas of sets, axiom systems and the Continuum hypothesis introduction to independence. (Normally offered in alternate years.)

## **MATH3105**

### **NUMERICAL ANALYSIS**

**Credits: 3**

**Prerequisite:**

MATH1204, MATH1116, MATH1206.

**Exclusions:**

Credit cannot be obtained for MATH 3105 and MATH 2214/CHEM 3203. Unavailable to students with credit for MATH307.

This course provides an introduction to numerical techniques for solving practical problems and a piece of numerical software package such as MATLAB or MAPLE. Topics will generally include: Taylor series expansions, numerical differentiation and integration, approximation and errors, roots of non-linear equations, numerical solution of linear and nonlinear system and numerical solution of ordinary differential equations.

## **MATH3106**

### **PHYSICAL APPLICATIONS OF MATH**

**Credits: 3**

**Prerequisite:**

MATH2109.

**Exclusions:**

Unavailable to students with credit for MATH321

Vector algebra and calculus are used to describe, analyze and discuss selected topics in physical science. Offered as required.

## **MATH3108**

### **LINEAR OPTIMIZATION**

**Credits: 3**

**Prerequisite:**

MATH1204, MATH2103 is recommended.

**Exclusions:**

Unavailable to students with credit for MATH331

Optimization is a key factor in the solution of a variety of problems in science, engineering and business. This course will cover theory and applications of linear programming in production and diet problems, explain the computation and geometric theory of the simplex method and present duality theory in simple fashion. Normally offered in alternate years.

## **MATH3109**

### **INTRODUCTION TO COMPLEX ANALYSIS**

**Credits: 3**

**Prerequisite:**

MATH and MATH2109. MATH2101

**Exclusions:**

Unavailable to students with credit for MATH363.

An introduction to complex numbers, definition of the complex exponential function, analyticity and its consequences, representations of complex functions and singularities. Complex integration, residue theorem and principle of the argument will be studied. (Normally offered in alternate years.)

## **MATH3113**

### **INTRODUCTION TO REAL ANALYSIS**

**Credits: 3**

**Prerequisite:**

MATH and MATH2101 and MATH1206

**Exclusions:**

Unavailable to students with credit for MATH361.

An introduction to the structure of the real number system and fundamental properties of real functions, including the Riemann integral and sequences of functions. (Normally offered in alternate years.)

## **MATH3205**

### **COMBINATORICS**

## **Credits: 3**

### **Prerequisite:**

MATH2101.

### **Exclusions:**

Unavailable to students with credit for MATH315.

A brief overview of enumerative combinatorics. Sampling of combinatorial problems from computer science, graph theory, statistics and counting labeled and unlabeled structures. Normally offered in alternate years.

## **MATH3207**

### **INTRODUCTION TO NUMBER THEORY**

## **Credits: 3**

### **Prerequisite:**

MATH2101 or permission of instructor.

### **Exclusions:**

Unavailable to students with credit for MATH325

Divisibility properties of integers, prime numbers and congruences. Number theoretic functions, quadratic congruences, continued fractions, arithmetic in other bases, cryptology, error correcting codes will be covered.

## **MATH3209**

### **PROBABILITY & MATHEMATICAL STATISTICS**

## **Credits: 3**

### **Prerequisite:**

MATH2106 and MATH2207 and/or permission of instructor

### **Exclusions:**

Unavailable to students with credit for MATH343.

Classical models, conditional and marginal probabilities and expectations, functions of random variables, limit theorems, Markov chains and sampling distribution. Offered as required.

## **MATH3211**

## **DIFFERENTIAL EQUATIONS II**

**Credits: 3**

**Prerequisite:**

MATH1204, MATH2208, MATH2109 and MATH2103 are recommended.

**Exclusions:**

Unavailable to students with credit for MATH357.

This course is a continuation of MATH2208. Fundamental solutions of linear differential equations. Existence and uniqueness of solutions Abel's identity, linear independence and Wronskians, special functions defined by linear equations including an introduction to hypergeometric functions, linear and nonlinear systems of equations, analysis of stability of critical points, Picard iteration and introduction to Lyapunov functions. Normally offered annually.

## **MATH3214**

### **NON-LINEAR OPTIMIZATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MATH332

Non-linear programming provides excellent opportunity to explore an interesting variety of pure and applicable mathematics, numerical analysis and computing. This course will cover the mathematical foundations of optimization. Some of the ideas and techniques involved in optimization, using calculus, lead to study of convexity. Basic numerical methods, least squares, the Kuhn-Tucker theorem, penalty functions and Lagrange multipliers are also covered. Offered as required.

## **MATH3801**

### **DIRECTED STUDY IN MATHEMATICS**

**Credits: 3**

Directed study in Mathematics for third year students. See Department Chair for details

## **MATH3803**

### **DIRECTED STUDY IN MATHEMATICS**

**Credits: 3**

Directed study in Mathematics for third year students. See Department Chair for details

## **MATH4101**

### **GRAPH THEORY**

**Credits: 3**

**Prerequisite:**

MATH2101 and MATH1204 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for MATH415.

Isomorphism, operations on graphs and Ulam's reconstruction conjecture, walks, trees, distance, graph matrices, and Eulerian and Hamiltonian cycles, matchings, independent sets, graph factoring, colouring of vertices and edges, chromatic polynomials. Planarity, the Platonic solids and an outline of the four colour theorem are also studied.

## **MATH4103**

### **MODERN ALGEBRA I**

**Credits: 3**

**Prerequisite:**

MATH2103.

**Exclusions:**

Unavailable to students with credit for MATH421.

A study of groups and semi-groups, including permutation groups, Cayley's Theorem, the Isomorphism Theorems and Sylow Theorems. Offered as required.

## **MATH4105**

### **INTRODUCTION TO GENERAL TOPOLOGY**

**Credits: 3**

**Prerequisite:**

MATH2101 and MATH3113 or permission of instructor



**Exclusions:**

Unavailable to students with credit for MATH471.

Metric spaces, topologies and topological spaces, continuity and homeomorphism, separation axioms, compactness and variations thereon, cardinal invariants and applications to geometry and analysis. Offered as required.

**MATH4204****MODERN ALGEBRA II****Credits: 3****Prerequisite:**

MATH4103.

**Exclusions:**

Unavailable to students with credit for MATH422.

A study of rings and fields, including topics in module theory, solvability by radicals and the classical problems. Offered as required.

**MATH4205****PARTIAL DIFFERENTIAL EQUATIONS****Credits: 3****Prerequisite:**

MATH 2103,2109,3211 or special permission by the instructor.

**Exclusions:**

Unavailable to students with credit for MATH457.

This course serves as an introduction to the theory and techniques of partial differential equations that are relevant to mathematicians, scientists and engineers. Topics to be studied include the classical Partial Differential Equations of mathematical physics (Heat-Diffusion equation, Wave equation and Laplace's equation), the method separation of variables, Eigenvalue problems, Fourier series (in multiple dimensions), orthogonal sets of functions, orthogonal series expansions and Sturm-Liouville theory.

**MATH4208****NONLINEAR OPTIMIZATION****Credits: 3**

**Prerequisite:**

MATH2103 AND MATH2109

**Note:**

DEC 2014 EDIT - CHANGE PRE-REQS

This course covers the key concepts, models and solution approaches in local and global nonlinear optimization. Topics will include convex analysis, local optimality conditions and duality, steepest descent, conjugate gradient and quasi-Newton methods, Kuhn-Tucker theory and algorithmic methods such as reduced gradients, gradient projection, penalty and barrier methods.

**MATH4213****REAL ANALYSIS****Credits: 3****Prerequisite:**

MATH 3113

This course covers the significant ideas of advanced undergraduate analysis and its applications. Topics include: The Real and Complex number systems, metric spaces, compact sets in a metric space, the Riemann-Stieltjes integral, sequences and series of functions, equicontinuous families of functions, the Arzela-Ascoli theorem, the Stone-Weierstass theorem, and an introduction to Lebesgue integration theory.

**MATH4801****DIRECTED STUDY IN MATHEMATICS****Credits: 3**

Directed study in mathematics for fourth-year students. See Department Chair for details

**MATH4803****DIRECTED STUDY IN MATHEMATICS****Credits: 3**

Directed study in mathematics for fourth-year students. See Department Chair for details

**MATH4900**

## **HONOURS THESIS IN MATHEMATICS**

**Credits: 6**

**Prerequisite:**

Admission and forth-year standing in the BSc (Honours) Mathematics program.

This course includes the preparation of an original research proposal, completion of the proposed research project, analysis of the data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project. Consult the Department Chair for details.

## **MBAC5101**

### **BUSS & COMMUNITY DEVELOPMENT I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD500

Provides the theoretical and philosophical foundations of community economic development, identifying business as a way of achieving an enhanced quality of community life. Students are introduced to the language and concept of third sector structures such as community development corporations, worker-owned ventures, and similar initiatives.

## **MBAC5103**

### **FUND. OF ACCOUNTING, CED APPLICATIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD502

A combination of financial and managerial accounting themes designed particularly for those working in a CED environment. The course next focuses on accounting from a manager's decision-making point of view; that is, as a person interpreting rather than preparing these statements. Issues relating to cash flow management, budgeting and relevant costs will be discussed.

## **MBAC5104**

### **FUNDAMENTALS OF MARKETING, WITH CED APPLICATIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD504.

The purpose of this course is to present the marketing dimensions as they apply to community and social organizations. It deals with both the strategic and tactical approaches to influencing behaviour in a wide range of key target markets, such as customers, clients, funding sources, policy makers, volunteers, the media and the organization's own staff. The community venture will be examined through the basic concept of the marketing mix.

**MBAC5105****ORGANIZATIONAL BEHAVIOUR****Credits: 3****Exclusions:**

Unavailable to students with credit for MBAD505.

The course presents the history, theory, models and research in several topics in organization behaviour and organization design, including strategic human resource planning. Class discussions, exercises and cases will be used to reinforce concepts and improve skills required in managing and motivating people.

**MBAC5107****ECONOMIC GEOGRAPHY & DEVELOPMENT****Credits: 3****Exclusions:**

Unavailable to students with credit for MBAD612

Introduces students to the analytic tools that economic geographers use to measure and compare spatial variations in economic growth. The course describes the dominant economic mechanisms and processes of uneven development that produce global cities, peripheral regions, and regional economies. Students will employ this background to study the attributes of a depleted community and to assess its potential for economic recovery.

**MBAC6101****BUSINESS & COMMUNITY DEVELOPMENT II****Credits: 3****Prerequisite:**

MBAC5101.

**Exclusions:**

Unavailable to students with credit for MBAD600

This practical course will explore the relationship of business with the community and the challenges and issues surrounding community-based business institutions. This topic will be explored through the assigned readings, case studies and class discussion. The course will seek to draw from theories of CED and the social economy and compare them to examples of how community business and CED gets implemented.

**MBAC6103****FUNDAMENTALS OF FINANCE, WITH CED APPLICATIONS****Credits: 3****Prerequisite:**

MBAC5103.

**Exclusions:**

Unavailable to students with credit for MBAD601

Provides students with a comprehensive body of knowledge concerning management of the firm's financial affairs. The course covers financial analysis and planning, valuation of assets, long-term capital budgeting and capital structure decisions, short-term investment and financing decisions and tax principles influencing the organization's finance and investment decisions.

**MBAC6106****LEADERSHIP TRAINING****Credits: 3****Prerequisite:**

MBAC5105.

**Exclusions:**

Unavailable to students with credit for MBAD605.

The course uses a combination of lectures, discussions, cases and presentations to focus on leadership training techniques. It covers major issues in leadership and presents practical techniques for implementation. Learners will be able to analyze typical leadership problems and develop options for solutions, including means for conflict resolution and mediation. Emphasis is placed on cultural and political differences in the conduct of community organization and leadership training and their effect on outcomes.

**MBAC6107**

## **COMPARATIVE DEVELOPMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD608

This course employs a comparative approach in the assessment of alternative development philosophies in both the North and South, especially those which attempt to define a sustainable community. It examines the influence of natural resources and governance on development, it synthesizes concepts of development and it examines strategies used to formulate action plans to achieve sustainability in communities. Learners will become skilled in thinking globally and acting locally and on using qualitative and quantitative indicators of sustainability.

## **MBAC6118**

### **FUNDAMENTALS OF VENTURE ANALYSIS**

**Credits: 3**

**Prerequisite:**

MBAC5103 and MBAC5104.

**Exclusions:**

Unavailable to students with credit for MBAD618

The course provides students with opportunities to apply knowledge acquired in prior experience and other business courses, in planning and developing a business venture. Students who complete this course will have a sound understanding of the process of developing a business plan and will be able to evaluate business plans. The course will also attempt to explore the differences between traditional business practice and community economic development.

## **MBAC6121**

### **APPLIED RESEARCH METHODS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD603

This survey course will provide students with an understanding of varying approaches to applied research, including qualitative, quantitative and ethnographic methods. Learners will be required to critically analyze the strengths and weaknesses of the methods. Participants will be encouraged to prepare their proposal for their applied research project and identify research methods appropriate to their research project

## **MBAC6124**

### **INTERNATIONAL BUSINESS**

**Credits: 3**

**Prerequisite:**

MBAC5103, MBAC5104, and MBAC5105.

**Exclusions:**

Unavailable to students with credit for MBAD624.

This course focuses on the issues raised by doing business internationally. It examines the economic and financial environment, institutions and markets, and interrelationships of principal trade centres. It also discusses trade issues and strategic international management issues. The course is integrated across business functional areas.

## **MBAC6125**

### **STRATEGIC MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MBAC6124.

**Exclusions:**

Unavailable to students with credit for MBAD630.

Introduces students to the basic concepts and methodologies used in crafting and executing business strategy. The course provides the student with the opportunity to apply knowledge garnered in previous courses and to integrate it. Will use the case method extensively and will focus on strategic decision making in the CED context.

## **MBAC6204**

### **COMMUNICATION & SOCIAL CHANGE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD602.

The ideologies and conditions of the premodern, modern and postmodern worlds through their manifestations in cultural and technological artifacts.

## **MBAC6205**

### **CULTURAL TOURISM MARKETING**

**Credits: 3**

**Prerequisite:**

MBAC5104

This course builds on the fundamentals covered in the MBA core marketing course and focuses on the strategic marketing process as it relates to the cultural tourism industry. The course focuses on the use of cultural assets as tourism products, including tangible, intangible, contemporary and heritage assets. Cultural destination branding, destination sustainability and the opportunities and challenges facing this tourist offering will be introduced. The course will also explore the theoretical and practical issues arising from the cross-cultural environment, including differing cultural values, social customs and business practices. The course discusses issues of intellectual copyright and the development of indigenous cultural tourism.

## **MBAC6206**

### **TOURISM MANAGEMENT & PLANNING**

**Credits: 3**

**Prerequisite:**

MBAC5104

This course takes a comprehensive approach to the study of tourism, covering tourist types and behaviour, the role of places and experiences in tourists' travels, environmental impacts, and the structure of the tourism industry. It presents the scale and scope of the business of tourism, and the cooperative nature of decision making in tourism. The course also provides a study of tourism planning, including market research, attraction proposal, and implementation strategies. It also covers the importance of planning for matching supply and demand, for using resources sustainably, and recognising the various stakeholders such as the local community, the tourists, the tourism industry, the different levels of government, and their roles in the tourism planning process.

## **MBAC6208**

### **INFORMATION & COMMUNICATION TECHNOLOGY & ECONOMIC DEV'T**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD609



This course focuses on the use of information technology in organizations and communities. It examines how organizations can use information technology as a tool to improve their effectiveness, enhance their competitive advantages and help transform the economy.

## **MBAC6209**

### **LAND CLAIMS, SELF GOVERNMENT & CED**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD610.

Provides an overview of the ever-changing environment in the political economy of First Nations communities in Canada. Models and cases of land claims and self-government are explored, with an emphasis on issues relevant to long-range planning and policy-making for community economic development.

## **MBAC6211**

### **DYNAMICS OF CED IN FIRST NATIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD611

A comparative course which analyses the social and economic conditions that distinguish urban and rural First Nation communities. Students discuss the different strategic approaches to community economic development that could be used in each case.

## **MBAC6214**

### **SOCIAL ENTREPRENEURSHIP**

**Credits: 3**

**Prerequisite:**

MBAC5101.

**Exclusions:**

Unavailable to students with credit for MBAD613.

Social entrepreneurship refers to initiatives by citizens and community groups to respond to social needs. Social enterprises are blurring the lines between the sectors, taking for-profit, non-profit and hybrid

forms of organization. The objective of this course is to introduce students to the concepts, practices and challenges of social entrepreneurship. Students will learn from examples of regional experiences and from case studies that illustrate the application of business skills in the social sector. The course discusses the impact of trust and social capital in communities and the use of the Balanced Scorecard to strengthen the management of the enterprise.

## **MBAC6215**

### **EMERGENCY MANAGEMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD616.

This course is designed to facilitate a comprehensive understanding of the role of community economic development in preparing for and dealing with local and national emergencies and their consequences. Knowledge and skills acquired in this course will be directly transferable to international crises and disasters. The preparedness measures of various organizations are examined. Using a provided scenario, students prepare a CED plan, including concept, implementation and transfer/close-out aspects.

## **MBAC6217**

### **CONFLICT RESOLUTION AND COMMUNITY RECONSTRUCTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MBAD617.

This course is designed to facilitate a comprehensive understanding of the role of community economic development in conflict prevention, conflict resolution and post-conflict restoration activities. Students will acquire knowledge and analytical insight in two significant aspects of the human condition: the origins and nature of conflict and the conditions necessary for peace. The course focuses on: security assurances attained by alliance building at all levels; prevention and resolution of conflict, the theory and practice of CED and its place in building secure communities and how CED initiatives are employed by civilian and military organizations.

## **MBAC6219**

### **SOCIAL LEADERSHIP**

**Credits: 3**

**Prerequisite:**

MBAC6106.

**Exclusions:**

Unavailable to students with credit for MBAD620.

The course discusses how modes of communication, distribution of power, values, sharing of knowledge and the ways people interact with others affects leadership. The purpose of the course is to help participants gain an understanding of the sociological, psychological and cultural factors that contribute to leadership behaviours and the ways in which people respond to them. It will provide practical tools with which participants can assess and improve their own leadership skills.

**MBAC6221****PUBLIC POLICY****Credits: 3****Prerequisite:**

MBAC5101, MBAC5103, MBAC5104, MBAC5105

**Exclusions:**

Unavailable to students with credit for MBAD621.

This course will examine the major theories relating to the policy-making process, the institutional, political and socio-economic contexts in which decisions are made and how those decisions have been implemented. Understanding the variety of means in which policies can be implemented is as important as the designing of public policy. In this respect, attention will be paid to the policy relationship between government and community economic development (CED) organizations. A number of CED public policy case studies will be used as pedagogical tools, in order to understand how the policy-making process has occurred, the other types of policy options which were available and what the results have been from particular policy decisions. The policy-making process in Canada and in other major industrialized countries has changed significantly over the last two decades. Any individual or group can create an electronic platform in order to advance their policy objectives. Because of increased opportunities for citizen participation in policy-making, governments are increasingly being pressured to open the policy development process so that stakeholder groups and members of the "attentive" public can have input into the decision making.

**MBAC6223****GOVERNMENT, BUSINESS, AND THIRD SECTOR RELATIONS****Credits: 3****Prerequisite:**

MBAC5101, MBAC5103, MBAC5104, MBAC5105

**Exclusions:**

Unavailable to students with credit for MBAD623.

This course will explore the multi-layered relationships between government, business, and the third sector, in order to detail the political, institutional, and societal context in which businesses and non-profit/community economic development organizations operate. This exploration will provide a lively theoretical introduction to government/business relations. The course will discuss a wide range of ideological perspectives, which attempt to inform us as to what those relations should or should not be based upon.

## **MBAC6226**

### **INTERNATIONAL FINANCE**

**Credits: 3**

**Prerequisite:**

MBAC6103.

**Exclusions:**

Unavailable to students with credit for MBAD631.

This course provides a conceptual framework within which the key financial decisions of the multinational firm can be analyzed. The course considers the environment of international financial management, foreign exchange markets and the tools that can be used to hedge exchange rate risks. The course covers methods used to manage accounting and economic exchange rate exposures and examines the financing options available to multinational financial managers and how cost of capital can be determined.

## **MBAC6227**

### **ENVIRONMENT, ENERGY, AND THE ECONOMY:STRATEGIES FOR SUSTAINABLE FUTURES**

**Credits: 3**

**Prerequisite:**

MBAC5101, MBAC5103, MBAC5104, MBAC5105

**Exclusions:**

Unavailable to students with credit for MBAD633.

The course provides a comprehensive examination of the environmental issues facing organizations and communities. The goal of the course is to prepare learners to help organizations understand sustainability and how it affects corporate strategy and public policy. The course builds on the concept of socially sustainable development, fused in the program's core curriculum and extends it to planning for sustainable environmental and energy futures at global, national, regional, and corporate levels; including a discussion of the impact of climate change agreements on energy consumption. It explores the tensions between growth, energy consumption and the environment; it aims to develop a holistic understanding of ecological, economic and social sustainability. It includes discussion of environment and energy risks, methods to value natural resources, effect of organizations environmental image and the

relationship between environmental and financial performance. The course introduces the elements of environmental management systems through the use of case studies that can help government, business, community organizations and citizens move toward sustainable practice.

## **MBAC6228**

### **INTERNATIONAL MARKETING**

**Credits: 3**

**Prerequisite:**

MBAC5104.

**Exclusions:**

Unavailable to students with credit for MBAD634.

This course focuses on the basic concepts of international marketing, the need for international marketing activities and global trade. It reviews institutions and markets, covers in-depth geography discussion and explores cultural and strategic marketing issues. The principle aim of the course is to internationalize theory and practice across the broad range of functional marketing areas.

## **MBAC6229**

### **SUSTAINABILITY MARKETING**

**Credits: 3**

**Prerequisite:**

MBAC5104

**Exclusions:**

Unavailable to students with credit for MBAD634.

The course aims to provide a comprehensive framework for understanding how environmental issues influence marketing in business, government and the social economy. The course follows the multiple-bottom-line approach built in the MBA (CED) program. Going beyond the concepts introduced in the core marketing course, it explores marketing theory and strategy as it relates to the objectives of organizations striving for social and environmental sustainability. Learners will study marketing implications for sustainability and critically analyze existing marketing systems. It reviews approaches to green marketing, focusing on sustainable ideas and behaviour.

## **MBAC6231**

### **MARKETING STRATEGY**

**Credits: 3**

**Prerequisite:**

MBAC5104.

**Exclusions:**

Unavailable to students with credit for MBAD636

This course focuses on developing effective marketing strategies that can serve as blueprint for marketing programs that build long-term success for the organization. Students learn basic branding principles and examine the branding strategies organizations employ to enhance positioning and deliver high levels of satisfaction to targeted customers and clients, sustain a competitive advantage and improve market performance and financial performance. Learners will be able to conduct market and industry analyses, develop a competitive position and explain the meaningful competitive advantage of a firm. Learners will be able to formulate and assess marketing strategies and tactics that have value for the firm, customers, clients, partners and society at large. Issues of ethics, social responsibility, customer satisfaction and credibility arise throughout the course in readings, lectures, case studies and projects. The pre-assigned readings are supplemented by news coverage of current events. Case studies explore the benefits and risks of valuing socially focused brands.

**MBAC6233****CONTEMPORARY ORG ISSUES;CHANGE MGMT & GOVERNANCE****Credits: 3****Prerequisite:**

MBAC5105.

**Exclusions:**

Unavailable to students with credit for MBAD640.

Change management and governance are two organizational issues that dominate managerial, board and regulatory time and resources because of their high degree of both risk and opportunity. The pace of change affecting organizations in the private, public and non-profit sectors has increased dramatically as a result of new enabling technologies and the need to respond to changing national and global political and market operating environments. This course provides the student with a theoretical underpinning for both cross-cutting issues, while also focusing on practical applications of that theory to real-life situations in all three economic sectors.

**MBAC6801****APPLIED RESEARCH PROJECT****Credits: 3****Prerequisite:**

MBAC6121.

**Exclusions:**

Unavailable to students with credit for MBAD625

The Applied Research Project (ARP) will meet the highest academic standards and will approach a problem in business and/or community economic development in a holistic, multidisciplinary manner. A two-person supervisory committee, drawn from different disciplines, will oversee the preparation of the project. There is no residency requirement for the research project, which may be completed off site. The ARP must be completed within 12 months.

**MECH2133****TOOLS, FIXTURES, & GAUGING****Credits: 3****Prerequisite:**

MECH2164, MECH2137.

**Exclusions:**

Unavailable to students with credit for MECH275.

Types of tooling systems and fixturing methods utilized in CNC manufacturing and methods of inspection and gauging. Topics include: tooling and tool programs for machining centres, EDM, open set-up gauging, functional gauging and coordinate measuring

**MECH2134****MACHINE DESIGN II****Credits: 3****Prerequisite:**

ENGI1164.

**Exclusions:**

Unavailable to students with credit for MECH385.

This course focuses on the design and selection of power transmission components.

**MECH2137****GEOMETRIC TOLERANCING****Credits: 3**

**Prerequisite:**

DRAF1163

**Exclusions:**

Unavailable to students with credit for MECH293.

Application of dimensional philosophy based on the function and manufacture of parts for production. Topics include coordinate and positional tolerancing, form and orientation tolerancing, run-out, co-axial methods, functional gauging concepts, and 3D part analysis.

## **MECH2161**

### **THERMODYNAMICS**

**Credits: 3****Prerequisite:**

PHYS1101 and PHYS1201

**Exclusions:**

Unavailable to students with credit for MECH224.

The relationship between heat and work and the efficiency of the conversion process, first and second laws. Emphasis is placed on the process involved in a modern steam Electrical Power Generation Plant.

## **MECH2163**

### **MATERIAL SCIENCE**

**Credits: 3****Prerequisite:**

MECH2165.

**Exclusions:**

Unavailable to students with credit for MECH234

Continues the metallurgy course to include the heat treating and properties of ceramics, carbides and plastics. An introduction to welding practice and technique is included. Laboratory experiments augment the lecture information.

## **MECH2164**

### **CAD/CAM**



## **Credits: 3**

### **Prerequisite:**

ENGI1161 and DRAF1163.

### **Exclusions:**

Unavailable to students with credit for MECH263

Advanced computer-aided drafting, utilizing Unigraphics software and CNC Milling operations and programming. Hands-on approach to computer-aided drafting.

## **MECH2165**

### **METALLURGY**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for MECH273.

The fundamentals of process and physical metallurgy. Laboratory experiments simulate both quality control testing and heat treatment. Plant tours.

## **MECH2166**

### **FLUID POWER**

## **Credits: 3**

### **Prerequisite:**

ENGI1168.

### **Exclusions:**

: Unavailable to students with credit for MECH274.

The characteristics of basic hydraulic components and the assembly of them into circuits to achieve desired actuation. Includes the study of components and circuit design.

## **MECH2167**

### **MACHINE DESIGN I**

## **Credits: 3**

**Prerequisite:**

ENGI1164

**Exclusions:**

Unavailable to students with credit for MECH284

Expands the principles of mechanics, strength of materials and material science to include the design of machine components.

**MECH2168****HEATING, VENTILATION, & AIR CONDITIONING****Credits: 3****Prerequisite:**

ENGI1168.

**Exclusions:**

Unavailable to students with credit for MECH345

The major emphasis is on comfort air conditioning - both winter heating and summer cooling. Includes the basic principles of heat transfer, psychrometry, load analysis, and equipment selection.

**MECH2169****ROBOTICS/CIM****Credits: 3****Prerequisite:**

MECH2164.

**Exclusions:**

Unavailable to students with credit for MECH365.

Computer-integrated manufacturing: the programming, operation and maintenance of CNC Robotics utilizing a unimation puma robot

**MGMT1601****INTRODUCTION TO BUSINESS****Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS111.

A BBA core requirement. This introductory course offers an overview of the Canadian business organization and environment, presenting up-to-date issues that shape today's business world. Topics representing accounting, economics, finance, marketing, production, human resources, managerial concepts, and organizational structures provide a foundation for further business studies.

**MGMT1603****NATURE OF ENTREPRENEURSHIP****Credits: 3****Exclusions:**

Unavailable to students with credit for BUSS113

This introductory course is intended for students of any program or discipline to aid their thinking of how they can perceive and construct their worlds of opportunity. The course brings together a range of perspectives and disciplines to assist students in taking personal and social action to discover and act on ideas and problems as opportunities, to recognise and generate multiple forms of value, and to apply techniques and frame works in taking entrepreneurial action.

**MGMT1604****OPPORTUNITY ANALYSIS & VENTURE CAPITAL****Credits: 3****MGMT2101****WHO'S IN CHARGE?: EXPOSING GOV'T-BUSINESS RELATIONS IN CANADA****Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for BUSS272 or POLS263.

Cross-listed with POLS2116 The relationship between business and government in Canada is a complex, fluid one that is little understood. Understanding that relationship is vitally important, however, because it affects how we live and work as Canadians. This course examines the historical relationship between

government and business. A large part of that examination will focus on how that relationship determines what governments will and won't do when it comes to making decisions in areas such as education, health care, personal and corporate taxes, economic development and foreign policy. This course is of equal interest to business and political science students.

## **MGMT2111**

### **BUSINESS & COMMUNITY DEVELOPMENT I**

**Credits: 3**

## **MGMT2113**

### **BUSINESS & COMMUNITY DEVELOPMENT II**

**Credits: 3**

## **MGMT2603**

### **INTERPERSONAL COMMUNICATION**

**Credits: 3**

**Prerequisite:**

MGMT2604

**Exclusions:**

Unavailable to students with credit for BUSS263.

The course covers such topics as basic communication theory, perception, verbal and nonverbal cues, listening, self-presentation, clarity, and conflict management. The particular focus will be on communication in the workplace, but most of the theories, concepts, and skills will be relevant to relationships away from the workplace as well.

## **MGMT2604**

### **ORGANIZATIONAL BEHAVIOUR I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS261 or BUSS260.

An introduction to organizational behaviour that will present the multi-faceted, multi-discipline foundations of the subject. Students will explore the major concepts including individual values, personality, perception, learning, workplace emotions and attitudes, motivation, as well as team dynamics, communicating in organizations, conflict and negotiation and leadership, organizational structure and design, organizational culture, and organizational change.

## **MGMT2605**

### **HUMAN RESOURCE MANAGEMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS363.

Deals with the traditional human resource (HR) functions: recruitment and selection, training and development, career management, compensation and performance management. Current HR issues such as innovative workplace practices, occupational health and safety, workplace education and changing HR functions will also be considered.

## **MGMT3603**

### **INTEGRATIVE ENTREPRENEURSHIP**

**Credits: 3**

**Prerequisite:**

ACCT1204, MGMT2604, MGSC2101 and MRKT1301 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BUSS312

A BBA core requirement This course will explore the key issues and challenges facing management in organizations that are experiencing growth. Strategies used in successful businesses will be examined to foster growth while minimizing risk. The development of a comprehensive business plan for a new or existing business will involve the student in this management process.

## **MGMT3604**

### **INDUSTRIAL RELATIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS362.

This foundational course places emphasis on the employment relationship in a unionized workplace. Lectures, readings, simulations and assignments will serve to acquaint the student with the structure and functioning of the Canadian industrial relations system, basic employment law concepts, the union certification process, negotiation and administration of collective agreements and strikes and dispute resolution. A bargaining simulation is an integral component of the course.

## **MGMT3605**

### **ORGANIZATIONAL BEHAVIOUR II**

**Credits: 3**

**Prerequisite:**

MGMT2604.

**Exclusions:**

Unavailable to students with credit for BUSS262 or BUSS260.

This course continues the study of organizational behaviour by focusing on managing effective organizations. Topics include organizational processes, structure, development, and change.

## **MGMT3606**

### **LEADERSHIP IN ORGANIZATIONS**

**Credits: 3**

**Prerequisite:**

MGMT2604.

**Exclusions:**

Unavailable to students with credit for BUSS364.

Introduces leadership from the social sciences perspective. With an emphasis on interpersonal skills, the study of this course focuses on leadership theory, research and applications in modern organizations.

## **MGMT3607**

### **INTRO TO INTERNATIONAL BUSINESS MGMT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS391.

A BBA core requirement. Since Canada is heavily involved in global trade relationships with many countries, the course examines the nature and impact of international trade, trading blocks, and the financial instruments that facilitate world trade.

## **MGMT4603**

### **DIVERSITY ISSUES IN MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MGMT2604 and MGMT3605.

**Exclusions:**

Unavailable to students with credit for BUSS464.

Examines the changing workplace demographics, specifically addressing how we manage differences at work. A number of topics are covered which are representative of the new workforce characteristics, including racial differences, women at work, alternative lifestyles, the ageing workforce, the disabled and organizational response to diversity.

## **MGMT4604**

### **ORGANIZATIONAL DEVELOPMENT**

**Credits: 3**

**Prerequisite:**

MGMT2604 and MGMT3605 or permission of the instructor

**Exclusions:**

Unavailable to students with credit for BUSS465.

An examination of the process of change in organizations. Strategies for improving the effectiveness of an organization and meeting the needs of employees, managers, owners, customers and other stakeholders are explored.

## **MGMT4605**

### **BUSINESS COMPETITIVE STRATEGIES**

**Credits: 3**

**Prerequisite:**

ACCT1204, ECON1101,1103, FINC2401, 2403, MGMT1601,2604,2605

**Exclusions:**

Unavailable to students with credit for BUSS471

The formulation and implementation of long-range decisions which focus on corporate strategy and corporate citizenship.

## **MGMT4606**

### **TOURISM MANAGEMENT**

**Credits: 3**

**Prerequisite:**

ECON1101 and HATM3509 or by permission of the instructor.

**Exclusions:**

Unavailable to students with credit for BUSS493.

**Note:**

Pre-reqs added to Calendar Feb 26 2016 at the request of George Karaphillis, Acting Dean SSOB Course description also changed at this same time.

This is a capstone course for the BHTM program. The course examines tourism development and management on a global platform. It examines the positive and negative social, cultural, economic and environmental impacts of tourism in developed and developing destinations. The course ties in the basic elements of sustainable tourism development and management.

## **MGMT4607**

### **TOURISM STRATEGY**

**Credits: 3**

**Prerequisite:**

ACCT1203, MGMT4606, HATM3125, or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BUSS495

This is the capstone course for the Bachelor of Hospitality and Tourism Management Degree. A critical study into the development of strategic hospitality and tourism plans, providing the foundation upon which hospitality and tourism planning and implementation is based.



## **MGMT4609**

### **LABOUR RELATIONS SEMINAR**

**Credits: 3**

**Prerequisite:**

MGMT2605, MGMT3604. The prerequisites may be waived, at the discretion of the instructor, for people with labour relations backgrounds.

**Exclusions:**

Unavailable for students with credit for BUSS466.

Examines approaches to the development of participative management. Topics may include: work redesign, the Scanlon plan, quality circles, autonomous work groups, co-determination in management, and workers' co-operatives.

## **MGSC1101**

### **MATHEMATICS FOR BUSINESS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS101.

Focuses on weaknesses in quantitative skills needed to solve and interpret business-oriented word problems. Designed with an emphasis on algebra to help prepare students for business calculus.

## **MGSC1108**

### **INTRODUCTION TO STATISTICS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS182. Credit for MGSC1108 or BUSS182 rules out credit for MATH1109.

A BBA core requirement. A course in statistics which introduces the student to basic probability concepts; descriptive measures; probability distributions, including the binomial and normal distributions and their properties; estimation; hypothesis testing; Chi Square analysis; and linear regression and correlation. Computer applications will also be illustrated using a statistical package. A BBA core requirement.

## **MGSC1109**

## **CALCULUS FOR BUSINESS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS281

A BBA core requirement. This course provides a mathematical foundation for business students, showing how mathematical concepts can be applied to describe business and economic phenomena. Topics covered include rational and polynomial functions, the mathematics of finance, limits and continuity, derivatives with applications including maxima and minima and integral calculus.

## **MGSC2101**

### **COMPUTERS IN BUSINESS**

**Credits: 3**

**Prerequisite:**

MGSC1109 or permission of the department

**Exclusions:**

Unavailable to students with credit for BUSS181

A BBA core requirement. Introduces students to the use of the computer in the solution of business problems. Includes computer literacy and use of MS Office microcomputer software (Excel spreadsheet and Access database management). Hands-on lab sessions are an integral part of the course.

## **MGSC2103**

### **QUANTITATIVE METHODS**

**Credits: 3**

**Prerequisite:**

MGSC1108

**Exclusions:**

Unavailable to students with credit for BUSS282.

A BBA core requirement. Introduces students to quantitative tools available for business decision making, focusing on problem solving through model building. Topics include: decision theory including decision trees, inventory models, linear programming and applications including sensitivity analysis, networking, forecasting and simulation. Strongly recommended that this course be taken after MGSC2101 and MGSC1109.

## **MGSC2104**

### **SUPPLY CHAIN MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MGMT1601, MGSC2101 , MRKT1301

This is an introductory course in Supply Chain Management. This course will examine how supply chain professionals actively operate at the centre of the supply chain structure providing connectivity, managing relationships of all stakeholders who are linked in this chain through physical flows and information flows, and ensuring that the processes resulting the effective distribution of goods form the manufacturer to the end user while safeguarding quality.

## **MGSC3101**

### **INFORMATION SYSTEMS FOR MANAGEMENT**

**Credits: 3**

**Prerequisite:**

ACCT1204 and MGSC2101.

**Exclusions:**

Unavailable to students with credit for BUSS284.

Introduction to key issues associated with the use of information systems and technology in organizations. This course examines how information resources are integrated to provide working information systems designed to support organizational operations and decision making. This includes an introduction to tools and techniques used in information systems analysis and design, and a review of alternative approaches to systems development. Emphasis is placed on how to adopt, use, and manage information technology to gain a comprehensive advantage. Cases will be used to cover a wide range of issues.

## **MGSC3103**

### **PROCUREMENT & SUPPLY MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MGSC2103, MGSC2104

Procurement and Supply Management involves purchasing and acquisition of goods and services for the essential purpose of distribution through several and often times, complex channels to the supplier, facilitators, stakeholders, and ultimately across to the end user. Through diverse teaching methods, this

course aims to enable students to understand the workings and complexities involved in the procurement and supply of these goods across a global network.

## **MGSC3104**

### **LOGISTICS & TRANSPORTATION**

**Credits: 3**

**Prerequisite:**

MGSC2103, MGSC2104

This course concentrates on the infrastructure and facilities which enable the logistical systems required for the unencumbered distribution of goods, services, and information. The course will focus on a wide range of issues surrounding transportation, facilities management, inventory, information systems, order processing, and customer satisfaction among others. Through diverse teaching methods, this course aims to enable students to understand the workings and complexities involved in the global sourcing of these goods across an international network.

## **MGSC3108**

### **OPERATIONS MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MGSC2103 and MGSC3101.

**Exclusions:**

Unavailable to students with credit for BUSS284.

This course provides a general introduction to operations management (OM). OM is the management of processes or systems that create goods and/or provide services. This course provides students who aspire to be future managers with tools, language, concepts, and insights about relevant operations problems and issues to gain competitive advantage through operations. Specifically, students will be exposed to aspects of business management dealing with sales and service support, service delivery, customer help lines, product development, and total quality management.

## **MGSC4101**

### **GLOBAL SOURCING**

**Credits: 3**

**Prerequisite:**

MGSC3103

Global sourcing involves the practice of sourcing for goods and services from the global market and across geopolitical boundaries. All the attendant challenges including the risk of the loss of intellectual property rights, different legislations and tax regimes, quality control, culture, language barrier, damage control and the integration of these various aspects of logistics and transportation will be examined. Through diverse teaching methods, this course aims to enable students to understand the workings and complexities involved in the global sourcing of goods across an international network.

## **MICR2101**

### **INTRODUCTORY MICROBIOLOGY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MICR223 or BIOL223

**Note:**

removed pre-req march 29, 2016

Topics include the morphology and physiology of microorganisms, their role in the disease process and methods of control of microorganisms. This course can be applied to the Area of Major for Biology majors. Course includes lab component.

## **MICR3101**

### **MEDICAL MICROBIOLOGY**

**Credits: 3**

**Prerequisite:**

MICR2101 (formerly MICR223 and BIOL223) and a minimum of 3 credits Anatomy & Physiology.

**Exclusions:**

Unavailable to students with credit for MICR333

This course represents an examination of the myriad of microorganisms which are capable of causing human disease. Bacteria, fungi, viruses and protozoan, helminthic and arthropod parasites will be discussed in the context of their ability to cause disease. Topics will include transmission routes and vectors, portals of entry, spread and replication and host pathogen interactions. Discussions will be primarily classified according to body system involved at the clinical level or by the epidemiological pattern where more relevant.

## **MICR3103**

### **ENVIRONMENTAL MICROBIOLOGY**

**Credits: 3**

**Prerequisite:**

MICR2101 (formerly MICR223 and BIOL223).

**Exclusions:**

Unavailable to students with credit for MICR335 or BIOL335

An examination of the ubiquitous nature of microorganisms. The significance of microorganisms in aquatic, terrestrial, and other ecosystems. Examples and problems associated with microbial contamination of food are studied. Beneficial microbial activities such as waste degradation, fermentation and microbial insecticides will be discussed. Laboratory sessions deal with methods of identification, isolation and enumeration of various microorganisms of environmental significance. Course includes lab component.

**MIKM1100****INTRODUCTION TO MI'KMAQ STUDIES****Credits: 6****Exclusions:**

Unavailable to students with credit for MIKM100.

An overview of the major issues, actors, and events in the political and cultural development of the Mi'kmaq Nation.

**MIKM1102****MI'KMAQ/ENGLISH STRUCTURAL COMPARISONS****Credits: 6****Exclusions:**

Unavailable to students with credit for MIKM190

The course deals with structural differences between English and Mi'kmaq and their implications for syntactic and semantic comprehension.

**MIKM1145****INTRODUCTION TO LINGUISTICS****Credits: 3****Exclusions:**

Unavailable to students with credit for MIKM107, ANTH107 or COMM107.

Cross-listed with ANTH1101, COMM1107 An introduction to the scientific study of language. Topics include phonology, morphology, syntax, semantics and the heritage languages of Cape Breton (Mi'kmaq, French, Gaelic and English).

## **MIKM1161**

### **INTRODUCTION TO INDIGENOUS STUDIES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MIKM101

A multi-disciplinary course designed to acquaint students with contemporary North, Central, and South American indigenous peoples and issues. Indigenous film, literature and autobiographies are given special focus.

## **MIKM1167**

### **INDIGENOUS ART OF NORTH AMERICA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MIKM151 or FINA151.

Survey of native North American musical, visual and verbal art genres, also the origin of regional styles and the place of the artist in native life.

## **MIKM2106**

### **INDIGENOUS MUSICS OF NORTH AMERICA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MIKM255, ANTH255, or ETHM255

Cross-listed with ANTH2111, ETHM2311 This course will introduce students to a range of musical tradition from North America Indigenous communities, including nation specific (especially Mi'kmaq), inter-tribal and popular musics. The course focuses on the significance of music to various Indigenous peoples, examining its role in, for example, ritual, spiritual expression, healing, relationship, and dance. Students will also explore the relationship between music and identity, examining gender roles and nation-specific musical expressions. Students will learn basic music vocabulary in order to analyze and describe the characteristics of the music encountered.

## **MIKM2113**

### **CONVERSATIONAL MI'KMAQ FOR NONSPEAKERS: LEVEL I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MIKM211.

The goal is to assist students in understanding and speaking basic Mi'kmaq. Pronunciation and conversational skills are emphasized.

## **MIKM2114**

### **MI'KMAQ FOR SPEAKERS: INTRODUCTION TO LITERACY I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MIKM231

This course investigates the linguistic and historical bases of Mi'kmaq literacy. Students will learn to read and write Mi'kmaq in various orthographies (hieroglyphs, Rand, Pacifique, and Smith-Francis).

## **MIKM2120**

### **MI'KMAQ HISTORY**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits in Humanities.

**Exclusions:**

Unavailable to students with credit for MIKM212 or HIST204.

Cross-listed with HIST2110 A culturally relative chronicle of significant aspects of Mi'kmaq culture from



the pre-contact period to the present. Emphasis is placed on innovative methods of historical reconstruction.

## **MIKM2140**

### **LINGUISTIC ANTHROPOLOGY**

**Credits: 6**

**Prerequisite:**

6 credits Introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for MIKM208, ANTH208 or HERT208.

Cross-listed with ANTH2100 An introduction to socio-cultural aspects of language's forms and functions as expressed in various cultures, including language's interplay with perception, gender and class. Focus will be on collection and documentation of language materials with emphasis on insider/outsider research. Mi'kmaq, Gaelic and Acadian materials are emphasized.

## **MIKM2213**

### **CONVERSATIONAL MI'KMAQ FOR NONSPEAKERS: LEVEL II**

**Credits: 3**

**Prerequisite:**

MIKM2113

**Exclusions:**

Unavailable to students with credit for MIKM213

The goal is to advance the student's skill in speaking the Mi'kmaq language in a variety of social and cultural situations.

## **MIKM2215**

### **MI'KMAQ FOR SPEAKERS: INTRODUCTION TO LITERACY II**

**Credits: 3**

**Prerequisite:**

MIKM2114.

**Exclusions:**

Unavailable to students with credit for MIKM233.

This course builds on the skills of MIKM2114 and provides practise and remediation in the use of the Smith-Francis Mi'kmaq orthography.

## **MIKM2220**

### **MI'KMAQ GOVERNMENT**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for MIKM240 or POLS240

Cross-listed with POLS2112. Examines the history of Mi'kmaq traditional leaderships. Indigenous self-governments in Canada will be used as a framework for discussion.

## **MIKM2222**

### **ETHNICITY, "RACE", & NATIONALISM**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for MIKM350, AN/S294 or SOCO350.

Cross-listed with AN/S2230 This course examines the main approaches to the study of ethnic groups, the social construction of race and nationalist movements. The analysis of selected mass media materials will complement the theoretical part of the course, illustrating the influence of ethnicity, race and nationalism on contemporary culture.

## **MIKM2410**

### **MI'KMAQ SPIRITUALITY**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for MIKM260.

This course presents an overview of the special way Mi'kmaq people have lived with Nature and God in Atlantic Canada. It attempts to make explicit the wisdom that is implicit in the Mi'kmaq consciousness

and in what they have discovered about the meaning of being human. The focus is on both the Algonquian and Catholic consciousness that have developed an understanding of natural forces, a theory of ecological and human dignity, a spiritual solidarity with God, and a social order which respects sharing, hospitality, love of family and the processes of human development.

## **MIKM2801**

### **DIRECTED STUDY IN MI'KMAQ STUDIES**

**Credits: 3**

## **MIKM3110**

### **SELF & OTHER: ENCOUNTER, TRADITION, & TRANSFORMATION**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology

**Exclusions:**

Unavailable to students with credit for MIKM334, AN/S336 or ANTH333

Cross-listed with AN/S3210 Colonialism produced an enduring cultural legacy with a range of severe consequences for indigenous cultural reproduction and social organization. Europe also felt the drastic consequences of its own expansionism. How indigenous self-definitions and how traditions have been transformed, revitalized or created anew are the focus of this course, which considers indigenous peoples in a global perspective covering the past 500 years

## **MIKM3120**

### **ABORIGINAL AND TREATY RIGHTS IN THE CANADIAN CONSTITUTION**

**Credits: 6**

**Prerequisite:**

MIKM1100 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for MIKM340, HIST312 or POLS340.

Cross-listed with HIST3110 and POLS3110 The study of Mi'kmaq Aboriginal and treaty rights in Atlantic Canada. The issue of enshrining Aboriginal and treaty rights in S.25 and S.35 of the Constitution Act (1982) will be emphasized

## **MIKM3140**

### **MI'KMAQ LINGUISTICS**

**Credits: 6**

**Prerequisite:**

MIKM1145 and MIKM2114/2215

**Exclusions:**

Unavailable to students with credit for MIKM300.

Mi'kmaq Linguistics examines both the word formation (morphology) and the sentence (syntax) patterns common to the Mi'kmaw language. Attention is also paid to how Mi'kmaw words are used and organized within larger discourse such as stories and speeches. Students work on taped stories and speeches which were collected from Mi'kmaw speakers in the 1960's and 1970's.

## **MIKM3141**

### **MI'KMAQ LEXICOLOGY: THEORY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MIKM321

Explores various theoretical approaches to dictionary construction for Algonquian languages such as Mi'kmaq.

## **MIKM3143**

### **MI'KMAQ LEXICOLOGY: APPLIED**

**Credits: 3**

**Prerequisite:**

MIKM3141 or permission of instructor

**Exclusions:**

Unavailable to students with credit for MIKM323.

Students will conduct lexicological research on Mi'kmaq. Difficulties of capturing indigenous world views through English translation will be explored.

## **MIKM3245**

## **LANGUAGE CONTACT, CHANGE, DEATH, & REVITALIZATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MIKM363, AN/S363 or HERT363

Cross-listed with AN/S3214 This course examines how languages change when in contact as well as the very serious process of language death, which is now happening on a global scale. Discussion also focuses on suggested solutions to the rapid loss of linguistic diversity. Languages such as Mi'kmaq and Cape Breton Gaelic are highlighted for analysis.

## **MIKM3313**

### **MI'KMAQ NOUNS AND VERBS**

**Credits: 3**

Cross-listed with ANTH3103 This course examines the morphological structure of Mi'kmaq nouns and verbs. The complex internal word grammar of Mi'kmaw is explored, giving insight into the semantic categories of this endangered language.

## **MIKM3320**

### **RACE RELATIONS IN NORTH AMERICA**

**Credits: 6**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for MIKM375 or HIST324.

Cross-listed with HIST3120 A history of the cultural interaction between whites, native Americans and blacks in North America from the period of exploration and first contact to the present. Seminar.

## **MIKM3424**

### **NORTH AMERICAN ABORIGINAL LITERATURE**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits of ENGL at the 1000 level

Cross-listed with ENGL3424 An introduction to the songs and stories of pre-contact North American Aboriginal people, as well as the most recent flowering of writing in English over the last 30 years.

## **MIKM4100**

### **CONTEMPORARY MI'KMAQ ISSUES**

**Credits: 6**

**Prerequisite:**

MIKM1100 and 6 credits at the 2000 or 3000 level.

**Exclusions:**

Unavailable to students with credit for MIKM450.

Examines selected issues in contemporary Mi'kmaq society. The focus is on a critical analysis of the issues.

## **MIKM4107**

### **INDIGENOUS PERSPECTIVES ON HEALTH & HEALING**

**Credits: 3**

**Prerequisite:**

3RD AND 4TH YEAR NURSING STUDENTS

**Note:**

CROSS-LISTED WITH NURS4107

CROSS-LISTED WITH NURS4107 Indigenous peoples often experience greater health challenges and increased health disparities than non-Indigenous populations globally. Finding ways to enhance and expand the health and well-being of Indigenous populations through culturally-sensitive, culturally-appropriate, and culturally-safe healthcare should be a priority for those working in the healthcare sectors. This course will examine understandings of health and healing from a variety of Indigenous perspectives, with a specific focus on the Mi'kmaq of Cape Breton, in order to increase cultural awareness of how different Indigenous cultures understand and conceptualize wellness. This course will be framed around experiential hands-on learning opportunities, and will have a strong presence of guest speakers from various Indigenous perspectives and various health professionals. Planned activities are cultural talking circles, medicine walks, sweat lodges, Elder teachings, and tours of Mi'kmaq health centres on Cape Breton Island.

## **MIKM4800**

### **DIRECTED STUDY IN MI'KMAQ STUDIES**

## **Credits: 6**

Requires a special arrangement between an individual student and a professor, endorsed by the Dean, to cover a topic unavailable in the regular course offerings. A student may take more than one such course for credit. See department chair for details.

## **MRKT1301**

### **INTRODUCTION TO MARKETING**

## **Credits: 3**

#### **Exclusions:**

Unavailable to students with credit for BUSS231

A BBA core requirement. Examines the concept of markets, market studies, market segmentation, consumer behaviour and the development of marketing strategies. Text and case materials.

## **MRKT2301**

### **CONSUMER BEHAVIOR**

## **Credits: 3**

#### **Prerequisite:**

MRKT1301.

#### **Exclusions:**

Unavailable to students with credit for BUSS232.

Explores the application of the social sciences in the decision-making process and what influences they should have in the development of marketing strategies. Field experiments, research techniques and current research.

## **MRKT2303**

### **ADVERTISING & SALES PROMOTION MANAGEMENT**

## **Credits: 3**

#### **Prerequisite:**

MRKT1301.

#### **Exclusions:**

Unavailable to students with credit for BUSS233

An introduction which studies how consumer behaviour provides a base for paid communications as a management tool to accomplish marketing objectives.

## **MRKT3124**

### **TOURISM MARKETING I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS393 or HATM361.

Geography as seen through the eyes of a travel professional. Emphasis is placed on the world's more popular destinations. A major project selected by students will form a large part of this course. An excellent opportunity to study about a place one would like to visit.

## **MRKT3301**

### **MARKETING MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MGSC2101 and MRKT1301.

**Exclusions:**

Unavailable to students with credit for BUSS331

A BBA core requirement. A study of the major decision areas of marketing from the viewpoint of the marketing manager. Utilizes text, labs, case materials and a computer simulation.

## **MRKT3303**

### **INDUSTRIAL MARKETING**

**Credits: 3**

**Prerequisite:**

MRKT1301

**Exclusions:**

Unavailable to students with credit for BUSS332



Deals specifically with business-to-business marketing from opportunity identification through the development of an appropriate marketing mix to the preparation of a strategic marketing plan. Course includes customer and product audits.

## **MRKT3304**

### **MARKETING CHANNELS**

**Credits: 3**

**Prerequisite:**

MRKT1301.

**Exclusions:**

Unavailable to students with credit for BUSS334.

The course focus is channel management: changes in purchasing behaviour warrant changes in the methods used to make goods/services available to the customer.

## **MRKT3307**

### **PUBLIC RELATIONS MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MRKT1301.

**Exclusions:**

Unavailable to students with credit for BUSS339.

An introduction to public relations management which examines and provides an appreciation of the use of publicity as a management tool to accomplish corporate objectives and an understanding of public relations as a major component of corporate communications.

## **MRKT3309**

### **TOURISM MARKETING II**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS394.

An examination of the travel and tourism market from a research and development perspective.

## **MRKT4301**

### **MARKETING RESEARCH I**

**Credits: 3**

**Prerequisite:**

MGSC1108 and MRKT1301.

**Exclusions:**

Unavailable to students with credit for BUSS430 or MRKT4300

This course is designed to provide an overview of qualitative marketing research and its use in making effective marketing decisions. Students will learn (1) how to design research studies and assess whether the results are valid and meaningful, and (2) how to analyze and interpret market research data for marketing decision-making. Students will gain first-hand experience with a variety of qualitative research techniques.

## **MRKT4303**

### **MARKETING RESEARCH II**

**Credits: 3**

**Prerequisite:**

MGSC1108 and MRKT1301.

**Exclusions:**

Unavailable to students with credit for BUSS430 or MRKT4300

In this course, students will be guided through the conduct of a marketing research project. Using the research process, students will solve a marketing problem beginning with problem definition and ending with a formal report. Students will gain an appreciation for the value and conduct of marketing research and the steps involved, including the specification of the target market, questionnaire design and sampling methodologies. Students will also become proficient with some of the capabilities and interpretations of a more recent version of SPSS for Windows and will use the software to tabulate and interpret results.

## **MRKT4304**

### **SALES AND SALES MANAGEMENT**

**Credits: 3**

**Prerequisite:**

MRKT1301.

**Exclusions:**

Unavailable to students with credit for BUSS431.

Understanding the decision-making skills which are necessary for the operation of an effective sales organization.

## **MRKT4305**

### **MARKETING FOR NON-PROFIT ORGANIZATIONS**

**Credits: 3****Exclusions:**

Unavailable to students with credit for BUSS432

Marketing from a limited budget point of view with equal applicability to both profit and non-profit organizations.

## **MRKT4306**

### **INTERNATIONAL MARKETING MANAGEMENT**

**Credits: 3****Prerequisite:**

MRKT1301.

**Exclusions:**

Unavailable to students with credit for BUSS433

A study of world markets: assessment, socioeconomic, cultural and legal environments, research and development of international markets, global markets and complex multinational marketing programs.

## **MRKT4308**

### **MARKETING STRATEGY**

**Credits: 3****Prerequisite:**

MRKT1301 and MRKT3301

**Exclusions:**

Unavailable to students with credit for BUSS439

A study in the development of a strategic marketing plan and program which provides the foundation upon which marketing planning and implementation is based.

**MRKT4309****SOCIAL MEDIA MARKETING****Credits: 3****Prerequisite:**

MRKT1301 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BUSS447.

This course will provide students with an introduction to various aspects of social media marketing and online reputation management. Through a mixture of practical and theoretical work, students will learn how to develop strategy and implement social media campaigns effectively. Online tools to be explored include search engine marketing (SEM), email marketing, blogging, podcasts, online video, social networks, virtual worlds and social bookmarking.

**MRKT4311****RETAIL MANAGEMENT****Credits: 3****Prerequisite:**

MRKT1301 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BUSS456.

This course introduces students to the concepts, strategies, and trends associated with a retail operation in the Canadian marketplace. It explores the current retail environment and key retail management strategies from managing merchandise and employees, to advertising and promotion. The course incorporates environmental issues, including demographics, and economic and social issues into the discussion of retail operations. Key financial and profit formulas are also presented. The course involves both individual and group work and incorporates real-life case studies.

**MRKT4313**

## **SUSTAINABLE MARKETING**

**Credits: 3**

**Prerequisite:**

MRKT1301 and MRKT3301.

**Exclusions:**

Unavailable to students with credit for BUSS457.

This course aims to provide a comprehensive framework for understanding how environmental problems influence sustainable marketing and management strategy in business and in the public sector. This course will analyze and reflect on the relationship between sustainable development (SD), marketing, and all affected stakeholders. Special attention is given to the areas of market communication, environmental strategy, product development, sustainable pricing, and purchase behaviour.

## **MRKT4314**

### **NEW PRODUCT/SERVICE MARKETING AND DEVELOPMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for BUSS434.

New products and services are necessary to successful growth of most businesses. A major goal of this course is to help the student learn, using an analytic decision-making approach, how to develop and market new products and services which meet customer needs in the consumer, industrial, and service settings.

## **MRKT4605**

### **ABORIGINAL CULTURAL TOURISM MARKETING**

**Credits: 3**

**Prerequisite:**

MRKT1301 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for BUSS467.

This will examine aboriginal cultural tourism products and destination marketing as a field of study, investigating concepts that apply to the development of tourist products and attractions. Students will examine marketing as it relates to product development, promotion and authenticity. Aboriginal cultural destination branding, destination sustainability and the opportunities and challenges facing this unique tourist offering in an increasingly competitive tourism marketplace will be explored.

## **MRKT4701**

### **SPECIAL TOPICS IN MARKETING**

**Credits: 3**

**Prerequisite:**

Academic regulations criteria and permission of the department.

Provides an opportunity to deepen studies in an area of marketing not available within the regular course offerings. See Dean or Department Chair for details.

## **MSIT1101**

### **SENSE OF PLACE, EMERGENCE, & PARTICIPATION I**

**Credits: 3**

**Corequisite:**

none, but intended to be taken concurrently with MSIT2101/2103

**Exclusions:**

Unavailable to students with credit for MSIT101/103

Mi'kmaw world view: This course will provide an opportunity for students to appreciate Creation and attain skills to restore the traditional thought of co-existence, recognizing that balance and harmony are embodied in First Nation's traditions, and that First Nation's perspectives on the environment reflect consciousness and therefore create attitudes. The Mi'kmaq language will be discussed, along with the spiritual ecology, mythical and environmental foundations of indigenous education (sensu Cajete). Western science: Discussion will focus on the brain basis of human consciousness, how "things" in the external environment are detected, the importance of pattern recognition by the brain, the occurrence of patterns in Nature, and the scientific pursuit to understand Nature's patterns. Insights into human consciousness as provided by the biophilia hypothesis, multiple intelligences theory and integral psychology will be mentioned.

## **MSIT1103**

### **SENSE OF PLACE, EMERGENCE, & PARTICIPATION II**

**Credits: 3**

**Prerequisite:**

none, but intended to be taken concurrently with MSIT2101/2103,

**Exclusions:**

Unavailable to students with credit for MSIT103.

Mi'kmaw world view: This course will provide an opportunity for students to appreciate Creation and attain skills to restore the traditional thought of co-existence, recognizing that balance and harmony are embodied in First Nation's traditions, and that First Nation's perspectives on the environment reflect consciousness and therefore create attitudes. The Mi'kmaq language will be discussed, along with the spiritual ecology, mythical and environmental foundations of indigenous education (sensu Cajete). Western science: Discussion will focus on the brain basis of human consciousness, how "things" in the external environment are detected, the importance of pattern recognition by the brain, the occurrence of patterns in Nature, and the scientific pursuit to understand Nature's patterns. Insights into human consciousness as provided by the biophilia hypothesis, multiple intelligences theory and integral psychology will be mentioned.

**MSIT2101****WAYS OF KNOWING I****Credits: 3****Corequisite:**

None, but intended to be taken concurrently with MSIT1101/1103.

**Exclusions:**

Unavailable to students with credit for MSIT201/203

Mi'kmaw world view: This course will provide an opportunity for students to appreciate that Spiritual connectedness is deeply embedded in First Nation's thought and that the Mi'kmaw world view is one pathway towards this understanding. Traditional ecological knowledge will be discussed, along with the visionary, artistic, affective and communal foundations of indigenous education (sensu Cajete). Western science: The importance of asking questions in the scientific pursuit to understand Nature will be discussed, along with the major questions asked by modern cosmology, physics, chemistry, geology and biology. Emphasis will be placed on the connectedness found within their answers, using a "parts and wholes" approach to understanding patterns in nature and in science.

**MSIT2103****WAYS OF KNOWING II****Credits: 3****Corequisite:**

None, but intended to be taken concurrently with MSIT1101/1103.

**Exclusions:**

Unavailable to students with credit for MSIT201/203

Mi'kmaw world view: This course will provide an opportunity for students to appreciate that Spiritual connectedness is deeply embedded in First Nation's thought and that the Mi'kmaw world view is one pathway towards this understanding. Traditional ecological knowledge will be discussed, along with the visionary, artistic, affective and communal foundations of indigenous education (sensu Cajete). Western science: The importance of asking questions in the scientific pursuit to understand Nature will be discussed, along with the major questions asked by modern cosmology, physics, chemistry, geology and biology. Emphasis will be placed on the connectedness found within their answers, using a "parts and wholes" approach to understanding patterns in nature and in science.

**MSIT2505****ECOSYSTEMS OF CAPE BRETON****Credits: 3****Exclusions:**

Exclusions: Unavailable to students with credit for BIOL211 or MSIT211

MSIT is the Mi'kmaq word for 'everything together' and the MSIT courses are transdisciplinary science courses. The differences between MSIT and other science courses include the cultural context for the science concepts and the flexible, participatory approach to teaching and learning. In MSIT 2505 / BIO 2505, students will explore the major ecosystems of Cape Breton (Unama'ki) under the umbrella of Ecological Land Classification and the traditional knowledge of L'Nu (Mi'kmaq nation, indigenous to Eastern Canada). This course will be composed of approximately 24 classes over the fall term either with the Professor or as self-directed exercises (ie: readings and projects). As a science course, it will also have a separate lab/fieldwork section equivalent to approximately 3 hours per week to learn pertinent skills.

**MSIT2505L****ECOSYSTEMS OF CAPE BRETON LAB****Credits: 0****MSIT3101****CYCLES & HOLISM I****Credits: 3****Prerequisite:**

MSIT1101/1103 and MSIT 2101/2103, or permission of instructor. BIOL1101 and one of BIOL1601 or BIOL2501 recommended.



**Exclusions:**

Unavailable to students with credit for MSIT301/303.

Mi'kmaw world view: This course will explore First Nation's views on the cycles of life and life forms, with emphasis toward education as the tool to investigate and respect the cosmological forces that influence thought. Varieties of energy and energy forces in natural cycles and patterns will be discussed. Western science: Cycles, rhythms and transformations in nature will be discussed using a complex systems science approach (parts and wholes and evolutionary change). Examples will be drawn from various natural phenomena in internal and/or external environments, with special attention given to issues in Atlantic Canada.

**MSIT3103****CYCLES & HOLISM II****Credits: 3****Prerequisite:**

MSIT1101/1103 and MSIT 2101/2103, or permission of instructor. BIOL1101 and one of BIOL1601 or BIOL2501 recommended

**Exclusions:**

Unavailable to students with credit for MSIT301/303.

Mi'kmaw world view: This course will explore First Nation's views on the cycles of life and life forms, with emphasis toward education as the tool to investigate and respect the cosmological forces that influence thought. Varieties of energy and energy forces in natural cycles and patterns will be discussed. Western science: Cycles, rhythms and transformations in nature will be discussed using a complex systems science approach (parts and wholes and evolutionary change). Examples will be drawn from various natural phenomena in internal and/or external environments, with special attention given to issues in Atlantic Canada.

**MSIT3105****PLANT ECOLOGY****Credits: 3****Prerequisite:**

BIOL2501.

**Exclusions:**

Unavailable to students with credit for MSIT351

Cross-listed with BIOL3541 Western science: The study of Acadian forest systems will continue with an in-depth view of plant assemblages and the relationship to habitat, process, structure and function. Studies will be extended to the non-vascular plants. Relationships and differences between major plant

divisions and plant-animal interactions will be considered. Emphasis will be placed on acquiring this knowledge in the field. Normally offered every other year.

## **MSIT4101**

### **WHOLENESS I**

**Credits: 3**

**Prerequisite:**

MSIT1101/1103, MSIT2101/2103 and MSIT3101/3103, or permission of instructor.

**Exclusions:**

Unavailable to students with credit for MSIT401/403

Mi'kmaw world view: This course will offer the belief instilled in First Nation's thought that everything comes from a single whole and that there is consistent change or flux. There are two kinds of changes (the coming together of things and the coming apart of things); both are necessary and all things are interrelated with everything connected. The four human aspects (mental, physical, emotional and spiritual) must be in balance and harmony for one to be whole and therefore healthy; this process is also evident in all of Creation. Western science: The concepts of wholeness and change will be discussed using the topics of health, healing and evolution at the organismal, population and ecosystem levels.

## **MSIT4103**

### **WHOLENESS II**

**Credits: 3**

**Prerequisite:**

MSIT1101/1103, MSIT2101/2103 and MSIT3101/3103, or permission of instructor.

**Exclusions:**

Unavailable to students with credit for MSIT401/403

Mi'kmaw world view: This course will offer the belief instilled in First Nation's thought that everything comes from a single whole and that there is consistent change or flux. There are two kinds of changes (the coming together of things and the coming apart of things); both are necessary and all things are interrelated with everything connected. The four human aspects (mental, physical, emotional and spiritual) must be in balance and harmony for one to be whole and therefore healthy; this process is also evident in all of Creation. Western science: The concepts of wholeness and change will be discussed using the topics of health, healing and evolution at the organismal, population and ecosystem levels.

## **MUSI1100**

### **INTRODUCTION TO MUSIC THEORY**

## **Credits: 6**

### **Exclusions:**

Unavailable to students with credit for MUSI120

A study of the fundamental theoretical aspects of music.

## **MUSI1101**

### **EXPERIENCING MUSIC**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for MUSI125, ETHM125 or FINA125.

This course introduces musical fundamentals such as pitch, rhythm, timbre, texture and other elements. By using a wide cross-section of world musics as exemplars, this course helps students to develop listening and music analysis skills. Students will be introduced to musics both familiar and unfamiliar, providing a culturally diverse musical environment in which to build their vocabularies for describing musical sound and performance. Through hands-on in-class activities and individual analysis assignments, students receive grounding in the basics of music theory and practice as it is relevant to musical traditions in many parts of the world.

## **MUSI1103**

### **INTRODUCTION TO MUSIC & CULTURE 1600-1800**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for FINA102.

The periods to be studied will be late Renaissance, Baroque, Rococo, and Classical

## **MUSI1104**

### **INTRODUCTION TO MUSIC & CULTURE 19TH & 20TH CENTURIES**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for FINA105.

Changing musical styles that developed in Western Europe between 1790 and 1914.

## **MUSI1109**

### **HISTORY & LITERATURE OF MUSIC I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MUSI115, ETHM115 or FINA115. Satisfies the Group 4, BA core requirement.

This course provides basic knowledge and understanding of music in culture, with emphasis on listening skills and repertoire. Material will include the fundamentals of music and a survey of the Medieval, Renaissance and Baroque periods in European music (ca. 400-1750 AD). Significant musical features, developments, composers, genres, compositions, and ensembles in each of the three eras studied will be examined. In addition, students will consider how broader social, religious, scientific, political and economic contexts affected, and were affected by, music. No prior musical knowledge is required.

## **MUSI1111**

### **HISTORY & LITERATURE OF MUSIC II**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for MUSI116, ETHM116 or FINA116.

This course provides basic knowledge and understanding of music in culture, with emphasis on listening skills and repertoire. Material will include the fundamentals of music and a survey of the Classical, Romantic and Modern periods in European music (ca. 1750 to the present). Significant musical features, developments, composers, genres, compositions, and ensembles in each of the three eras studied will be examined. In addition, students will consider how broader social, religious, scientific, political, and economic contexts affected, and were affected by, music. No prior musical knowledge is required.

## **MUSI1506**

### **HISTORY & LITERATURE OF MUSIC II**

**Credits: 3**

## **MUSI2101**

### **MUSIC & CULTURE**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for MUSI201, ETHM201 or FINA201

An introduction to the discipline of ethnomusicology, this course focuses on the issues confronting those who study music across cultures. Through the course, students discover the ways in which sounds, settings and significances interlock in diverse musical cultures. Through case studies and the major course assignment, students discover how fieldwork is done, including the process of participant observation, ethnographic interviewing, thick description and research ethics. In the process, broader issues in ethnomusicology are studied, such as movement across distances (e.g., migration), commercial and economic issues (e.g., recordings, tourism), ritual (e.g., religion, life cycle ceremonies) and politics (e.g., nationalism, protest). Each of these issues is discussed theoretically and then examined in several specific (and different) case studies involving music cultures from around the world.

## **MUSI2201**

### **INTRODUCTION TO GAELIC SONG**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for ETHM207, CELT207, FINA207 or FOLK207.

Cross-listed with FOLK2111 Studies the history of the Celtic music traditions with special emphasis on Scottish and Cape Breton musical traditions.

## **MUSI2203**

### **INTRO TO CELTIC INSTRUMENTAL MUSIC**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for ETHM209, CELT209, FINA209 or FOLK209.

Cross-listed with FOLK2113 Studies the history of the Celtic music traditions with special emphasis on Scottish and Cape Breton musical traditions.

## **MUSI2214**

### **CELTIC DANCE**

## **Credits: 3**

**Exclusions:**

Unavailable to students with credit for ETHM213

Cross-listed with FOLK2261 Students will learn about social and solo dance forms from Scotland, Ireland and the new world diaspora. They will examine socio-cultural dance contexts (such as ceilidhs and competitions) and grapple with such issues as the impact of tourism on dance, dance as spectacle, invented dance traditions, changing dance traditions and contexts, intercultural influences, expressing identity through dance, and dance music. No dance background is required.

**MUSI2221****EARLY CANADIAN CELTIC MUSIC****Credits: 3****Exclusions:**

Unavailable to students with credit for ETHM241, CELT241, FINA241, FOLK241 or HERT241.

Cross-listed with FOLK2107 This course is designed to introduce students to Celtic music in Canada prior to the 1970's from historical, cultural and musicological perspectives. Students will be introduced to musics from different Celtic cultures, a variety of Canadian regions, a range of musical styles and a number of significant musicians.

**MUSI2223****CONTEMPORARY CANADIAN CELTIC MUSIC****Credits: 3****Exclusions:**

Unavailable to students with credit for ETHM243, CELT243, FINA243, FOLK243, or HERT243.

Cross-listed with FOLK2108 This course is designed to introduce students to Celtic music in Canada from the 1970's onward, using historical, cultural and musicological perspectives. Students will be introduced to music from different Celtic cultures, a variety of Canadian regions, a range of musical styles and a number of significant musicians.

**MUSI2251****SOCIAL HISTORY OF CELTIC MUSIC & DANCE****Credits: 3****Exclusions:**

Unavailable to students with credit for ETHM231, CELT231, FINA231, FOLK231 or HERT231.

Cross-listed with FOLK2105 This course looks at the history and social context of Celtic music and dance. Themes include the influence of politics, religion, commercialism and gender, as well as processes such as modernization, popularization, codification and revival. Also covered are key individuals (musicians, composers and collectors) and important societies and institutions. The focus is mainly on the music and dance of Ireland, Scotland and Cape Breton Island, with some exploration of other Celtic regions. Topics are examined from a cross-cultural perspective. No prior musical knowledge is required.

## **MUSI2301**

### **ATLANTIC FOLK MUSIC**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ETHM203 or FOLK203.

Cross-listed with FOLK2403 This course examines a variety of vernacular musical traditions and will consider aspects such as performers, audiences, aesthetics, functions, history, venues, transmission and collection. The definition of folk music will be debated. Folk music collections will also be studied and questioned.

## **MUSI2311**

### **INDIGENOUS MUSICS OF NORTH AMERICA**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ETHM255, ANTH255 or MIKM255.

Cross-listed with ANTH2111, MIKM2106 This course will introduce students to a range of musical tradition from North America Indigenous communities, including nation specific (especially Mi'kmaq), inter-tribal and popular musics. The course focuses on the significance of music to various Indigenous peoples, examining its role in, for example, ritual, spiritual expression, healing, relationships and dance. Students will also explore the relationship between music and identity, examining gender roles and nation-specific musical expressions. Students will learn basic music vocabulary in order to analyze and describe the characteristics of the music encountered

## **MUSI2401**

### **POPULAR MUSIC & CULTURE: 1890 TO 1950**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for, ETHM227, ETHM121, FINA227, FINA121, FOLK227, FOLK121, MUSI227 or MUSI121.

Cross-listed with FOLK2501 This course traces the development of popular song in North America from its earliest forms, up to the development of rock and roll in the 1950's. Through topics such as parlour song, minstrelsy, jazz, country, swing and blues, the social, economic and technological forces that shaped popular song are explored in depth. The interrelationship between North American popular music and the diverse immigrant communities that helped create it is analyzed.

## **MUSI2403**

### **POPULAR MUSIC & CULTURE:1950 TO PRESENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for ETHM229, FINA229, FOLK229 or MUSI229.

Cross-listed with FOLK2503 A continuation of Popular Music and Culture I, this course surveys the development of British and North American popular song between the 1960's and the 2000's. In addition to profiling the key performers, genres, businesses and texts from the past 40 years, students are introduced to the many issues that make popular music so compelling: its role in politics, social identity, economic shifts and the technological changes. The sound and history of the music are connected to the prevailing social and cultural climate of each decade.

## **MUSI2408**

### **ROOTS MUSIC & ACOUSTIC POP**

**Credits: 3**

Cross-listed with FOLK2411 This course surveys different artists and genres which are covered under the umbrella of folk or roots music in the North American context, including but not limited to traditional country, blues, gospel, folk revival, folk-rock, zydeco, and bluegrass. The ways in which these roots styles are used to construct authenticity, advance political causes, and create or maintain cultural identities of various kinds, are explored, as are themes such as anti-modernism, "acousticity," and revivalism.

## **MUSI2409**

### **HISTORY & DEVELOPMENT OF THE SINGER -SONGWRITER**

**Credits: 3**



Cross-listed with FOLK2409 This course surveys some of the key singer-songwriters of the past 80 years, examining the musical, social, economic and cultural meanings that have been developed by different singer-songwriter archetypes. The singer-songwriter's birth in the folk revivals of the 1930's and 1960's is surveyed. The different aesthetic and ideological purposes singer-songwriters have served, from grass-roots populism, to politically-conscious activism, to individualistic/personal revelation, to art-pop convergences, are addressed. The reshaping of singer-songwriter through different genre categories (folk, blues, rock, country, alternative) is assessed.

## **MUSI2601**

### **MUSIC THEORY FOR POPULAR SONG**

**Credits: 3**

**Prerequisite:**

MUSI1101 and the equivalent of Royal Conservatory Grade 2 Rudiments. Instructors will assess students' musical theory background in the first class.

This course looks at musical practices that are used in pop, rock, jazz, soul, singer-songwriter and other forms of mass-mediated popular music. Through listening, analysis, and composition exercises, students will discover rhythmic styles (metrical structures, groove, syncopation, etc.,) tonal, modal and harmonic techniques (harmonization, tonicization, modulation), melody writing and song forms. This course also introduces students to contemporary approaches to arrangement and layering in song textures. Exercises will include musical analysis, transcripts and the composition of original music based on the concepts taught.

## **MUSI2603**

### **MUSIC THEORY FOR VERNACULAR MUSIC**

**Credits: 3**

**Prerequisite:**

MUSI1101 and the equivalent of Royal Conservatory Grade 2 Rudiments. Instructors will assess students' musical theory background in the first class.

This course explores melody, ornamentation, modality, harmony, rhythm, metrical structures and form from the perspective of North American vernacular musics, including folksong, work song, fiddle traditions, vernacular hymn singing and the blues. Students will delve deeper into the concepts taught in Experiencing Music (MUSI1101), and will analyze specific musical examples, transcribe musics, and compose their own songs and tunes. Students will develop notation skills and hand calligraphy through class and homework assignments.

## **MUSI2911**

### **CAPE BRETON FIDDLE MUSIC**

**Credits: 3**

**Prerequisite:**

Students must already be able to play fiddle or suitable Celtic instrument: assessment by instructors is required for enrolment.

**Exclusions:**

Unavailable to students with credit for MUSI251, CELT251, ETHM251, or FINA251. This course will be offered every second year.

This performance course will emphasize instruction in the Cape Breton fiddle tradition. Basic performance competency is required and will be assessed during the first class.

## **MUSI2913**

### **FIDDLE MUSIC FOR DANCING**

**Credits: 3****Prerequisite:**

Students must already be able to play fiddle or suitable Celtic instrument: assessment by instructors is required for enrollment.

**Exclusions:**

Unavailable to students with credit for MUSI253, CELT253, ETHM253, or FINA253.. This course will be offered every second year.

This course will emphasize instructions in the use of Cape Breton fiddle music performance in the dance tradition. Piano accompaniment will be a feature of this course.

## **MUSI2915**

### **EVOLUTION OF THE CAPE BRETON FIDDLE STYLE**

**Credits: 3****Prerequisite:**

Students must already be able to play fiddle, or suitable Celtic instrument: assessment by instructors required for enrolment NOTE: This course will be offered every second year.

**Note:**

This course will be offered every second year.

This course will introduce fiddlers to the development of the Cape Breton fiddle style by studying significant Cape Breton fiddlers, cultural influences (e.g., Irish, Acadian, America), the piping influence, and/or the impact of the Gaelic language on musical trends.

## MUSI2917

### CAPE BRETON FIDDLE COMPOSERS

**Credits: 3**

**Prerequisite:**

Students must already be able to play fiddle or suitable Celtic instrument; assessment by instructors required for enrolment. NOTE: This course will be offered every second year.

**Note:**

This course will be offered every second year.

This course will introduce fiddlers to major cape Breton fiddle composer (e.g., Dan R MacDonald, Donald Angus Beaton, Dan Hugh MacEachern ) and their repertoire. Students will learn to identify stylistics and compositional techniques associated with particular composers as well as features that make tunes more appropriate for listening or dancing.

## MUSI3101

### MUSICS OF THE WORLD

**Credits: 3**

**Prerequisite:**

Any 6 credits in ETHM except performance courses

**Exclusions:**

Unavailable to students with credit for MUSI205, MUSI305, ETHM205, or ETHM305.

This course provides in-depth study of a small number of non-Western musics, each studied during its own module. Music offers, in many ways, a window on society, giving us the opportunity to see how music is defined, how it is evaluated, how it is made and performed and its role within a given community. Music can be studied as a reflection of society, mirroring social and political structures, gender relations, cultural values, religious beliefs and other aspects. However, music is also an active force in the creation of society, as when it is used for protest purposes or to call upon a deity to change the community's circumstances. Students will discover how music is more than entertainment in many cultures and is instead a form of human expression that is a meaningful aspect of daily life.

## MUSI3106

### LA CHANSON TRADITIONNELLE EN AMÉRIQUE FRANÇAISE

**Credits: 3**

Crosslisted with FOLK3106 and FRNC3106. An introduction to French traditional folk song in North America with an emphasis on its evolution in Acadia, Quebec and elsewhere in French Canada, as well as

Louisiana. Students enrolled in the course as FRNC3106 must write their assignments in French. Students registered as MUSI or FOLK have the option to write their assignments in English or French.

## **MUSI3301**

### **REVIVALS & SURVIVALS: STUDYING FOLK SONGS & TRADITIONAL MUSIC**

**Credits: 3**

**Prerequisite:**

6 credits of ETHM/MUSI/FOLK (except performance courses)

Cross-listed with FOLK3301 CBU's programs in Folklore and Ethnomusicology specialize in folk and traditional music. Drawing on literature from both disciplines, as well as others, this course explores the study of this music. What exactly is folk music? Who defines it, on what basis, and with what effects? Who creates it and why? How does it travel through space and time, and how does it change as it does so? What is the value of this music and why should it be studied?

## **MUSI3511**

### **POPULAR MUSICS OF THE WORLD**

**Credits: 3**

**Prerequisite:**

Any 6 credits in ETHM, MUSI, or FOLK except performance courses.

**Exclusions:**

Unavailable to students with credit for MUSI321, ETHM321 or FOLK321

Cross-listed with FOLK3511 This course focuses on popular musics from outside the North American and British mainstream. Students will grapple with various issues relating to global popular musics, including how they circulate the world and what happens as a result of transcultural contact, how "world music" has been constructed and consumed in the West, issues of intellectual property and ownership, language choice and the role and modes of mass media.

## **MUSI3601**

### **CULTURAL TOURISM: MUSIC, HERITAGE & THE EXOTIC**

**Credits: 3**

**Prerequisite:**

Any 6 credits ETHM/MUSI/FOLK except performance courses

Cross-listed with FOLK3601 Cultural tourism is an increasingly popular type of tourism globally. But what

kind of culture is privileged and what kind of culture is avoided in tourism contexts? How does culture get staged? Do tourists experience "kitsch" or "authentic" culture? How is authenticity defined? How does the tourist context affect traditional cultural expressions and beliefs within a community? This course analyzes the "culture" in cultural tourism with an emphasis on the role of music in cultural tourism.

## **MUSI3603**

### **CULTURE, FOLK & MUSIC FESTIVALS: IDENTITY ON DISPLAY**

**Credits: 3**

**Prerequisite:**

6 credits of ETHM/MUSI/FOLK (except performance courses)

**Note:**

This course will be offered every second year.

Cross-listed with FOLK3603 Note: This course will be offered every second year. Festivals are hugely popular around the world. They provide the means for communities to showcase that which makes them unique and identifiable, including their music, food, dress, dance, and artwork. Festivals provide the opportunity to celebrate culture and identity for local residents while providing a cultural entry point for tourists. In this course, students consider festivals from a variety of perspectives, such as ritual, the carnivalesque, revivals, nationalism, identity, gender, and sexuality.

## **MUSI3605**

### **ADVANCED THEORY & ANALYSIS**

**Credits: 3**

**Prerequisite:**

MUSI2603 Music Theory for Vernacular Music or MUSI2601 Music Theory for Popular Song.

For the more advanced music student, this course looks at concepts such as voice-leading, tonicization, modulation, chord substitution and other techniques used by musicians in the classical, popular and jazz traditions. The course also explores formal analysis, looking at how musical form provides coherence in both small-scale and large-scale forms. Reading and analyses by leading-edge theorists working with classical, vernacular and popular music will help students to see the issues that arise when thinking about musical process and structures across genres. Assignments will include analysis, harmonization, and voice -leading exercises as well as a longer, in-depth analysis paper.

## **MUSI3608**

### **MUSIC & PROTEST**

**Credits: 3**

**Prerequisite:**

6 credits of MUSI (except performance courses) FOLK or POLS.

**Exclusions:**

FOLK308

Cross-listed with POLS3155 and FOLK3608 Social protest and activism are profoundly important parts of modern society, and music offers a potent means of articulating, organizing, and shaping collective efforts to challenge the status quo. In this course, we explore music in an integral dimension of human behavior with the power to move masses, to change society, and to be a weapon of political power.

## **MUSI3613**

### **MUSIC & NATIONALISM**

**Credits: 3****Prerequisite:**

Any 6 credits of ETHM/MUSI course (except performance); and/or a Political Science course.

**Exclusions:**

Unavailable to students with credit for ETHM369, FINA369 or POLS369

Cross-listed with POLS3154 This course examines how music can be a potent tool for both building nations and critiquing them. Music can express national identities, narrate national myths, and mark national borders, but it can also critique, deconstruct, and transgress. While many find it easy to accept that music reflects social beliefs and values, in this course we explore how music can be actively used to shape national ideas, principles and standards.

## **MUSI3801**

### **DIRECTED STUDY IN MUSICOLOGY**

**Credits: 3**

Requires a special arrangement between an individual student and a professor, endorsed by the Dean, to cover a topic unavailable in the regular course offerings. A student may take more than one such course for credit. See department chair for details.

## **MUSI3921**

### **PIANO PERFORMANCE**

**Credits: 1**

## **MUSI3931**

### **INSTRUMENTAL PERFORMANCE**

**Credits: 1**

**Note:**

This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses.

Note: This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses. This course label encompasses a range of styles relevant to an instrument not represented by other performance course codes; a particular style and instrument will be offered depending on the instructor and expertise available (e.g., Irish flute/whistle, Celtic accordion, Mi'kmaq powwow music) and may vary from year to year. The course provides group instruction in traditional music performance for students who already have intermediate performing abilities. A student may take more than one such course for credit so long as a different instrument and/or style is represented by each credit. Basic performance competency is required and will be assessed during the first class.

## **MUSI3941**

### **DANCE PERFORMANCE**

**Credits: 1**

This course label encompasses a range of dance styles; a particular style will be offered depending on the instructor and expertise available (e.g., Cape Breton step dance, Ottawa Valley step dance, Highland dancing) and may vary from year to year. The course provides group instruction in traditional dance performance. A student may take more than one such course for credit so long as a different dance style is represented by each credit. Note: This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses.

## **MUSI3951**

### **VOCAL PERFORMANCE**

**Credits: 1**

**Note:**

This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses.

Note: This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses. This course label encompasses a range of vocal styles; a particular style will be offered depending on the instructor and expertise available (e.g., choir, Gaelic song, Acadian song, Mi'kmaq song) and may vary from year to year. The course provides group instruction in song

performance. A student may take more than one such course for credit so long as a different type of song or vocal style is represented by each credit.

## **NASC1120**

### **NATURAL SCIENCE**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for NASC120.

Satisfies the BA Group 5 core requirement and may also be used in a Philosophy concentration or major. An introduction to the history, methodology, and moral implications of science and technology.

## **NASC9981**

### **UNSPECIFIED NATURAL SCIENCE**

**Credits: 6**

## **NRSG2101**

### **PROFESSIONAL FORMATION OF NURSING I**

**Credits: 3**

## **NRSG2201**

### **FOUNDATIONS OF NURSING I**

**Credits: 3**

## **NRSG2203**

### **FOUNDATIONS OF NURSING II**

**Credits: 3**



## **NRSG2301**

### **HEALTH & ILLNESS I**

**Credits: 3**

## **NRSG2401**

### **HEALTH PROMOTION & ASSESSMENT I**

**Credits: 3**

## **NRSG2403**

### **HEALTH PROMOTION & ASSESSMENT II**

**Credits: 3**

## **NRSG2501**

### **PATHOPHYSIOLOGY IN DIVERSE POPULATIONS ACROSS THE LIFESPAN**

**Credits: 3**

## **NRSG2503**

### **PHARMOCOTHERAPEUTICS & ALTERNATIVE THERAPIES**

**Credits: 3**

## **NRSG2901**

### **NURSING PRACTICE INTEGRATION I: FOUNDATIONAL CONCEPTS IN NURSING**

**Credits: 0**

## **NRSG2903**

### **NURSING PRACTICE INTEGRATION II: CARE OF PERSONS & FAMILIES IN TRANSITION**

**Credits: 3**

## **NRSG3101**

### **PROFESSIONAL FORMATION II**

**Credits: 3**

## **NRSG3301**

### **HEALTH & ILLNESS II**

**Credits: 3**

## **NRSG3303**

### **HEALTH & ILLNESS III**

**Credits: 3**

## **NRSG3304**

### **HEALTH & ILLNESS IV**

**Credits: 3**

## **NRSG3501**

### **NURSING RESEARCH METHODS**

**Credits: 3**

## **NRSG3900**

### **NURSING PRACTICE INTEGRATION III: ACUTE HEALTH CHALLENGES ACROSS THE LIFESPAN**

**Credits: 6**

## **NRSG3902**

### **NURSING PRACTICE INTEGRATION IV: NURSING PRACTICE OF PERSONS & FAMILIES EXPERIENCING CHRONIC ILLNESS**

**Credits: 6**

## **NRSG4101**

### **PROFESSIONAL FORMATION III**

**Credits: 3**

## **NRSG4501**

### **NURSING THEORY & PRACTICE SYNTHESIS**

**Credits: 3**

## **NRSG4900**

### **NURSING PRACTICE INTEGRATION V: SYNTHESIS OF PROFESSIONAL NURSING CONCEPTS**

**Credits: 6**

## **NRSG4902**

### **NURSING PRACTICE INTEGRATION IV: TRANSITION TO NURSING PRACTICE**

**Credits: 6**

## **NURS1101**

### **CONCEPTUAL MODEL FOR NURSING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for NURS105.

Focuses on nursing as a profession and its historical evolution to the present. Theoretical and philosophical bases of nursing are explored, with a focus on Orem's self-care theory. The role of the professional nurse is explored. Factors that influence contemporary nursing, such as legal and ethical issues, health care reform and changing health care priorities are discussed. This course introduces the philosophy and framework for nursing.

## **NURS1103**

### **HEALTH PROMOTION & LEARNING**

**Credits: 3**

**Prerequisite:**

NURS1101

**Exclusions:**

Unavailable to students with credit for NURS115.

Explores the concepts of health and wellness, health promotion, and learning within a framework of self-care theory. This course covers lifestyle issues and health behaviour within the context of the wider socio-cultural, economic, political and ecological issues which determine health. This course provides opportunities for students to reflect upon theories of health/wellness behaviour and its determinants and consequences; to develop interviewing and health assessment skills with a selected client; to develop skills in facilitating client learning about health and helping clients grow toward more positive wellness.

## **NURS1104**

### **INTRODUCTION TO NURSING**

**Credits: 3**

**Prerequisite:**

Prerequisite for nursing practice component: NURS1104.

**Exclusions:**

Unavailable to students with credit for NURS125.

Provides a foundation for nursing practice with an introduction to the theory and practice of nursing skills and techniques. The nursing process and Orem's theory of self-care are used as organizing frameworks for the course. The focus is on selected skills appropriate to meet the needs of individuals with self-care deficits. Classroom instruction and supervised nursing practice are integral components of this course.

## **NURS1104P**

### **NURSING PRACTICUM**

**Credits: 0**

## **NURS2101**

### **COMMUNITY HEALTH NURSING I: INTRODUCTION TO COMMUNITY**

**Credits: 3**

**Prerequisite:**

All First Year Nursing courses with a passing grade/average of 65%.

**Exclusions:**

Unavailable to students with credit for NURS207

This course provides an introduction to community and the two distinct branches of community health nursing: home health nursing and public health nursing. Major themes explored are: community assessment, working with older adults, group process, vulnerable groups, mental health and vulnerability, community health promotion and community health education. Community nursing practice assignments are an integral part of this course

## **NURS2103**

### **FAMILY NURSING IN THE COMMUNITY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for NURS211

This course explores the role of the nurse in facilitating the health of families within communities. Major themes in this course include family theories, family assessment, family developmental stages, local and global trends and issues for childbearing and childrearing families and growth and development of the child within the context of family. Community resources for parents and children will be explored. Nursing practice assignments are an integral part of this course.

## **NURS2104**

### **NURSING OF ADULTS I**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for NURS237.

This course provides an introduction to the theory of nursing care of adults in the acute care hospital setting in relation to homeostasis and the pathophysiological changes of the body in response to problems pertaining to fluid and electrolyte imbalance, respiratory and cardiovascular function and Diabetes. Supervised lab practice is an integral part of this course.

## **NURS2105**

### **PHARMACOLOGY IN NURSING**

**Credits: 3**

**Prerequisite:**

Unavailable to students with credit for NURS255.

This course provides an overview of the basic science of drugs. The properties of major drug families will be reviewed via a prototype and an emphasis on basic pharmacological principles. The focus throughout this course will be on the application of knowledge to client care and client education. The acquisition of skills to understand medication prescriptions and accurately calculate drug dosages is an expected outcome. A passing grade in this course is a prerequisite for NURS2990.

## **NURS2106**

### **COMPREHENSIVE HEALTH ASSESSMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for NURS275.

This theory and practice course focuses on a systematic assessment of a client's health status and the normal functions and findings related to various body systems. The emphasis of practice is on developing the assessment skills necessary to implement a comprehensive examination of body systems for the purpose of identifying self-care requisites. A practicum is provided in a lab setting. Third-year courses focus on the nursing needs of the family and are organized around the developmental stages of the life cycle and various situational crises which a family may experience.

## **NURS2990**

## **NURSING PRACTICUM I**

**Credits: 6**

**Prerequisite:**

Successful completion of all level one and two year nursing courses to date and BIOL3200.

**Exclusions:**

Unavailable to students with credit for NURS250.

An intersession course (May - June) with learning experience in selected nursing practice settings in the community

## **NURS3100**

### **LEGAL & ETHICAL ISSUES IN NURSING CARE**

**Credits: 6**

**Prerequisite:**

All first and second year Nursing courses with a passing grade/avg. of 65%.

**Exclusions:**

Unavailable to students with credit for NURS330 or PHIL330. Available to non-Nursing students only with the permission of the instructor.

Cross-listed with PHIL3130 Examines the moral and ethical implications of various practices in the field of health care as they affect human life and the basic dignity of the person. Also treats the moral, ethical, legal, and theological issues raised by recent developments in the life sciences

## **NURS3101**

### **NURSING OF ADULTS II**

**Credits: 3**

**Prerequisite:**

All first and second year Nursing courses with a passing grade/avg. of 65%.

**Exclusions:**

Unavailable to students with credit for NURS307

Nursing 3101 focuses on many health challenges encountered by adults resulting from problems originating in the hematological, peripheral vascular systems, gastrointestinal, hepato-biliary disorders, neurological disorders, gynecological disorders, renal tract disorders and renal failure, acute and chronic. Primary health care focusing on the needs of the population particularly related to health promotion and

illness prevention will be explored.

## **NURS3102**

### **NURSING RESEARCH METHODS**

**Credits: 6**

**Prerequisite:**

All first and second year Nursing courses with a passing grade/avg. of 65%.

**Exclusions:**

Unavailable to students with credit for NURS310.

The course is designed to introduce students to the research process and to quantitative and qualitative research methods related to critical appraisal of nursing and health care literature. Emphasis is placed on the student's potential role as a generator of researchable questions, as a collaborator in research related to nursing practice and as an intelligent consumer of research. Concepts of research design, implementation, analysis and interpretation are studied in the context of the steps of the research process. The course requires students to become immersed in the language and culture of research and to understand the broader context within which nursing research is conducted. For students in nursing and nursing with advanced major.

## **NURS3103**

### **NURSING OF CHILDREN**

**Credits: 3**

**Prerequisite:**

All first and second year Nursing courses with a passing grade/avg. of 65%.

**Exclusions:**

Unavailable to students with credit for NURS315.

This course is based on the philosophy and principles of family-centred care, promotion of self-care for childbearing families, promoting family-centred social changes and family empowerment. Students will explore how children and families cope with illness in childhood and adolescence and what nursing interventions children and families find helpful. A wide range of pediatric illness conditions is presented. This course involves three hours of classroom time per week for 12 weeks and 12 hours of nursing practice per week for six weeks. The nursing practice has both an illness and wellness focus and utilizes both acute care and community settings.

## **NURS3104**

### **MENTAL HEALTH NURSING**



## **Credits: 3**

### **Prerequisite:**

All first and second year Nursing courses with a passing grade/avg. of 65%.

### **Exclusions:**

Unavailable to students with credit for NURS345.

This course provides students with a comprehensive approach to mental health aspects of nursing practice. Topics include stigma and mental illness, anxiety, depression, psychosis, mania, mental health difficulties associated with food and eating, traumatic stress, substance and gambling dependency and dementia. Each issue will be considered from a socio-cultural, political, economic, historical and biophysical perspective. Students will explore principles of social justice as well as ethical and legal aspects of mental health care. The class is taught in a weekly three-hour workshop format which includes a broad variety of learning approaches. Nursing practice consists of 11 hours per week of mental health practice for a six week period during the term.

## **NURS3105**

### **PERINATAL NURSING**

## **Credits: 3**

### **Prerequisite:**

All first and second year Nursing courses with a passing grade/avg. of 65%.

### **Exclusions:**

Unavailable to students with credit for NURS355.

This course is based on the philosophy and principles of family-centred health care, promotion of self-care for childbearing families, and promoting family-centred social changes and family empowerment. Students explore philosophical, cultural, physiological, psychological, and spiritual dimensions of childbirth, postpartum adaptation, lactation, and infant care. The focus of the course is on understanding normal, healthy perinatal and neonatal experience, with an introduction to understanding a range of perinatal and neonatal complications. This course involves six hours per week of classroom instruction for 12 weeks and 12 hours of nursing practice per week for six weeks.

## **NURS3106**

### **NURSING RESEARCH METHODS**

## **Credits: 3**

### **Prerequisite:**

NURS3107 and all first and second year Nursing courses with a passing grade/avg. of 65%.

### **Exclusions:**

Unavailable to students with credit for NURS3102 or NURS310.

This course is designed to introduce students to the research process as it relates to nursing and other health disciplines. Concepts of research design, implementation, analysis and interpretation are studied in the context of the steps of the research process. The course requires students to become immersed in the language and culture of research and to understand the broader context in which nursing research is conducted. Emphasis is placed on the student's potential role as a generator of researchable questions, as a collaborator in research related to nursing practice and as an intelligent consumer of research.

## **NURS3107**

### **INTRODUCTORY STATISTICS FOR NURSING & HEALTH**

**Credits: 3**

**Prerequisite:**

NURS2990 and all first and second year Nursing courses with a passing grade/avg. of 50%.

**Exclusions:**

Unavailable to students with credit for NURS3102 or NURS310.

An introductory statistics course introducing the student to statistical principles with a nursing focus including descriptive statistics; measures of central tendency; probability distributions; populations, confidence interval, standard error; p-value and statistical inference; hypotheses testing; validity and linear regression and correlations. Examples and exercises will reflect Canadian nursing research

## **NURS4101**

### **COMMUNITY HEALTH NURSING II: POPULATION FOCUSED APPROACH**

**Credits: 3**

**Prerequisite:**

All first, second and third year Nursing courses with a passing grade/average of 65%.

**Exclusions:**

Unavailable to students with credit for NURS407.

This course explores population focused community health nursing practice. Major themes include: population health promotion, population focused nursing practice, public health nursing, populations with communicable and chronic diseases, epidemiology, immunizations, environmental health and disaster management. This course involves three hours per week of classroom instruction and 12 hours of nursing practice per week for six weeks.

## **NURS4103**

## **NURSING OF ADULTS III**

**Credits: 3**

**Prerequisite:**

All first, second and third year nursing courses, each with a minimum average of 65%.

**Exclusions:**

Unavailable to students with credit for NURS435.

Designed to provide the senior nursing student with opportunities to render comprehensive nursing care and explore concepts related to adults and older adults who are experiencing or at risk for, complex health problems such as palliative and end of life care, cancer care, musculoskeletal disorders and sensorineural disorders. Students participate in a variety of nursing practice experiences. This course involves three hours per week of classroom instruction for the term and 10-12 hours of nursing practice per week for six weeks.

## **NURS4104**

### **NURSING OF ADULTS IV**

**Credits: 3**

**Prerequisite:**

All first, second and third year nursing courses, each with a minimum average of 65%.

**Exclusions:**

Unavailable to students with credit for NURS445

A nursing practice and theoretical course designed to provide the senior nursing student with opportunities to render comprehensive nursing care and explore concepts related to adults who are experiencing, or at risk for, complex health problems associated with endocrine disorders, chest and lower respiratory disorders, integumentary disorder burns and multisystem failure. Students participate in a variety of nursing practice experiences in several different settings. This course consists of six hours per week of classroom instruction for 6 weeks and 10-12 hours of nursing practice per week for six weeks.

## **NURS4105**

### **TRENDS IN HEALTH CARE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for NURS491.

A senior nursing course which examines the evolution of health care as an organized service, with

emphasis on the development of and challenges to, nursing education and practice. While its specific focus is the Canadian health care system, the course provides exposure to the international scene, particularly health conditions and needs in the developing world. The course is designed to facilitate independent inquiry. It involves the student in consultations and a search of relevant literature.

## **NURS4106**

### **LEADERSHIP & RESEARCH IN NURSING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for NURS493.

Examines nursing theories, management models and leadership concepts and theories. Qualitative research methodologies are reviewed, with emphasis on their usefulness in exploring specific nursing problems. The focus throughout the course is the importance of the scientific foundations of nursing as a research-based practice.

## **NURS4107**

### **INDIGENOUS PERSPECTIVES ON HEALTH & HEALING**

**Credits: 3**

**Prerequisite:**

Third and Fourth year standing required.

CROSS-LISTED WITH MIKM4107 Indigenous peoples often experience greater health challenges and increased health disparities than non-Indigenous populations globally. Finding ways to enhance and expand the health and well-being of Indigenous populations through culturally-sensitive, culturally-appropriate, and culturally-safe healthcare should be a priority for those working in the healthcare sectors. This course will examine understandings of health and healing from a variety of Indigenous perspectives, with a specific focus on the Mi'kmaq of Cape Breton, in order to increase cultural awareness of how different Indigenous cultures understand and conceptualize wellness. This course will be framed around experiential hands-on learning opportunities, and will have a strong presence of guest speakers from various Indigenous perspectives and various health professionals. Planned activities are cultural talking circles, medicine walks, sweat lodges, Elder teachings, and tours of Mi'kmaq health centres on Cape Breton Island.

## **NURS4801**

### **DIRECTED STUDY & PRACTICE IN NURSING**

**Credits: 3**

**Prerequisite:**

Permission of the Nursing Program Coordinator

**Exclusions:**

Unavailable to students with credit for NURS499.

This course requires application and testing of nursing knowledge as well as knowledge from related disciplines in a nursing practice setting of the student's choice (within the limits of available resources). The student selects a faculty advisor, as well as agency staff for consultation and supervision as appropriate.

**NURS4990****NURSING PRACTICUM II****Credits: 6****Prerequisite:**

Successful completion of all fourth year nursing courses

**Exclusions:**

Unavailable to students with credit for NURS450.

The nursing practicum assists the nursing student's transition to the graduate nurse's role. The practicum consists of two preceptored nursing practice experiences (408 hours) in practice settings of the student's choice based on their learning needs and interest. In addition, the nursing practicum will provide the student with an understanding the scope and roles of registered nursing. It is expected that during the nursing practicum experiences, student will demonstrate leadership, collaboration, advocacy and critical thinking with clients, members of health care teams and peers.

**NUTR1101****COMMUNITY NUTRITION****Credits: 3****Exclusions:**

Unavailable to students with credit for NUTR101

This course gives a broad overview of nutrition with a special emphasis placed on Cape Breton. Topics include the history, psychology, economics, sociology, elementary chemistry and elementary biology of nutrition. Includes discussion of ways good nutrition can be obtained economically.

**NUTR2101****INTRODUCTION TO NUTRITIONAL ASSESSMENT OF DISEASE - THEORY****Credits: 3**

**Prerequisite:**

3 credits in a university science (Biology, Chemistry, Geology, Nutrition, Psychology, Physics or Statistics) or permission of instructor.

**Exclusions:**

Unavailable to students with credit for NUTR205

Diseases discussed are of interest to the Aboriginal and broader Cape Breton community, as such diseases impact heavily upon those communities. Topics are types I and II Diabetes, heart disease (atherosclerosis), blood pressure, stroke and kidney disease. Each of these topics is dealt with in terms of pathology and elementary nutritional biochemistry, socioeconomic factors leading to the diseases, and nutritional and related socioeconomic approaches to be taken to avoid and treat these diseases, including dietary approaches available to those at risk and identification of Aboriginal and other Cape Bretoners at risk of these diseases.

**NUTR2103****INTRODUCTION TO NUTRITIONAL ASSESSMENT OF DISEASE - APPLICATIONS****Credits: 3****Prerequisite:**

NUTR2101 or permission of instructor

**Exclusions:**

Unavailable to students with credit for NUTR207.

Various blood and other body parameters relative to the diseases covered in NUTR 2101 will be measured and the impact of nutrition on some of those parameters assessed. A field survey will be designed, implemented and analysed by students to assess the socioeconomic and nutritional factors that govern the relative degree of risk of these diseases in a chosen Cape Breton subpopulation. At the end of the course students will be able to understand the facets and importance of: a) Stated laboratory outcomes, b) Various biochemical measures, c) Experimental design and conduct and d) Data analyses and recommendations to be made to overcome risk of these diseases in Cape Breton. Course includes lab component.

**NUTR2104****INTRODUCTION TO NUTRITION****Credits: 3****Prerequisite:**

BIOL1101 and (CHEM1101 and 1103 or CHEM1104 and 1105) or permission of instructor.

**Exclusions:**

Unavailable to students with credit for NUTR261

This course conveys the fundamentals of the science of nutrition, emphasizing nutrients, their functions and dietary sources. It includes how the body handles the nutrients. Students will become familiar with recommended nutrient intakes as well as the interrelatedness of economics, culture, health and nutrition.

## **NUTR2105**

### **APPLIED NUTRITION**

**Credits: 3**

**Prerequisite:**

NUTR2104 or permission of instructor

**Exclusions:**

Unavailable to students with credit for NUTR263

This course emphasizes nutrition's role in health promotion and prevention and treatment of disease. Topics include nutritional health and food consumption trends in Canada, nutritional assessment, life-cycle nutrition, diet and chronic disease and nutritional intervention in various diseases. Alternate feeding methods and post-operative nutrition will be discussed.

## **NUTR2106**

### **PRINCIPLES OF NUTRITION IN HUMAN METABOLISM**

**Credits: 3**

**Prerequisite:**

NUTR2104 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for NUTR265.

The topics (normal human metabolism in relation to life cycle, sports nutrition, consumer concerns about foods, hunger and global food issues) are of interest, in part, to students who plan to enter their third year of the Honours BSc in Human Nutrition program at St. Francis Xavier University. Other students interested in the health sciences would find the course to be very useful in developing their understanding of nutritional biochemistry. Offered every other year: Fall 2013 and Fall 2014.

## **NUTR2107**

### **INTRODUCTION TO SPORT NUTRITION**

**Credits: 3**

**Prerequisite:**

SPHK100/1100.

Cross-listed with SPKH2107 The six nutrient classes and their basic metabolism in healthy individuals are reviewed. These six nutrient classes and their metabolism are then explained in terms of training, competition and post-competition nutrition for maximising performance in specific sports covering the aerobic, anaerobic and interval spectrum (e.g. marathon running, sprinting, basketball, soccer, hockey). The interaction of diet and genetics in sports will be discussed. Finally, sources of information on sport nutrition will be noted and assessed for their reliability.

## **NUTR2108**

### **INTRODUCTION TO NORMAL AND CLINICAL NUTRITION**

**Credits: 3**

**Prerequisite:**

BIOL1101 and (CHEM1101 and 1103 or CHEM1104 and 1105) or permission of instructor. NUTR2108 is mandatory for nursing students in their third year of the BSc.N degree programme and as such nursing students must be accommodated first. Other students may be accommodated only after third year nursing students are registered.

**Exclusions:**

Students who have credit for NUTR2104 and/or NUTR2105 cannot be given credit for NUTR2108.

The six nutrient classes and their ingestion to excretion are introduced. Canada's food guide, food labelling, dietary reference intakes, and eating well on a limited budget are discussed and related to metabolism of the six nutrient classes. This is followed by nutrition interventions for, as relevant, pre- and post-onset management of diabetes, atherosclerosis (including atherosclerotic heart disease and stroke), hypertension, congestive heart failure, renal disease, gastrointestinal disease, surgery, burns, cancer, AIDS, arthritis, dermatitis, colitis, migraine, respiratory, ulcers, and pruritis. This course includes a laboratory.

## **NUTR2108L**

### **INTRODUCTION TO NORMAL AND CLINICAL NUTRITION LAB**

**Credits: 0**

## **NUTR3701**

### **CURRENT TOPICS IN HUMAN NUTRITION**

**Credits: 3**



**Prerequisite:**

NUTR2104 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for NUTR361.

This course deals with current issues in human nutrition including osteoporosis, atherosclerosis, diabetes, cancer, arthritis, atopic dermatitis and physical activity. Other topics discussed are dietary reference intakes, genetically modified foods, world food supply, food labelling debates, the use of the Internet and successes and failures in current nutrition research. Normally offered every other year.

**PETR1131****PETROLEUM PRODUCTION & PROCESSING****Credits: 3****Exclusions:**

Unavailable to students with credit for PETR112.

Fundamental concepts of petroleum development from discovery techniques, production and processing, to transportation and marketing. Focus on east coast offshore oil and gas exploration and production.

**PETR1161****DRILLING ENGINEERING****Credits: 3****Exclusions:**

Unavailable to students with credit for PETR132

Designed to acquaint the petroleum engineering technology students with the techniques, equipment and engineering design considerations and calculations used in the oil and natural gas well drilling operations. Laboratories.

**PETR2131****MARINE ENVIRONMENT PROTECTION, SAFETY, & LOSS CONTROL****Credits: 3****Exclusions:**

Unavailable to students with credit for PETR221.

A study of the sources, characteristics, environmental effects and regulatory aspects of material/product control and the impact on the marine environment.

## **PETR2134**

### **MATERIALS & EQUIPMENT DESIGN**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PETR350.

A study of the materials selection process for equipment used in gas and oil operations. Corrosion mechanisms and inhibition methods are covered. Codes, standards and applicable specifications are presented, along with their applications.

## **PETR2135**

### **PRODUCTION ENGINEERING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PETR380.

Designed to acquaint petroleum engineering technology students with the techniques, equipment, and engineering design considerations and calculations used in the oil and natural gas production operations. Laboratories and hands-on application employing petroleum engineering software packages that are popular in the industry.

## **PETR2161**

### **RESERVOIR ENGINEERING**

**Credits: 3**

**Prerequisite:**

GEOL2101 and ENGI1168

**Exclusions:**

Unavailable to students with credit for PETR211.

Examination of characteristics of hydrocarbon bearing reservoirs. Calculation of porosity and permeability, coring and core properties. Determination of hydrocarbon in place and reservoir drive mechanisms.

## **PETR2163**

### **PETROLEUM PROCESS SIMULATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PETR310

Utilization of simulation software to model process operation and examine the effects of variation of process conditions. Equipment and process characteristics are emphasized.

## **PETR2164**

### **ADVANCED PROCESS SIMULATION**

**Credits: 3**

**Prerequisite:**

PETR2163.

**Exclusions:**

Unavailable to students with credit for PETR340.

Utilization of simulation software to model process operation and examine the effects of variation of process conditions. Concentration on unit operations and production variation models.

## **PETR2165**

### **PETROLEUM PROJECT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PETR370

A multidisciplinary course that involves the student to prepare a complete evaluation of a petroleum project including technical issues, regulatory issues, economic payback and presentation.

## **PETR2731**

### **SELECTED TOPICS IN PETROLEUM**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PETR300

This course provides a forum for directed study on a number of issues and concerns within the petroleum industry. Faculty as well as guest lecturers from academia, industry and government, will address students on pertinent topics and developments. Site visits and visual presentations on student exercises will supplement these seminars.

**PETR3101****PETROLEUM ECONOMICS & PROJECT MANAGEMENT****Credits: 3****Prerequisite:**

ECON2101 or ECON2103

This course will introduce the student to Project Management with an accent on Economics for the Petroleum Industry. This course is tailored for the student desiring an understanding of the relationship between the energy sector and the wider economy. Topics to be covered include Risk Analysis, Project Management, Decision making, Procurement, Quality Management, Project software e.g. (MS Project), Planning, time management, and Netback calculations. Students will obtain the knowledge to determine if a well field is viable and sustainable in a constantly changing world market.

**PETR3101L****PETROLEUM ECONOMICS & PROJECT MANAGEMENT LAB****Credits: 0****PETR3131****MANAGEMENT OF TECHNOLOGICAL INNOVATION I****Credits: 3****Exclusions:**

Unavailable to students with credit for PETR426 or ENVI426

Cross-listed with ENVI3134 This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied. Petroleum case studies. Matched with PETR3161

**PETR3133**

## **PROJECT DESIGN & EVALUATION TECHNIQUES**

**Credits: 3**

**Prerequisite:**

PETR1131.

**Exclusions:**

Unavailable to students with credit for PETR446

This course requires the student to design, evaluate and present a petroleum project. The report will cover technical, operational, scheduling, regulatory and economic issues. A written and oral presentation of the study will be conducted.

## **PETR3134**

### **CODES & SPECIFICATIONS IN THE PETROLEUM INDUSTRY**

**Credits: 3**

**Prerequisite:**

PETR1131.

**Exclusions:**

Unavailable to students with credit for PETR447.

Examination and background information on code jurisdiction and interpretation of standards and specifications relevant to the petroleum industry. API, ASME, ANSI and CSA codes are included.

## **PETR3161**

### **MANAGEMENT OF TECHNOLOGICAL INNOVATION II**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PETR427 or ENVI427.

Cross-listed with ENVI3165 This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied. Petroleum case studies. Matched with PETR3131.

## **PETR3163**

### **PROCESS CONTROL & OPTIMIZATION SYSTEMS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for PETR436.

Detailed examination of petroleum production characteristics and fluid properties. Study of measurement and interface equipment. Detailed simulation experiments with production and equipment variation.

## **PETR3164**

### **DISTRIBUTED CONTROL SYSTEMS AND PROGRAMMABLE LOGIC CONTROLLERS**

## **Credits: 3**

### **Prerequisite:**

PETR3163.

### **Exclusions:**

Unavailable to students with credit for PETR437

Study of measurement, control and electronic interface equipment. Criteria for selection and implementation of DCS and PLC equipment.

## **PETR4101**

### **HEALTH SAFETY & ENVIRONMENTAL ISSUES IN THE PETROLEUM INDUSTRY**

## **Credits: 3**

### **Prerequisite:**

PETR3164 or ENVI3138

May be used as technical elective for the BET Environmental Studies programme. The course will focus on the prevention and remediation of the adverse environmental impacts of petroleum operations and the methods to avoid hazards associated with compromised health and safety standards. The course is given within the context of the Canadian regulatory environment and the health and safety standards within the petroleum industry. Some of the issues discussed are blow out prevention, fire and chemical hazards, oil spill prevention and clean up, hydrate formation and decomposition, toxic gases including H<sub>2</sub>S, confined space entry, handling and safe transportation and disposal of petroleum wastes, environmental impact assessment, health safety and environmental within the petroleum industry.

## **PETR4101L**

### **HEALTH SAFETY & ENVIRONMENTAL ISSUES IN THE PETROLEUM INDUSTRY LAB**

**Credits: 0**

## **PETR4103**

### **SUB-SURFACE PRODUCTION OPERATIONS**

**Credits: 3**

**Prerequisite:**

PETR3164 and GEOL3103

This course will enable the student to gain experience in methods of enhancing well productivity within optimum technical conditions, the utilization of subsurface data from geological and engineering sources. The student will also be able to forecast production rates. Students will learn to identify the main subsurface components, their functions, strengths, weaknesses and interfaces from the well to the production facility. The course provides insight into the basic well logging methods that are employed to derive petro-physical properties for hydrocarbon exploration and production. Students will understand the methodology for selection and use of chemicals to maintain production while controlling: corrosion, emulsions, foaming, mineral scales, paraffin build up (waxes), and the development of asphaltene.

## **PETR4103L**

### **SUB-SURFACE PRODUCTION OPERATIONS LAB**

**Credits: 0**

## **PETR4104**

### **ADVANCED DRILLING & WELL COMPLETION**

**Credits: 3**

**Prerequisite:**

PETR3133

This course is designed to provide training in the application of drilling to effect efficient and economic drilling practices as well as solutions to drilling problems encountered during well planning and drilling cooperation. This course covers the fundamental principles of the design and evaluation of well completion, casing design in various loading condition with various down-hole situations; ;placement of casing, liners and well tubing; cementing techniques; perforation techniques; gravel packing; sand control and measurement, use of different sand control devices; fundamentals of fracturing including acid fracturing and hydraulic fracturing; and matrix acidizing.

## **PETR4104L**

## **ADVANCED DRILLING & WELL COMPLETION LAB**

**Credits: 0**

## **PETR4105**

### **PETROLEUM THERMODYNAMICS**

**Credits: 3**

**Prerequisite:**

MATH2104 and CHEM1401

This course will focus on Petroleum application using classical thermodynamic considerations. Fundamental concepts introduced include work, heat, heat capacity, internal energy, enthalpy and entropy along with the 1st and 2nd Laws of Thermodynamics. These concepts will be utilized in the development of material and energy analysis on non-reactive open and closed processes. Steam tables and complementary thermodynamic data will be used extensively in these analyses. Ideal thermodynamic processes will be examined with an emphasis placed on thermodynamic cycles. Equations of state and phase equilibria will also be included.

## **PETR4105L**

### **PETROLEUM THERMODYNAMICS LAB**

**Credits: 0**

## **PETR4161**

### **ADVANCED RESERVOIR ENGINEERING**

**Credits: 3**

**Prerequisite:**

PETR2161 and GEOL3103

This course is a continuation of materials taught in PETR2161 (Reservoir Engineering) and GEOL3103 (Petroleum Geology). The course offers the student an in-depth description of the theory of transient flow analysis and treatment of unconventional reservoirs. Topics covered include Modern Decline Curve Analysis, Type Curve Analysis, Gas and Water Coning, Unconventional Reservoirs, Gas well testing, Optimization, Horizontal Wells and Shale Gas.

## **PETR4161L**



## **ADVANCED RESERVOIR ENGINEERING LAB**

**Credits: 0**

## **PHIL1101**

### **KNOWLEDGE & REALITY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL100.

Classic and Modern Texts will be read dealing with questions about God, reality, truth, the soul, mind and freedom of the will.

## **PHIL1103**

### **CRITICAL THINKING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL115.

Skills are developed in recognizing mistakes in reasoning and constructing good arguments.

## **PHIL1104**

### **GREEK PHILOSOPHY: AN INTRODUCTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL132.

Students will be introduced to Philosophy through the study of some works of Plato and Aristotle focusing on the nature of reality and of virtue.

## **PHIL1105**

### **PHILOSOPHY & THE MEANING OF LIFE**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for PHIL203

Novels, plays, short stories and philosophical essays by modern writers (Dostoyevsky to Sartre) will be used to explore the classic philosophical question: What gives human life a deep meaning?

## **PHIL2103**

### **PHILOSOPHIES OF LOVE, SEX, & FRIENDSHIP**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for PHIL205

What is love? How is it different than friendship? What, if any, relationships obtain between these concepts and sex? What differentiates morally acceptable from unacceptable sexual behaviour? These and other related questions will be explored through historical and contemporary readings.

## **PHIL2104**

### **SCIENCE, KNOWLEDGE, AND PROOF**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for NASC1120.

This course assists students in understanding the history and methodology of science how scientific knowledge is achieved, and addresses such questions as ; Is science a privileged form of knowledge, or is it just one 'way of knowing' among others? Are scientific claims 'proven' ? What do we mean by 'proof'?

## **PHIL2105**

### **FEMINIST PHILOSOPHY**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for PHIL207

This course will explore philosophy and values from a variety of feminist perspectives. It will investigate theories about women's "nature," political goals, ethics and art.

## **PHIL2107**

### **ENVIRONMENTAL ETHICS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL221.

A study of moral issues regarding the environment, overpopulation, animal rights, endangered species and the sublime in nature.

## **PHIL2109**

### **THE EXISTENCE OF GOD**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL223 or RELS223

Cross-listed with RELS2109 The question concerning the existence of God is perplexing, since it arises in history but points to a reality beyond history. What can we know about God?

## **PHIL2111**

### **MEDICAL ETHICS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL225, PHIL330 or NURS330.

May not be taken in place of NURS3100 or PHIL3130 in BSc Nursing. Long-standing moral controversies such as abortion and euthanasia will be examined, along with other issues including patient/doctor relationships, health-care allocation and organ donation.

## **PHIL2113**

### **DEBATING ARTISTIC VALUES**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for PHIL231.

Why is the colourization of movies controversial? What is wrong with a forgery? Why do we feel sad (or happy) for fictional characters in plays, movies and novels? What is conceptual art? These and other issues will be explored through readings and other media.

## **PHIL2114**

### **HISTORY & PHILOSOPHY OF SCIENCE**

## **Credits: 3**

### **Prerequisite:**

6 credits of Philosophy

### **Exclusions:**

Unavailable to students with credit for PHIL321

This course will provide students with a better understanding of the nature of the scientific process by discussing such topics as explanation, the nature of scientific theory, observation, progress in science and scientific realism. It will also examine recent feminist and social constructivist critiques of science.

## **PHIL2115**

### **ETHICS AND THE LAW**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for PHIL235.

An examination of alternative views of the law and of areas within the law in which philosophical issues arise. Issues to be studied include: Law's relation to morality, social practice and politics; liberty; liability and responsibility; punishment and rights.

## **PHIL2117**

### **BUSINESS ETHICS**

## **Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL237

Do moral principles govern business activity? This question is studied through a series of contemporary issues which will be of interest to BA, BACS and, especially BBA students.

**PHIL2119****MOVIES AND MORALS****Credits: 3****Exclusions:**

Unavailable to students with credit for PHIL239 or FINA239

This course is concerned with the way movies have used the possibilities of the medium to both reflect and shape twentieth century moral conventions. Complete movies will be viewed

**PHIL2121****CONTEMPORARY ISSUES IN PHILOSOPHY OF EDUCATION****Credits: 3****Exclusions:**

Unavailable to students with credit for PHIL241.

A set of contemporary issues in secondary and post-secondary education will be studied. This course will be of special interest to students planning or having practical experience in education.

**PHIL2123****WORLD VIEWS AND VALUES****Credits: 3****Exclusions:**

Unavailable to students with credit for PHIL251.

An introduction to philosophical questions based on writings from some of the major world belief systems: Western, Hindu, Chinese and Muslim.

**PHIL2125**

## **DEATH & DYING: DYING & VALUES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL257 or RELS257

Cross-listed with RELS2125 Death as a process of life. Cardiac, whole brain and higher brain definitions of death. Interdisciplinary perspectives. Moral standing and ethical principles. Death condemnation and embalming. DNR and DNH orders, transplants and living wills.

## **PHIL2127**

### **DEATH & DYING: DYING, HEALING, & AGEING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL259 or RELS259.

Cross-listed with RELS2127 Heidegger, Sartre and Marcel on the nature of death. Healing techniques: good and bad grief. Ageing as a process. The metaphysical structure of death as such (what death is like to the dead).

## **PHIL2129**

### **SPIRITUALITY & HEALTH**

**Credits: 3**

**Exclusions:**

Available to non-nursing students only with the permission of the instructor. Unavailable to students with credit for PHIL265 or RELS265.

Cross-listed with RELS2129 Required for all students in the BSc Nursing Program. This course introduces students to the links between spirituality, medicine, disease and illness as they relate to health and healing techniques throughout the lifespan. Health arises at the intersection of these links. The course is directed toward students in the nursing program, though other students may enroll with permission of the instructor.

## **PHIL2131**

### **RELIGION & HEALTH**

**Credits: 3**

**Prerequisite:**

PHIL2129

**Exclusions:**

Available to non-nursing students only with the permission of the instructor. Unavailable to students with credit for PHIL267 or RELS267.

Cross-listed with RELS2131 Required for all students in the BSc Nursing Program. This course introduces students to the links between religion, culture and health. The major world religions offer guidance on how to live harmoniously with self, others and the environment, thereby playing a focal role in health issues. The course is directed toward students in the nursing program, though other students may enroll with the permission of the instructor.

**PHIL2137****CANADIAN POLITICAL VALUES****Credits: 3****Prerequisite:**

6 credits of 1000 level Political Science or permission of Instructor

**Exclusions:**

Unavailable to students with credit for PHIL215 or POLS215.

Cross-listed with POLS2105 Our national experience has led Canadian thinkers to develop distinctive political philosophies. We explore their work with an eye to the contemporary scene in Canada.

**PHIL2208****PHILOSOPHY, ETHICS & SPORT****Credits: 3**

Cross-listed with SPHK2208 This course addresses sport from philosophical and moral perspectives to enrich our understanding of sport from the perspectives of practitioners, coaches, referees, and marketers of sport.

**PHIL2221****SCIENCE & SOCIETY****Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL2222.

An introduction to the moral, social and political implications of science; and of the influences exerted upon science by the social context within which it operates.

**PHIL2222****SCIENCE, TECHNOLOGY, & HUMAN AFFAIRS****Credits: 6****Prerequisite:**

6 credits of Philosophy

**Exclusions:**

Unavailable to students with credit for PHIL222. Highly recommended for BSc students.

This course is intended to help students reflect on the nature of science and technology and their impact on human affairs.

**PHIL2223****TECHNOLOGY & SOCIETY****Credits: 3****Exclusions:**

Unavailable to students with credit for PHIL2222

This course is intended to help students reflect on the nature of technology, its impacts and their ethical responsibilities regarding their technological activities.

**PHIL3130****ETHICAL & LEGAL ISSUES IN NURSING****Credits: 6****Exclusions:**

Available to non-Nursing students only with the permission of the instructor. Unavailable to students with credit for PHIL330 or NURS330.

Cross-listed with NURS3100 Examines the moral and ethical implications of various practices in the field



of health care as they affect human life and the basic dignity of the person. Also treats the moral, ethical, legal and theological issues raised by recent developments in the life sciences.

## **PHIL3151**

### **FOUNDATIONS OF POLITICAL THOUGHT**

**Credits: 3**

**Prerequisite:**

6 credits of Philosophy.

**Exclusions:**

Unavailable to students with credit for PHIL301 or POLS301.

Cross-listed with POLS3151. The principles underlying political systems will be studied historically: Plato's criticism of democracy, Machiavelli's ideas on leadership, the concept of social contract and Marx and Hegel's dialectical view of history.

## **PHIL3153**

### **IN SEARCH OF THE JUST SOCIETY**

**Credits: 3**

**Prerequisite:**

6 credits of Philosophy.

**Exclusions:**

Unavailable to students with credit for PHIL303 or POLS303

Cross-listed with POLS3153 This course examines concepts of justice, human rights, freedom, democracy and gender equality in contemporary liberal, feminist, and human rights writings of the twentieth century.

## **PHIL3154**

### **FEMINIST PHILOSOPHICAL THEORY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PHIL359.

This course provides a historically progressive discussion of feminist philosophical theory. Its aim is to

articulate the complexities of how feminist philosophy can identify and respond to interconnected forms of oppression within contemporary, often multicultural societies.

## **PHIL3155**

### **ETHICS I**

**Credits: 3**

**Prerequisite:**

6 credits of Philosophy

**Exclusions:**

Unavailable to students with credit for PHIL305.

The major theories of classical and modern ethics will be critically examined and the concepts underlying problems in applied ethics studied: free will, reason and emotion and good and evil.

## **PHIL3157**

### **ETHICS II**

**Credits: 3**

**Prerequisite:**

6 credits of Philosophy.

**Exclusions:**

Unavailable to students with credit for PHIL307.

Has there been progress in ethical theory? Many of the same concepts studied in 3155 will be examined, but from the point of view of contemporary ethical theories

## **PHIL3201**

### **RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (TO 1600)**

**Credits: 3**

**Prerequisite:**

6 credits of Philosophy, HIST1100 or 6 credits of Humanities

**Exclusions:**

Unavailable to students with credit for PHIL353, HIST353, or RELS353.

Cross-listed with HIST3201 and RELS3153 This course examines ideas about religious intolerance, toleration, and liberty, from antiquity to the sixteenth century. Students will read and discuss important texts. Historical, theological and philosophical perspectives will be introduced.

## **PHIL3203**

### **RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (FROM 1600)**

**Credits: 3**

**Prerequisite:**

PHIL3201.

**Exclusions:**

Unavailable to students with credit for PHIL355, HIST355, or RELS355

Cross-listed with HIST3203 and RELS3155 A continuation of PHIL3201. The seventeenth century worked out ideas presented during the Reformation, while the Enlightenment launched an all-out assault on bastions of intolerance. Modern approaches, theological, and philosophical, along with contemporary declarations, e.g. United Nations and Vatican II, will also be read.

## **PHIL4102**

### **MEDIEVAL PHILOSOPHY**

**Credits: 6**

**Prerequisite:**

12 credits of Philosophy

**Exclusions:**

Unavailable to students with credit for PHIL420.

This course examines the main themes of medieval philosophy in a historical context: St. Augustine, through St. Thomas Aquinas, to William of Occam

## **PHIL4110**

### **MODERN PHILOSOPHY**

**Credits: 6**

**Prerequisite:**

12 credits of Philosophy

**Exclusions:**

Unavailable to students with credit for PHIL480 and PHIL380.

Required course for Philosophy majors. This course examines the writings of the major philosophers of the seventeenth and eighteenth century (Descartes to Kant) with an emphasis on metaphysics and epistemology.

**PHIL4112****NINETEENTH CENTURY PHILOSOPHY****Credits: 6****Prerequisite:**

12 credits of Philosophy

**Exclusions:**

Unavailable to students with credit for PHIL490 or PHIL 390

English philosophy in the nineteenth century emphasized utilitarianism and idealism, Germans thought about history and irrationality and the Americans invented pragmatism. Topics will be drawn from these themes.

**PHIL4120****LOGIC AND THE ANALYTIC TRADITION****Credits: 6****Prerequisite:**

12 credits of Philosophy.

**Exclusions:**

Unavailable to students with credit for PHIL412 or PHIL 312.

Required course for Philosophy majors. As well as introducing students to the elements of symbolic logic, this course examines the main thinkers of the Analytic Tradition, one of the main traditions in twentieth century philosophy.

**PHIL4122****THE CONTINENTAL PHILOSOPHICAL TRADITION****Credits: 6**

**Prerequisite:**

12 credits of Philosophy.

**Exclusions:**

Unavailable to students with credit for PHIL440

Nietzsche, Heidegger, Sartre, Foucault and others engaged in unique explorations of human consciousness, bodily life and language. These topics will be studied in the broad context of twentieth century intellectual life.

**PHIL4130****CONTEMPORARY READINGS IN SOCIAL JUSTICE****Credits: 6****Prerequisite:**

12 credits of Philosophy

**Exclusions:**

Unavailable to students with credit for PHIL450.

What is a just society? This course examines the contemporary philosophical debate over this most important question as it relates to the ideals of liberty, equality and economic efficiency

**PHIL4800****DIRECTED STUDY IN PHILOSOPHY****Credits: 6****Prerequisite:**

12 credits of Philosophy.

Serious philosophy students may pursue, on a tutorial basis, a custom-made course. This will permit the student to study a particular topic in depth at an advanced level.

**PHYS1101****ELEMENTS OF PHYSICS I****Credits: 3****Prerequisite:**

Grade 12 Physics and Mathematics is recommended.

**Exclusions:**

Unavailable to students with credit for PHYS113, 121, 1104, or 110.

This is an algebra-based physics course designed for students in a life science or technology program. Mechanics, including kinematics, vectors, Newton's laws, circular motion, momentum and energy are covered.

## **PHYS1102**

### **ELEMENTS OF PHYSICS**

**Credits: 6**

**Prerequisite:**

Unavailable to students with credit for PHYS110

An algebra-based physics course designed for students in a life science program. The course introduces mechanics, waves, electricity, magnetism, optic, and modern physics.

## **PHYS1104**

### **GENERAL PHYSICS I**

**Credits: 3**

**Prerequisite:**

Grade 12 Academic Mathematics. Grade 12 Academic Physics is recommended.

**Corequisite:**

Students must have already taken or must simultaneously take MATH1105 or MATH1101

**Exclusions:**

Unavailable to students with credit for PHYS121.

A calculus-based physics course designed for students intending to take further physics or engineering. The course introduces mechanics.

## **PHYS1201**

### **ELEMENTS OF PHYSICS II**

**Credits: 3**

**Prerequisite:**

PHYS1101 or PHYS1104

**Exclusions:**

Unavailable to students with credit for PHYS, 115, 1204, or 110.

**Note:**

NOTE: This pair of courses replaces PHYS 110 (6 credits) with two 3 credit courses.

This is an algebra-based physics course designed for students in a life science or technology programs.

## **PHYS1204**

### **GENERAL PHYSICS II**

**Credits: 3**

**Prerequisite:**

PHYS1104 and one of MATH1101 or 1105

**Exclusions:**

Unavailable to students with credit for PHYS121, 122.

A calculus-based physics course designed for students intending to take further physics or engineering. The course introduces waves, electricity, magnetism, optics, and modern physics. It is recommended that students take MATH1206 concurrently

## **PHYS2101**

### **CHEMICAL THERMODYNAMICS**

**Credits: 3**

**Prerequisite:**

CHEM1105 and MATH1206.

**Exclusions:**

Unavailable to students with credit for CHEM201.

Cross-listed with CHEM2201 The theoretical basis of the fundamental principles of chemistry will be discussed. The emphasis is on derivations and the physical meaning of these. Topics include thermodynamics, solutions and phase equilibria. Students will be introduced to data handling by computer. Course includes lab component

# **PHYS2201**

## **OPTICS**

**Credits: 3**

**Prerequisite:**

PHYS1204, MATH1206

**Exclusions:**

Unavailable to students with credit for PHYS231.

Introduction to optics with an emphasis on topics relevant to chemists and engineers. Topics will include geometric optics (lenses and curved mirrors), analysis of light as a wave, polarization, Fresnel equations for reflection and transmission of light, optical instrumentation, diffraction, Fourier analysis lasers and optical properties of materials.

# **PHYS3201**

## **STATISTICAL MECHANICS**

**Credits: 3**

**Prerequisite:**

PHYS 1204, CHEM 2203 or ENGI 2164

**Exclusions:**

Unavailable to students with credit for PHYS351.

The main objective of this course is to provide students with an understanding of the connections between the microscopic (atomic scale) behaviour of physical systems and the macroscopic (on or near the scale of people) behaviour of physical systems. This is a two-way relationship. Our (sometimes experimental) knowledge of the atomic scale can allow us to predict properties of materials. Similarly, our (usually experimental) knowledge of the properties of materials can allow us to probe the properties of the atoms in those materials. Attention will be given to the kinetic theory of gases, which allows us to predict and extend the ideal gas law that students will have encountered in other courses. Students will also explore how these same approaches can lead to an understanding of magnetic systems, the physical properties of crystals and absorption and emission of light by hot objects.

# **POLS1101**

## **POLITICS, LAW AND SOCIAL JUSTICE: CDN PERSPECTIVES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS100 or POLS1100



This course offers an engaged introduction to Canadian politics by examining how power operates in our contemporary society. The course studies the nature of Canadian democracy by evaluating the function and importance of such competing influences as the rule of law, ethics, economic interests, citizenship engagement, political parties and pressure groups.

## **POLS1103**

### **POLITICS, LAW AND SOCIAL JUSTICE: INT'L PERSPECTIVES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS100 or POLS1100

This course offers an engaged introduction to international politics by considering how social justice, international law and power interact. The course studies such topics as development, economic globalization, human rights and environmental sustainability and examines the political and economic roles, functions and limitations of key institutions that govern these areas.

## **POLS2102**

### **BASICS OF CANADIAN POLITICS & GOVERNMENT**

**Credits: 6**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS250 or POLS150.

The description, explanation and analysis of the major governmental and socio-political forces present at all levels of the Canadian political system.

## **POLS2103**

### **PARTIES, ELECTIONS, AND DEMOCRACY**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS273.

Political parties in Canada, elections and voting patterns and the impact of citizen participation on the quality of democracy.

## **POLS2104**

### **HUMAN RIGHTS IN CANADA**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS297.

A study of the evolution of Canadian policy in the areas of human rights legislation, anti-hate laws, multiculturalism, First Nations self-government and employment equity.

## **POLS2105**

### **CANADIAN POLITICAL VALUES**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS215 or PHIL215.

Cross-listed with PHIL2137 Our national experience has led Canadian thinkers to develop distinctive political philosophies. The course explores their work with an eye to the contemporary scene in Canada.

## **POLS2110**

### **INTRODUCTION TO CANADIAN PUBLIC ADMINISTRATION**

**Credits: 6**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS222.

This course offers a lively introduction to the manner by which political power is exercised in this country by governments. The course will address issues of the democratic mandate, the setting of public policy, the structure and working of government institutions, public participation in government and government accountability.

**POLS2111****THE NEW SOCIAL MEDIA: POLITICS AND COMMUNICATION IN THE 21ST CENTURY****Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS223.

This course will examine the nature of media and its impact on society, politics, governments, policy and the way people think about social, economic and political power in modern society.

**POLS2112****MI'KMAQ GOVERNMENT****Credits: 6****Exclusions:**

Unavailable to students with credit for POLS240 or MIKM240.

Cross-listed with MIKM2220 Examines the history of Mi'kmaq traditional leaderships. Indigenous self-governments in Canada will be used as a framework for discussion.

**POLS2113****PUBLIC POLITICAL OPINION AND THE MEDIA****Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS225

The formation and articulation of political opinion as it is influenced by the media, the political system, government and mass communications in Canada.

**POLS2114****SCANDALS, CORRUPTION, & LIES: POWER, POLITICS, & MORALITY****Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS227

A close study of ethics and morals within public life, how and why politics and government are so often tainted with scandal and how ethical standards of political life can be improved. Much of the course will focus on both historical and current case studies.

**POLS2115****FAMILY POLICIES IN CANADA****Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS235.

A study of evolving policies and laws in Canada that deal with changing family trends and increasing pressures on the family. Policies include the regulation of divorce, custody and child support, day care and parental leave, social assistance and economic supports and protection against domestic violence and abuse.

**POLS2116****WHO'S IN CHARGE?: EXPOSING GOV'T-BUSINESS RELATIONS IN CANADA****Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS263 or BUSS272.

Cross-listed with MGMT2101 The relationship between business and government in Canada is a complex, fluid one that is little understood. Understanding that relationship is vitally important, however, because it affects how we live and work as Canadians. This course examines the historical relationship between government and business. A large part of that examination will focus on how that relationship determines what governments will and won't do when it comes to making decisions in areas such as education, health care, personal and corporate taxes, economic development and foreign policy. This course is of equal interest to business and political science students.

**POLS2117****CHILDREN'S RIGHTS****Credits: 3****Exclusions:**

Unavailable to students with credit for POLS279, POLS395, PSYC279 or PSYC395.

This course brings together perspectives from law and public policy and from developmental psychology to study the rights of the child. Using the framework of the UN Convention of the Rights of the Child, the course examines current Canadian policies and practices in areas such as child poverty, protection from abuse and neglect, child care, and protection from corporal punishment and violence against children.

**POLS2118****CANADIAN PUBLIC ADMINISTRATION****Credits: 3****Prerequisite:**

POLS1101 and POLS1103 or POLS1110

**Exclusions:**

Unavailable to students with credit for POLS2110

This offers an introduction to the nature and working of the Government of Canada. Critical attention is devoted to ideas and ideology relating to the role of the state and how the Canadian federal government is organized. The evolution of power relations between prime ministers, ministers and senior public servants will be emphasized.

**POLS2119****CANADIAN PUBLIC SECTOR MANAGEMENT**

## **Credits: 3**

### **Prerequisite:**

POLS1101 and POLS1103 or POLS1110

### **Exclusions:**

Unavailable to students with credit for POLS2110

This offers an introduction to key issues in public sector management in Canada. With a focus on the federal government, critical attention is devoted to systems in financial management, human resources management, ethics, accountability and public sector leadership.

## **POLS2120**

### **AN INTRODUCTION TO UNITED STATES GOVERNMENT & POLITICS**

## **Credits: 6**

### **Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

### **Exclusions:**

Unavailable to students with credit for POLS230.

Examines the basic institutions of the US government: the role and powers of the president, the congress, the judicial system, the media and the political parties and interest groups.

## **POLS2121**

### **THE POLITICS OF SOCIAL DIVISION: RACE, GENDER, & CLASS**

## **Credits: 3**

### **Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

### **Exclusions:**

Unavailable to students with credit for POLS275.

This course examines race, gender and class as they affect domestic and international politics. Particular attention will be paid to how these categories of social division have shifted over time and how the new politics of globalization may provide both challenges and opportunities for deepening equality and justice.

## **POLS2123**

## **CONTEMPORARY US FOREIGN POLICY**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS289.

This course introduces students to contemporary debates on where power lies in the US foreign policy making process. The course then examines salient case studies to understand distinct explanations on the roles that power, ethics and law play in the process of contemporary US foreign policy making

## **POLS2131**

### **TERRORISM SECURITY POLICY AND THE NEW WORLD (DIS)ORDER**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS267.

Probes the nature of security policy, at home and abroad and the threat posed to peace and order by both domestic and international terrorism. Includes discussion of the nature of terrorism, its origins and the means by which it is fought.

## **POLS2133**

### **WAR AND PEACE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS269.

This course will offer an in-depth study of the nature of war, its origins and evolution, military strategy and the impact of war on individual soldiers and citizens through to entire states and ultimately the entire world. The nature of peace, the building blocks of peace and international harmony and the ways and means of ending wars and promoting peace through peacekeeping and peacemaking will also be examined.

## **POLS2134**

### **SOUTH OF THE BORDER: CANADIAN, US, & LATIN AMERICA RELATIONS**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS281.

This course offers a critical overview and analysis of the political, economic, social and cultural relations, exchanges, tensions and opportunities existing between Latin America and her North American neighbours.

## **POLS2135**

### **RICH NATIONS AND POOR NATIONS: THE IMPACT OF GLOBALIZATION**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS285.

This course explores the interlocking nature of development and underdevelopment from an international perspective.

## **POLS2136**

### **INTERNATIONAL POLITICS OF THE ENVIRONMENT**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of the instructor.

**Exclusions:**

Unavailable to students with credit for POLS291.

Situates environmental issues within the structures and processes of the international system. This course will have an environmental ethics/philosophy component to assist with the establishment of the



"roots of the problem".

## **POLS2140**

### **LAW & SOCIETY**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for POLS212, POLS112, ECON212 or ECON112.

Cross-listed with ECON2140 This course provides an introduction to the study of law, government and the economy. It provides an understanding of leading social, political and economic issues and the impact of these issues on our life.

## **POLS2141**

### **CRIMINAL JUSTICE**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS245.

This course examines Canada's criminal justice system and policies in such areas as policing, sentencing, corrections, early release, and parole. We also examine issues of gun control, capital punishment, racial profiling, penal populism, police accountability, and justice for women and minorities.

## **POLS2143**

### **ISSUES IN CRIMINAL JUSTICE AND PUBLIC POLICY**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS247.

This course is a study of major problems and issues in the Canadian criminal justice system including youth crime, youth justice, restorative justice, and the sentencing of young offenders. We also examine

the case of female and Aboriginal offenders and recent initiatives in the field of crime prevention.

## **POLS2144**

### **FAMOUS TRIALS: THE ADMINISTRATION OF JUSTICE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS271.

A close study of landmark cases in the development of the theory and practice of justice in the Western world.

## **POLS2160**

### **QUALITATIVE RESEARCH METHODS IN SOCIAL SCIENCE**

**Credits: 6**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology or Political Science or strong background in related field.

**Exclusions:**

Unavailable to students with credit for AN/S266 or POLS266.

Cross-listed with AN/S2210 A course in ethnographic methodology, techniques of generating non-numerical data and interpretive analysis and practical applications. Fieldwork approaches include intensive interviewing, participant observation and interpretation of print and broadcast media text.

## **POLS2161**

### **UNDERSTANDING POLITICAL SCIENCE RESEARCH**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS265.

This course will provide an overview of quantitative and qualitative research methods suitable for the study of public opinion, the impact of the media, elections, government performance, political values and culture and the implementation, impact and evaluation of public policies and programs

## **POLS2162**

### **QUANTITATIVE RESEARCH METHODS & STATISTICS IN SOCIAL SCIENCE**

**Credits: 6**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology or Political Science, or strong background in related field; prior math skills are not required.

**Exclusions:**

Unavailable to students with credit for POLS268 or AN/S268.

Cross-listed with AN/S2212 Satisfies the Group 5, BA core requirement, but also open to all degree students. An overview of research designs that produce numbers as the data and a comprehensive study of survey methods. Includes methodological principles, sampling, preparation and administration of instruments, computerized data-analysis with SPSS, interpretive reporting and practical applications. Regular lab assignments in SPSS during second half of the course.

## **POLS3101**

### **CANADIAN GOVERNMENT & CONSTITUTION**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS319.

An introduction to major constitutional issues including Confederation, constitutional law and amendment, Quebec and the future of Canada.

## **POLS3103**

### **LOCAL GOVERNMENT IN CANADA**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS325.

The origins, evolution and contemporary situation of local government in Canada with special reference to Cape Breton.

## **POLS3104**

### **ISSUES IN CANADIAN LOCAL GOVERNMENT**

**Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS327.

A study of local policy issues in the Canadian context with focus on such topics as urban politics, policy and planning, local environmental politics, provincial-municipal relations and local economic development.

## **POLS3105**

### **THE FUTURE OF WORK IN CANADA: THE CHALLENGES FACING YOUNG CANADIANS**

**Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS331.

Looks at the changing nature of work in Canada, focusing on the evolving job market, the role of government policy in structuring and promoting the development of work, and in assessing the problems and potential policy solutions respecting employment, underemployment, job creation and career promotion. Special attention given to concerns and needs of young Canadians.

## **POLS3106**

## THE CHARTER OF RIGHTS & CIVIL LIBERTIES

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS323 or POLS221

A study of leading Charter of Rights cases dealing with the power of the police, rights of the accused, prisoners' rights, abortion, assisted suicide, pornography, the spread of hate and the death penalty.

## POLS3107

### PROVINCIAL GOVERNMENT

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS321.

A study of Provincial governments and policies in Canada, with special reference to Nova Scotia.

## POLS3110

### ABORIGINAL AND TREATY RIGHTS IN THE CANADIAN CONSTITUTION

**Credits: 6**

**Prerequisite:**

MIKM1100 or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS340, HIST312, or MIKM340.

Cross-listed with HIST3110 and MIKM3120. The study of Mi'kmaq Aboriginal and treaty rights in Atlantic Canada. The issue of enshrining Aboriginal and treaty rights in S.25 and S.35 of the Constitution Act (1982) will be emphasized.

## POLS3111

# **CANADIAN PUBLIC ADMINISTRATION: FINANCIAL MANAGEMENT, PERSONNEL ADMINISTRATION**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS375.

The major theoretical and practical issues and problems respecting financial management and personnel administration within Canadian governments.

## **POLS3113**

### **ISSUES IN CHILDREN'S RIGHTS**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level political science or psychology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS379 or PSYC379

**Note:**

CROSS LISTING WAS REMOVED for June 10th 2013. Here is the relevant passage "Heather Schmidt moved that the SAC support the Psychology Department's request to de-cross-list the 2 children's rights courses (POLS/PSYC 2117 and POLS 3113/PSYC 3301) and withdraw the courses from the roster of psychology course offerings. Seconded by Rachel Baker. Motion carried (5-1-1).

The course examines the principle of the best interests of the child and application of the principle to policies and practices in the areas of sexual exploitation, youth justice, child custody, street-involved children, Aboriginal children, children's environmental health, child rights education, and refugee and war-affected children.

## **POLS3114**

### **RESTRUCTURING IN THE CANADIAN PUBLIC SECTOR**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS389.

Current issues and challenges in public administration and techniques of public sector management.

**POLS3115****GOVERNMENTS MAKING DECISIONS: AN INTRODUCTION TO PUBLIC POLICY****Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS393

This course will focus on the design, development and delivery of public policy programs and initiatives in a North American and European comparative context. We will examine the major theories relating to the policy-making process, the institutional, political and socio-economic contexts in which decisions are made, and the impact of those decisions on citizens.

**POLS3116****SURVEILLANCE & SOCIAL CONTROL****Credits: 3****POLS3121****LEADERS AND LEADERSHIP****Credits: 3****Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS333.

A close review and analysis of the quality of leaders and leadership in government and society.

## **POLS3123**

### **REVOLUTION AND RESISTANCE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS361

Addresses the nature of revolutions looking at the theory and practice of revolutions and their political, social, economic and cultural impact. Types of revolutions studied will range from "traditional" revolutions (American, French, Russian) to such events as the Industrial Revolution, the Scientific Revolution, Women's Liberation, the youth movement and other social revolutions.

## **POLS3124**

### **ART AND POLITICS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS305 or FINA305.

A study of how art influences political ideas and how politics influences artistic consciousness. Various theories relating to visual art forms such as paintings, posters, murals and sculptures will be explored within the context of the aesthetic dimension as well as through political culture.

## **POLS3130**

### **INTERNATIONAL POLITICS IN A CHANGING WORLD**

**Credits: 6**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS366 or POLS256.

This course is designed to examine the configuration of power in the world today and provides an introduction to a range of issues, which although global in nature, have an impact on Canadians. Topics include international governance, terrorism and security issues, globalization, human rights, international law and environmental deterioration.

## **POLS3131**



## **THE UNITED NATIONS: ORIGINS, STRUCTURE, & DEVELOPMENT**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS351.

The genesis of international organizations; the League of Nations; and the creation, growth and development of the United Nations.

## **POLS3133**

### **THE UNITED NATIONS: ITS ROLE IN INTERNATIONAL AFFAIRS**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS353.

An in-depth analysis of the functions of the United Nations in the areas of political, economic, social and legal activities and its interaction with the international community.

## **POLS3134**

### **INTRODUCTION TO INTERNATIONAL LAW**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS355.

An introduction to the study of law by examining the nature of international law, its legal and judicial institutions and its impact on the behaviour of individuals, nation-states and international organizations.

## **POLS3135**

## **AN INTRODUCTION TO CASES IN INTERNATIONAL LAW**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS357.

Introduces and analyses the milestone cases of international law in national and international courts.

## **POLS3136**

### **HUMAN RIGHTS: INTERNATIONAL DIMENSIONS**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor

**Exclusions:**

Unavailable to students with credit for POLS359

This course will examine international efforts and structures for promoting international human rights. The course will address the development of human rights, the causes of rights abuse and ways and means of rights enforcement.

## **POLS3137**

### **THE POLITICS OF NATURAL RESOURCES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for POLS363.

This course examines the geopolitical and economic role of natural resources such as oil, coal and water in international relations and provides critical analysis of the connections between the world's increasing consumption of natural resources and conflict, globalization, human rights and climate change.

## **POLS3141**

### **CANADIAN COURTS AND COURT MANAGEMENT**

## **Credits: 3**

### **Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

### **Exclusions:**

Unavailable to students with credit for POLS371.

A close study of contemporary issues, problems and reform potentials facing the administration of justice in Canada.

## **POLS3143**

### **CANADIAN GOVERNMENT & ADMINISTRATIVE LAW**

## **Credits: 3**

### **Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

### **Exclusions:**

Unavailable to students with credit for POLS377.

An introduction to the theoretical and practical relationships and issues existing within the Canadian administrative law system.

## **POLS3151**

### **FOUNDATIONS OF POLITICAL THOUGHT**

## **Credits: 3**

### **Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

### **Exclusions:**

Unavailable to students with credit for POLS301 or PHIL301.

Cross-listed with PHIL3151 The principles underlying political systems will be studied historically: Plato's criticism of democracy, Machiavelli's ideas on leadership, the concept of social contract and Marx and Hegel's dialectical view of history.

## **POLS3153**

## **IN SEARCH OF THE JUST SOCIETY**

**Credits: 3**

**Prerequisite:**

6 credits of 1000-level Political Science or permission of instructor.

**Exclusions:**

Unavailable to students with credit for POLS303 or PHIL303.

Cross-listed with PHIL3153 This course examines concepts of justice, human rights, freedom, democracy and gender equality in modern philosophy.

## **POLS3154**

### **MUSIC & NATIONALISM**

**Credits: 3**

**Prerequisite:**

Any 6 credits of ETHM/MUSI course (except performance); and/or a Political Science course.

**Exclusions:**

Unavailable to students with credit for ETHM369, FINA369 or POLS369.

Crosslisted with MUSI3613. This course examines how music can be a potent tool for both building nations and critiquing them. Music can express national identities, narrate national myths, and mark national borders, but it can also critique, deconstruct, and transgress. While many find it easy to accept that music reflects social beliefs and values, in this course we explore how music can be actively used to shape national ideas, principles and standards.

## **POLS3155**

### **MUSIC & PROTEST**

**Credits: 3**

## **POLS3801**

### **DIRECTED STUDY IN POLITICAL SCIENCE**

**Credits: 3**

Requires a special arrangement between an individual student and a professor endorsed by the Dean, to cover a topic unavailable in the regular course offerings. A student may take more than one such course for credit. See department chair for details.

## **POLS3991**

### **POLITICAL SCIENCE INTERNSHIP**

**Credits: 3**

## **POLS4100**

### **SEMINAR IN CANADIAN POLITICS**

**Credits: 6**

**Prerequisite:**

12 credits of Political Science

**Exclusions:**

Unavailable to students with credit for POLS420

An in-depth study of a specific aspect of political life in Canadian society. A central theme is selected each year.

## **POLS4110**

### **SEMINAR IN PUBLIC POLICY**

**Credits: 6**

**Prerequisite:**

12 credits of Political Science

**Exclusions:**

Unavailable to students with credit for POLS410

A study of leading public policy fields in Canada, major issues, and current revisions in light of forces of fiscal restraint and globalization.

## **POLS4130**

## **SEMINAR INTERNATIONAL RELATIONS**

**Credits: 6**

**Prerequisite:**

12 credits of Political Science.

**Exclusions:**

Unavailable to students with credit for POLS430.

This course is designed to offer an in-depth study of a specific aspect of international relations. A central theme will be selected in light of current and emerging issues of interest and concern.

## **POLS4800**

### **DIRECTED STUDY IN POLITICAL SCIENCE**

**Credits: 6**

**Prerequisite:**

12 credits of Political Science.

See the Department Chair for details.

## **POLS4900**

### **HONOURS THESIS IN POLITICAL SCIENCE**

**Credits: 6**

**Prerequisite:**

12 credits of Political Science.

This course is the thesis component of the honours program in Political Science. Students will undertake an individual research project on a topic of their own choosing in consultation with a faculty advisor.

## **PSYC1101**

### **INTRO TO PSYCHOLOGY AS A NATURAL SCIENCE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PSYC1100 or PSYC100.

Psychology is the scientific study of behaviour and mental processes and how they are affected by physical states, mental states and the external environment. The course surveys theories and methods in psychology used to study the brain and other physiological processes, states for consciousness, sensation, perception, learning and memory.

## **PSYC1103**

### **INTRO TO PSYCHOLOGY AS A HUMAN SCIENCE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PSYC1100 or PSYC100.

Psychology is the scientific study of behaviour and mental processes and how they are affected by physical states, mental states and the external environment. The course surveys theories and methods in psychology used to study thinking and intelligence, motivation, emotion, development, personality, social psychology, social psychology, psychopathology, psychological therapy, stress, coping and health.

## **PSYC2101**

### **DATA ANALYSIS**

**Credits: 3**

**Prerequisite:**

PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

**Exclusions:**

Unavailable to students with credit for PSYC201.

An introduction to the application of statistical methods to the solution of research problems in psychology. Commonly used elementary descriptive and inferential statistical procedures will be presented in a context emphasizing an understanding of the general principles of sampling error and hypothesis testing.

## **PSYC2111**

### **RESEARCH METHODS IN PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

PSYC2101

**Exclusions:**

Unavailable to students with credit for PSYSC203.

An introduction to the conduct of inquiry in psychology, including experimental design (internal and external validity), scientific paper writing, social psychological and ethical factors in the experimental situation and elementary philosophy of science.

**PSYC2251****DRUGS AND BEHAVIOR****Credits: 3****Prerequisite:**

PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

**Exclusions:**

Unavailable to students with credit for PSYC225 or BIOL 225.

Cross-listed with BIOL2225 This course will review the basic principles and concepts of pharmacology, psychology and neurophysiology. Then the course concentrates on drug classes, recreational (e.g. alcohol and marijuana) and prescribed (e.g. benzodiazepines and antidepressants) and details the specific drugs within each class.

**PSYC2253****HEALTH PSYCHOLOGY****Credits: 3****Prerequisite:**

PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

**Exclusions:**

Unavailable to students with credit for PSYC227 or PSYC325.

The course examines the role of psychological risk and protective factors in the promotion and prevention of health and illness. Topics covered include stress and coping, the psychological effects of patient-centered care, health-compromising behaviors and health promotion.

**PSYC2311****CHILDREN'S RIGHTS****Credits: 3**



**Prerequisite:**

POLS1100 or PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

**Exclusions:**

Unavailable to students with credit for PSYC279, PSYC395, POLS279 or POLS395.

Cross-listed with POLS 2117 \*\*\* No longer crosslisted with POLS as of 2013 \*\*\*\* This course brings together perspectives from law and public policy and from developmental psychology to study the rights of the child. Using the framework of the UN convention of the Rights of the Child, the course examine current Canadian policies and practices in areas such as child poverty, protection from abuse and neglect, child care, and protection from corporal punishment and violence against children.

**PSYC2401****FOUNDATIONS OF SOCIAL PSYCHOLOGY****Credits: 3****Prerequisite:**

PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

**Exclusions:**

Unavailable to students with credit for PSYC240 or PSYC2400

This course introduces social psychological theories and research dealing with such topics as the self, social cognition, compliance, conformity, obedience, social facilitation, social loafing, group decision making, aggression, attitudes, persuasion, prejudice, discrimination, conflict resolution, helping behaviour, interpersonal attraction, friendship, romantic relationships, and selected applications to media, law, sustainability, and health.

**PSYC2501****FOUNDATIONS OF PERSONALITY PSYCHOLOGY****Credits: 3****Prerequisite:**

PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

**Exclusions:**

Unavailable to students with credit for PSYC250 or PSYC2500.

This course introduces the foundations modern personality research and theory. The basic questions and research findings in the areas of traits, genetics, neuroscience, self and identity, intrapsychic (unconscious) events, regulations, motivation, and cognition are considered. The focus will be on research results in each of these areas and their integrated interpretation.

## **PSYC2503**

### **FOUNDATIONS OF ABNORMAL PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

This course introduces the foundations abnormal psychology. Positive states of wellbeing and psychological health are considered and construed with states of pathology. Consideration of theory and research findings in the area of psychopathology will be interpreted from sociocultural and individual perspectives. Particular emphasis in course content is placed on the concepts of risk and protective factors.

## **PSYC2601**

### **CHILD DEVELOPMENT**

**Credits: 3**

**Prerequisite:**

PSYC1100 or 6 credits of Introduction to Psychology or equivalent .

**Exclusions:**

Unavailable to students with credit for PSYC260 or PSYC2600.

This course provides an introduction to human development from prenatal period to the end of childhood. Topics include change and consistencies in physical, cognitive, linguistic, emotional, and social domains. Theoretical perspectives and research are examined.

## **PSYC2603**

### **ADOLESCENT & ADULT DEVELOPMENT**

**Credits: 3**

**Prerequisite:**

PSYC2601

**Exclusions:**

Unavailable to students with credit for PSYC260 or PSYC2600.

This course builds on PSYC2601. It provides an introduction to human development from adolescence to death. Topics include change and consistencies in physical, cognitive, linguistic, emotional, and social domains. Theoretical perspectives and research are examined.

**PSYC3101****RESEARCH PRACTICUM IN PSYCHOLOGY****Credits: 3****Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended, including PSYC2111 or PSYC203.

**Exclusions:**

Unavailable to students with credit for PSYC303

Designed to give students practical experience in planning, conducting and evaluating psychological research. Topics include various ANOVA, correlational and multivariate designs. Weekly lab assignments require students to use computer packages to perform analyses, interpret and report the results. This course fulfils the BSc computer proficiency requirement.

**PSYC3103****QUALITATIVE METHODS IN PSYCHOLOGY****Credits: 3****Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended, including PSYC2111 or PSYC203.

**Exclusions:**

Unavailable to students with credit for PSYC393.

This course introduces students to qualitative research methodology in psychology, in which words/language/text serve as the primary source of data. Naturalistic observation, case studies, focus groups, archival studies, participatory research will be taught, as will analysis methods (e.g. grounded theory, narrative analysis, content analysis). Examples will be drawn from counselling/clinical psychology, personality psychology, cultural psychology, community psychology, and experiential studies of emotion and memory. Students will also be directed through the steps of completing a small-scale qualitative interview study on a topic of their choice.

**PSYC3200**

## **SENSATION & PERCEPTION**

**Credits: 6**

**Prerequisite:**

12 credits in Psychology with a 60% average.

**Exclusions:**

Unavailable to students with credit for PSYC320.

Explores how information in the world is registered by the senses, conveyed to the brain and organized and interpreted to form meaningful perceptions of the world. Topics include anatomy and physiology of the sensory systems, principles of perceptual organization, perceptual development and the methods used to study sensation and perception.

## **PSYC3201**

### **MOTIVATION**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology with a 60% average.

**Exclusions:**

Unavailable to students with credit for PSYC311.

This course considers the many reasons why people behave as they do. The interwoven physiological, cognitive and social processes that combine to energize behaviour and give it direction will be studied. Motives may be internal or external, they may complement or oppose each other and the motivations we experience often help us define our sense of self. Particular emphasis will be given to the often misunderstood nature of emotions and the central role they play in motivating behaviour.

## **PSYC3203**

### **LEARNING**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology with a 60% average

**Exclusions:**

Unavailable to students with credit for PSYC309 or PSYC211

The fundamental principles of learning derived from research with animal and human subjects and the

application of these principles to the understanding and prediction of behaviour.

## **PSYC3203L**

### **LEARNING LAB**

**Credits: 0**

## **PSYC3211**

### **COGNITION**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology with a 60% average

**Exclusions:**

Unavailable to students with credit for PSYC319 or PSYC221.

Cognition refers to the mental processes used in acquiring, storing, elaborating, retrieving and using information. Topics covered in this survey of cognitive psychology include attention, memory, pattern recognition, mental imagery, psycholinguistics, the mental structure of general knowledge, problem-solving, concept formation and decision-making.

## **PSYC3213**

### **PHYSIOLOGICAL PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended. Recommended 6 credits of Biology.

**Exclusions:**

Unavailable to students with credit for PSYC321.

Physiological psychology stresses the approach, methods, and concepts of the biological sciences as tools to increase our understanding of the human mind and behaviour. This course will explore the roles of biological factors in such areas of psychology as perception, motivation, learning, thinking, language and psychopathology. Information about the anatomy and physiology of the human nervous system is presented in order to provide the necessary context.

## **PSYC3301**

## **SPECIAL ISSUES IN CHILDREN'S RIGHTS**

**Credits: 3**

**Prerequisite:**

6 credits of 1000 level Political Science or Psychology or permission of instructor.

**Exclusions:**

Unavailable to students with credit for PSYC379 or POLS379

**Note:**

for June 10th 2013. Here is the relevant passage "Heather Schmidt moved that the SAC support the Psychology Department's request to de-cross-list the 2 children's rights courses (POLS/PSYC 2117 and POLS 3113/PSYC 3301) and withdraw the courses from the roster of psychology course offerings. Seconded by Rachel Baker. Motion carried (5-1-1).

The course examines the principle of the best interests of the child and application of the principle to policies and practices in the areas of sexual exploitation, youth justice, child custody, street-involved children, Aboriginal children, children's environmental health, child rights education, and refugee and war-affected children.

## **PSYC3303**

### **POSITIVE PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended.

**Exclusions:**

Unavailable to students with credit for PSYC371.

Much of psychology is focused on disorders and what has gone wrong in development. Positive psychology is the study of how human beings prosper. The goal of positive psychology is to identify and enhance the human strengths and virtues that help human beings prosper and live well. This course will provide an introduction to positive psychology. It is designed to explore the concepts, research behind the concepts, techniques, and exercises that enhance well-being. The format of the course will be both experiential and research-based. Readings and exercises will be given weekly. A key component will be online participation by the students in small groups

## **PSYC3304**

### **COMMUNITY PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended.

This course introduces students to the principles of community psychology. Topics will include teenage pregnancy, poverty, crime and depression. Interventions and preventive strategies focusing on empowerment and social change will be the central focus of the course.

**PSYC3401****APPLIED SOCIAL PSYCHOLOGY****Credits: 3****Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended, PSYC2401 or PSYC2400.

This course presents an overview of scientific research methods, intervention, and evaluation in applied social psychology, and then surveys theories and research dealing with applications of social psychological knowledge to various domains such as education, health, psychological therapies, law, media, organizations, community, diversity, environment, sports, personal relationships, and well-being.

**PSYC3501****ABNORMAL PSYCHOLOGY****Credits: 3****Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended including PSYC2500 or PSYC2501 and PSYC2503.

**Exclusions:**

Unavailable to students with credit for PSYC371.

This course examines the genetic, familial and sociocultural correlates of abnormal behavior and psychological disorders. The concept of psychopathology is analysed from cross-cultural, socioeconomic and political perspectives

**PSYC3503****PERSONALITY PSYCHOLOGY: TESTS AND MEASUREMENT****Credits: 3****Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended, PSYC2101, PSYC2111, PSYC2500, or PSYC2501.

This course will examine psychological testing in general and personality tests in particular. The development of testing, the use and misuse of tests, will be explored. Specific psychological tests will be evaluated in their historical context and present usage. Psychometric assessments of the quality of measurement will consider reliability and validity, test construction theory, and the valuation of items. Students will construct and evaluate their own measure of a personality trait.

## **PSYC3611**

### **THE PSYCHOLOGY OF ADOLESCENCE**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended including PSYC2600 or PSYC2601/2603.

**Exclusions:**

Unavailable to students with credit for PSYC361

The developmental patterns and experiences of contemporary adolescents are examined from an ecological theoretical perspective.

## **PSYC3613**

### **THE PSYCHOLOGY OF PARENTING**

**Credits: 3**

## **PSYC3631**

### **CHILDHOOD BEHAVIOR DISORDERS**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended, including PSYC2600 or PSYC2601.

**Exclusions:**

Unavailable to students with credit for PSYC463/4631.



This course examines the etiology, diagnostic criteria, treatments, and outcomes of a variety of childhood developmental disorders including conduct disorder, autism, ADHD and eating disorders.

## **PSYC3651**

### **HUMAN SEXUALITY AND SEX EDUCATION**

**Credits: 3**

**Prerequisite:**

12 credits in Psychology, 60% Psychology average is recommended.

**Exclusions:**

Unavailable to students with credit for PSYC265 or PSYC365

Few topics raise controversy as quickly as discussions of human sexuality, yet it is normal human behaviour. Topics covered in this course include historical and cultural perspectives on sexuality, anatomy, hormones, conception and birth, contraception, sexual dysfunction, gender issues, arousal and communication, attraction and love, sexual orientation, sexually transmitted infections, erotica and pornography, sexual coercion and sexual variation. Students in this course will learn the human sexual response and how it interacts with cognitive and social processes that surround sex, in order to gain a better appreciation for the diversity of sexual practices and opinions.

## **PSYC4101**

### **HISTORY OF PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

18 credits in Psychology with a 60% average

**Exclusions:**

Unavailable to students with credit for PSYC431

The development of psychology in Western civilization from approximately 1800 to the present, focusing on certain key, perennial issues.

## **PSYC4211**

### **ADVANCED COGNITION**

**Credits: 3**

**Prerequisite:**

18 credits in Psychology with a 60% average, including PSYC3211.

**Exclusions:**

Unavailable to students with credit for PSYC421.

Focuses on higher mental activities such as language, memory, thinking, decision-making, creativity and problem solving including applications in education, business and other situations.

## **PSYC4231**

### **NEUROBIOLOGY**

**Credits: 3****Prerequisite:**

18 credits in Psychology, 60% Psychology average is recommended, including PSYC3213 or BIOL3200.

**Exclusions:**

Unavailable to students with credit for PSYC423 or BIOL423

Cross-listed with BIOL 4201 This course introduces basic anatomical and physiological principles of neuroscience extending from basic biophysical properties of neurons and glia, to the physiological basis of sensory processing, motor behaviour, learning and memory. Neurobiology differs from PSYC3213 in that it will go into significantly greater depth on basic physiology and will not attempt the general survey of all behaviour.

## **PSYC4401**

### **ADVANCED TOPICS IN SOCIAL PSYCHOLOGY**

**Credits: 3****Prerequisite:**

18 credits in Psychology, 60% Psychology average is recommended, including PSYC2400 or PSYC2401.

**Exclusions:**

Unavailable to students with credit for PSYC441

This course addresses the evolving role of individual differences in contemporary social psychology. It begins with methodological strategies and the impact of selected personality variables on social behaviour. The focus then turns to three recent productive theoretical approaches (i.e., psychological geography, threat and authoritarian tendencies, and terror management theory) and highlights various social psychological phenomena within the context of these particular approaches. The course concludes with an evaluation of the importance of personality in social psychology.

## **PSYC4403**

### **ADVANCED SOCIAL PSYCHOLOGY THEORY**

**Credits: 3**

**Prerequisite:**

18 credits in Psychology with a 60% average, including PSYC2400.

**Exclusions:**

Unavailable to students with credit for PSYC443

An overview of social psychological theory as well as a framework for integrating social psychological research and understanding social change.

## **PSYC4503**

### **CLINICAL PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

18 credits in Psychology with a 60% Psychology average recommended, including PSYC3501.

This course introduces students to the field of clinical psychology, tracing its historical roots to its present-day applications. Topics include: diagnosis and classification, assessment, treatment, ethics and training practices. A variety of psychotherapeutic interventions are discussed and assessed.

## **PSYC4570**

### **INTRODUCTION TO CLINICAL PSYCHOLOGY**

**Credits: 6**

**Prerequisite:**

18 credits in Psychology with a 60% average, including PSYC3501, either completed or concurrent.

**Exclusions:**

Unavailable to students with credit for PSYC470.

This course introduces students to the field of clinical psychology. The history and development of the field are positioned to gain insight into current practices in the treatment of psychological disorders. Other topics include assessment and methods of intervention with individuals, groups, families and children.

## **PSYC4571**

### **COUNSELLING PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

18 credits in Psychology with a 60% average.

**Exclusions:**

Unavailable to students with credit for PSYC485.

This course examines the major theories of counseling, introduces the basic interviewing skills practised by those in the helping professions and acquaints students with a variety of counseling applications.

## **PSYC4611**

### **ADVANCED DEVELOPMENTAL PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

18 credits in Psychology with a 60% Psychology average recommended, including PSYC2600 or PSYC2601 and PSYC2603.

**Exclusions:**

Unavailable to students with credit for PSYC461.

This course will examine contemporary issues in developmental psychology.

## **PSYC4633**

### **PSYCHOLOGY OF CHILDHOOD VIOLENCE**

**Credits: 3**

**Prerequisite:**

18 credits in Psychology with a 60% Psychology average recommended, including PSYC2600 or PSYC2601.

**Exclusions:**

Unavailable to students with credit for PSYC465.

The antecedents and correlates of childhood violence will be examined within the ecological systems framework, from the neurological status of the newborn to the provision of societal supports for parenting.

## **PSYC4800**

### **DIRECTED STUDY**

**Credits: 6**

Students may select a course of study on any psychological topic of special interest to them, for which an appropriate faculty supervisor can be found. The student must obtain the consent of a faculty member to act as a supervisor before registering for this course.

## **PSYC4801**

### **DIRECTED STUDY**

**Credits: 3**

Students may select a course of study on any psychological topic of special interest to them, for which an appropriate faculty supervisor can be found. The student must obtain the consent of a faculty member to act as a supervisor before registering for this course.

## **PSYC4803**

### **DIRECTED STUDY**

**Credits: 3**

Students may select a course of study on any psychological topic of special interest to them, for which an appropriate faculty supervisor can be found. The student must obtain the consent of a faculty member to act as a supervisor before registering for this course.

## **PSYC4900**

### **HONOURS SEMINAR & THESIS**

**Credits: 6**

#### **Prerequisite:**

At least 36 credits in Psychology with an average of 75%, including PSYC2111 and PSYC3101 either completed or concurrent

This course is for honours students in Psychology (BA or BSc). The purpose of the course is to assist students in completing their honours thesis projects. The honours thesis is an original empirical study carried out during the academic year. The weekly seminar component of the course will allow students to discuss their research as it progresses, to share ideas and both assist and learn from each other as they complete their research project. Students also meet one-on-one with a faculty advisor who will provide guidance as the research project unfolds.

## **PUBH1101**

### **CELLULAR PROCESSES & ENVIRONMENTAL EFFECTS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH101 or BIOL1101 or BIOL101.

The anatomy and physiology of the cell, with a special focus on the processes (transport membranes, internal respiration, mitosis, protein synthesis) which are most vulnerable to the pathological effects of toxic agents. Major environmental effects are also examined including mutations, reproductive effects, birth defects and cancer.

## **PUBH1103**

### **ENVIRONMENTAL ISSUES IN PUBLIC HEALTH**

**Credits: 3**

**Prerequisite:**

Unavailable to students with credit for PUBH122.

This course outlines the importance of undertaking the study of human health in relationship to the environment and developmental and environmental changes. Fundamental to this study is the understanding that our well-being is supported and dependent on the conservation and integrity of the biosphere. Issues in Public Health, ranging from local to global, are at the center of discussion. Topics impacting public health that will be integrated into this course include climate change, global warming, biodiversity loss, erosion, land degradation, deforestation, desertification, zoning and planning issues.

## **PUBH1104**

### **PHYSICAL AGENTS & THEIR HEALTH EFFECTS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH131.

Discussion of various physical agents, with a focus on their health effects. Topics covered include

electromagnetic spectrum, temperature extremes, noise, and ergonomics.

## **PUBH2101**

### **MUNICIPAL SERVICES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH204.

Municipal water and wastewater services will be examined from a public health perspective. Concepts covered include chemical, physical and biological properties of water and wastewater, sampling protocol, processing, distribution, design components, hydrology, storm water control, innovative technology and a fundamental understanding of the legislation and regulations governing the water and wastewater industry. Field trips will complement the lecture principles.

## **PUBH2103**

### **PUBLIC HEALTH LAW**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH211.

Students will become acquainted with the legal process associated with environmental and public health issues. The course includes an overview of legislation and case law associated with environmental and public health issues. The process of enforcement of legislation and defence of alleged violations is included in the course content.

## **PUBH2104**

### **ANATOMY & PHYSIOLOGY**

**Credits: 3**

**Prerequisite:**

PUBH1101 or BIOL1101 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for PUBH214, BIOL2203, BIOL3200 AND BIOL3203

**Note:**

DEC 2014 EDIT - CHANGE TO EXCLUSIONS

An introduction to the major organ systems and the roles they play in the maintenance of normal function, particularly when confronted with infectious diseases and other environmental threats.

## **PUBH2105**

### **PUBLIC HEALTH INSPECTION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH217.

Assessment for and design of on-site sewage disposal systems. Characteristics of potable water from ground and surface sources, including source protection, treatment procedures and monitoring. Recreational water standards, management and monitoring.

## **PUBH2106**

### **FOOD QUALITY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH224

An introduction to basic food chemistry, including the physical properties and chemical reactions of water, lipids, fats, oils, carbohydrates, proteins and enzymes. Primary processing of meat and poultry, dairy and egg products will be considered and techniques of food grading discussed. The use of food additives, including colour additives, will also be examined.

## **PUBH2107**

### **EMERGENCY PREPAREDNESS**

**Credits: 3**

**Prerequisite:**

Unavailable to students with credit for PUBH227.

An introductory course addressing fundamental concepts and approaches. Links the ideals and ideas of public health with the disaster and emergency management fields. Types of disasters and their consequences are considered, along with the role of public health professionals in planning and response, bioterrorism issues, recovery and reconstruction and responsive evaluation.

## **PUBH2108**



## **ENGINEERING ISSUES IN PUBLIC HEALTH**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH234.

Provides an introduction to several engineering disciplines which are part of the academic requirements for CIPHI certification. Included are an overview of engineering drawing technique, HVAC, blueprint reading and the basics of surveying. It is intended to provide the basis for understanding these issues without in-depth design focus.

## **PUBH3101**

### **FOOD HYGIENE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH314.

Topics include strategies for food safety, prevention and investigation of food borne illness, food preservation, HACCP, inspection, recall procedures and regulation review. Presented in the facilities for food preparation of the Hospitality Administration program. Labs will be every other week.

## **PUBH3103**

### **PUBLIC HEALTH ADMINISTRATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH317.

Considers the fundamentals of public administration for public health programs including the levels of organization. The processes of policy development, interactive planning, strategic planning, program implementation, evidence gathering and performance management are examined.

## **PUBH3104**

### **TOXICOLOGY**

**Credits: 3**

**Prerequisite:**

PUBH2104 or BIOL3200.

**Exclusions:**

Unavailable to students with credit for PUBH322

Basic concepts of toxicology are introduced, followed by instruction in the physiological mechanism of toxic agents on the body. Topics include dose response calculations, determination of margins of safety, a review of the toxicology of natural and man-made chemicals and a discussion of scientific research principles.

## **PUBH3105**

### **PUBLIC HEALTH ETHICS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH327.

Public health practice demands that scientific considerations be blended with political realities questions of autonomy and jurisdiction, individual rights, social justice, coercion, norms of research, multi-cultural values, and the common good. This unit is intended as a resource to enhance and encourage thoughtful, well informed and critical discussions of ethical issues in public health.

## **PUBH3106**

### **EPIDEMIOLOGY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH395.

This course covers the development and history of epidemiology with its importance to public health. Topics include incidence, prevalence, cohort studies, risk ratios, rates of disease, mortality, morbidity, case control studies and experimental studies. The relevance of study results is discussed along with a determination of the advantages and disadvantages of the varying study designs.

## **PUBH3107**

### **FIRE, SAFETY, AND SECURITY**

**Credits: 3**

**Prerequisite:**

One year of post secondary education or permission of the instructor.

This course will provide the student with exposure to many facets of the workplace fire, safety and security. The goal of the course is to ensure the student is capable of recognizing risks and controlling those risks to an acceptable level within the legislative framework and technical abilities of the workplace. Topics will include fire prevention and protection, laboratory safety, building codes and standards, process (fault tree and event tree) analysis, confined spaces, fall protection, mechanical safety, hazardous energy controls, personal protective equipment and other related safety technologies and theories.

## **PUBH4101**

### **HEALTH RISK ASSESSMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH411.

Introduces the fundamentals of risk assessment and demonstrates their application to selected environmental and public health concerns. Problem definition and step-wise analysis techniques will be stressed using practical case examples. A four-step process is taught: risk identification, risk evaluation, risk management and risk control.

## **PUBH4103**

### **COMMUNICABLE DISEASE CONTROL**

**Credits: 3**

**Prerequisite:**

6 credits in Public Health.

**Exclusions:**

Unavailable to students with credit for PUBH417.

Examines the role of health personnel in the control of infectious disease in institutional environments, with respect to appropriate preventive policy and procedures, inspection and investigation. Particular attention is paid to problem areas unique to hospitals, schools, housing and facilities for child and adult care. Recreational, animal care, and personal services facilities are examined in addition to biomedical waste handling and response to nuisance-type situations. Strategies for managing vaccine-preventable, sexually transmitted, and emerging infectious diseases are also discussed.

## **PUBH4104**

### **FOOD BORNE DISEASES**

**Credits: 3**

**Prerequisite:**

3 credits in Introductory Microbiology.

**Exclusions:**

Unavailable to students with credit for PUBH419.

A survey of the agents of food borne disease. Bacteria, viruses, protozoa and parasites all play a role in various diseases related to food contamination. How food becomes contaminated, the health effects of contamination and preventive measures will be discussed. Laboratory sessions will focus on methods of detection, isolation and enumeration of organisms associated with food.

## **PUBH4105**

### **OCCUPATIONAL HEALTH & SAFETY LEGISLATION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH421.

Specific jurisdictional legislation dealt with includes the Canadian Federal Labour Code, the Nova Scotia Occupational Health and Safety Act and the American Occupational Health and Safety Act. Material will be presented using lectures and review of appropriate legislative documents.

## **PUBH4106**

### **PUBLIC HEALTH EDUCATION**

**Credits: 3**

**Prerequisite:**

6 credits in Public Health.

**Exclusions:**

Unavailable to students with credit for PUBH427.

Principles of adult education are examined and are used to present and address current issues in the public health realm, including healthy public policy, health promotion, population health, chronic diseases, injury prevention, sexually transmitted disease and lifestyle considerations.

## **PUBH4107**

### **QUALITY & ENVIRONMENTAL PROJECT MANAGEMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH435.

This course will provide an overview of the fundamentals of project management and an introduction to the areas of quality management and environmental management. Various concepts, including budgeting, time management, resource allocation, organizational behaviour and interpersonal skills, quality systems and metrics, environmental auditing, decision-making processes and analysis of RfPs will be examined. Project management and its role in public health applications and in the environmental sector will be discussed. .

**PUBH4108****BIOCONTAMINANTS IN INDOOR ENVIRONMENTS****Credits: 3****Exclusions:**

Unavailable to students with credit for PUBH441.

**Note:**

pre-reqs removed - January 20, 2016 at request of Helen Mersereau and dept vote.

An examination of the various biocontaminants that may be found in indoor environments and their effects on the health of occupants. The diversity, prevalence and health effects of fungi will be examined in detail. Methods of site evaluation, sampling and remediation will be discussed, as well as control strategies. Bacteria, dust mites, pet dander and other biocontaminants will also be examined in the context of their potential health effects.

**PUBH4109****WASTE MANAGEMENT****Credits: 3****Exclusions:**

Unavailable to students with credit for PUBH457.

Waste Management provides an overview of waste disposal in society and the implications such disposal has on the health of the public and the environment. This course addresses fundamental concepts and approaches to management of hazardous and non-hazardous waste. Considered are classification, tracking, reduction, reuse, recycling, collection, disposal and end use of waste streams, and the treatment/beneficial reuse of non-hazardous/hazardous wastes, inclusive of innovative technologies and the development of legislation/development of guidelines, regulations and standards. The role of public health and environmental professionals in regulatory compliance and control as well as spill response will be examined. The course concludes with evaluation and control strategies the public health inspector might recommend.

## **PUBH4111**

### **INTEGRATED PEST MANAGEMENT**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for PUBH466.

The concept of integrated pest management and the elements of the IPM approach are discussed. Options for pest control in various sectors and environments are examined, as are the characteristics and life cycles of common insect and rodent pests. Pesticides, along with their control and application are considered.

## **PUBH4113**

### **SAFETY SYSTEMS**

**Credits: 3**

**Prerequisite:**

**Note:**

Pre-reqs removed at request of Helen Mersereau. approved at dept meeting jan 15, 2016

This course will provide a review of safety management concepts, with a focus on accident theory, organizational behaviour, program design and their application to today's workplaces. The topics covered will include process and conflict management, accident philosophies, safety program analysis and design and other aspects of safety management theory.

## **RELS1115**

### **INTRODUCTION TO WORLD RELIGIONS: EASTERN TRADITIONS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS115, HIST115, HUMA115, or RELS110.

Cross-listed with HIST1115 and HUMA1104 The history, practice and meaning of the Hindu and Buddhist traditions will be examined along with Jainism and Sikhism. Their contribution to our understanding of religion as a whole and present day role of these traditions in world events will be discussed.

## **RELS1117**

### **INTRODUCTION TO WORLD RELIGIONS: WESTERN TRADITIONS**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for RELS117, HIST117, HUMA117 or RELS110.

Cross-listed with HIST1117 and HUMA1105 Judaism, Christianity and Islam are three great world religions that have influenced present day Western society. This course will examine the origins, major historical developments, cultural influence and teachings of these world religions. There will also be an emphasis on the role these religions play in current world events and politics.

## **RELS2101**

### **INTRODUCTION TO THE BIBLE: THE HEBREW SCRIPTURES**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for RELS101.

Examines the record of the Israelite's experience of God as recorded in the Hebrew Bible.

## **RELS2103**

### **INTRODUCTION TO THE BIBLE: THE NEW TESTAMENT**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for RELS103.

The New Testament is examined as a record of the experience of the first generation of Christians.

## **RELS2104**

### **CELTIC RELIGION: DRUIDISM**

## **Credits: 3**

### **Exclusions:**

Unavailable to students with credit for RELS271

This course studies the history, philosophy, teachings and practices of the pagan religion, Druidism, among the Celtic peoples of England, Scotland, Wales and Ireland before the dawn of Christianity in the fifth century, A.D.

## **RELS2105**

### **CELTIC RELIGION II:CHRISTIANITY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS273.

Covers the spread of Christianity to England, Scotland, Wales, and Ireland and the clash which developed between Celtic and Roman Christianity.

## **RELS2106**

### **CULTS AND NEW RELIGIOUS MOVEMENTS**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS295

This course introduces students to various new religious movements - or "cults" in popular discourse. The course examines their origins, beliefs and practices and provides an understanding to these new religious movements through the social scientific study of religion. Possible groups for consideration may include The Branch Davidians, Jonestown, The Church of Scientology, The Children of God (The Family), Wicca, Hare Krishna and Falon Gong.

## **RELS2109**

### **THE EXISTENCE OF GOD**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS1113 or PHIL1113.

Cross-listed with PHIL2109 The question concerning the existence of God is perplexing, since it arises in history but points to a reality beyond history. What can we know about God?

## **RELS2125**



## **DEATH & DYING: DYING & VALUES**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS257 or PHIL257.

Cross-listed with PHIL2125 Death as a process of life. Cardiac, whole brain, and higher brain definitions of death, interdisciplinary perspectives, moral standing and ethical principles, death condemnation and embalming, DNR and DNH orders, transplants and living wills.

## **RELS2127**

### **DEATH & DYING: DEATH, HEALING, & AGEING**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS259 or PHIL259.

Cross-listed with PHIL2127 Heidegger, Sartre and Marcel on the nature of death. Healing techniques: good and bad grief, ageing as a process, the metaphysical structure of death as such (what death is like to the dead).

## **RELS2129**

### **SPIRITUALITY & HEALTH**

**Credits: 3**

**Exclusions:**

Available to non nursing students only with permission of the instructor. Unavailable to students with credit for RELS265 or PHIL265.

Cross-listed with PHIL2129 Required for all students in the BSc Nursing Program. Introduces students to the links between spirituality, medicine, disease and illness as they relate to health and healing techniques throughout the lifespan. Health arises at the intersection of these links. This course is directed toward students in the nursing program though other students may enroll.

## **RELS2131**

### **RELIGION & HEALTH**

**Credits: 3**

**Prerequisite:**

RELS2129

**Exclusions:**

Available to non- nursing students only with permission of the instructor. Unavailable to students with credit for RELS267 or PHIL267.

Cross-listed with PHIL2131 Required for all students in the BSc Nursing Program. Introduces students to the links between religion, culture, and health. The major world religions offer guidance on how to live harmoniously with self, others and the environment, thereby playing a focal role in health issues. This course is directed toward students in the nursing program though other students may enroll.

## **RELS2141**

### **RELIGION & TRADITION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS241

This course introduces students to religious themes and ideas that may be found in literary forms such as novels, poetry, and children's stories from various cultural backgrounds.

## **RELS2143**

### **RELIGION & POPULAR CULTURE**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS243.

Increasingly in modern society, films have become the forum for presentation of religious ideas. In this course, we will examine how the medium of film has shaped our ideas on various religious themes.

## **RELS2161**

### **HISTORY OF CHRISTIANITY I: THE CHRISTIANIZATION OF WESTERN EUROPE**

**Credits: 3**

**Prerequisite:**

HIST1100 or 6 credits Humanities.

**Exclusions:**

Unavailable to students with credit for RELS261 or HIST261.

Cross-listed with HIST2108 The rise of Christianity from its origins as a sect within Judaism to its domination of life in medieval Europe.

**RELS2163****HISTORY OF CHRISTIANITY II: CHRISTIANITY & THE MODERN WORLD****Credits: 3****Prerequisite:**

HIST1100 or 6 credits Humanities

**Exclusions:**

Unavailable to students with credit for RELS263 or HIST263.

Cross-listed with HIST2109 The history of Christianity from the reformations of the sixteenth century to the present.

**RELS2180****LIBERATION THEOLOGY****Credits: 6****Exclusions:**

Unavailable to students with credit for RELS280.

Liberation Theology is characterized by continual reference to the social, economic and cultural experience of the people of Latin America, combined with a creative reading of the Bible and the Christian tradition.

**RELS2191****WOMEN IN WESTERN RELIGIOUS TRADITION****Credits: 3****Exclusions:**

Unavailable to students with credit for RELS291.

Feminist theology has developed recently as a critique and reinterpretation of traditional theology of

women. The course examines this new theology and the new insights it generates in the Western religious tradition.

## **RELS2193**

### **WOMEN IN EASTERN RELIGIOUS TRADITION**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for RELS293

Feminist theology has developed recently as a critique and re-interpretation of traditional theology of women. This course examines this new theology and the new insights it generates in the Eastern religious tradition.

## **RELS3101**

### **MYSTICISM**

**Credits: 3**

**Prerequisite:**

6 credits in Religious Studies

An examination of the great mystical traditions from East to West; the validity and merit of chemically induced mystical states of consciousness; and, the stages of mystical development within the spiritual experience. A variety of ecstatic phenomena from a number of different cultures will be considered as an introduction to the subject.

## **RELS3130**

### **RELIGION & APOCALYPTICISM**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for RELS330.

Explores the prophetic and apocalyptic texts of the Hebrew Bible in their relevance for Judaism and Christianity today.

## **RELS3153**

### **RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (TO 1600)**

## **Credits: 3**

### **Prerequisite:**

6 credits of Philosophy, HIST1100, or 6 credits of Humanities.

### **Exclusions:**

Unavailable to students with credit for RELS353, HIST353, or PHIL353.

Cross-listed with HIST3201 and PHIL3201 This course examines ideas about religious intolerance, toleration and liberty, from antiquity to the sixteenth century. Students will read and discuss important texts. Historical, theological and philosophical perspectives will be introduced.

## **RELS3155**

### **RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY II (FROM 1600)**

## **Credits: 3**

### **Prerequisite:**

RELS3153.

### **Exclusions:**

Unavailable to students with credit for RELS355, HIST355 and PHIL355.

Cross-listed with HIST3203 and PHIL3203 A continuation of RELS3153. The seventeenth century worked out ideas presented during the Reformation, while the Enlightenment launched an all-out assault on bastions of intolerance. Modern approaches, theological and philosophical, along with contemporary declarations, e.g. United Nations and Vatican II, will also be read.

## **RELS3159**

### **NIETZSCHE & THE DEATH OF GOD**

## **Credits: 3**

## **SASC2989**

### **BA/BACS CO-OP WORK TERM I**

## **Credits: 3**

## **SASC3989**

## **BA/BACS CO-OP WORK TERM II**

**Credits: 3**

### **SOCO1301**

#### **INTRODUCTION TO SOCIOLOGY**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for AN/S1200.

This course will introduce students to the key concepts, theoretical perspectives and methodologies of Sociology.

### **SOCO2300**

#### **SOCIOLOGY OF THE FAMILY**

**Credits: 6**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for SOCO210.

The study of family roles, forms, processes and functions, from the perspectives of household, community and the larger social system, with special attention to our own contemporary society and its key problems.

### **SOCO2301**

#### **CANADIAN SOCIETY I**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for SOCO281 or SOCO381.

Key contemporary issues in Canada and their historical socio-cultural roots, focusing on social, economic and political systems, including economic crisis, regionalism, labour, ethnicity, gender and political debates grounded in these concerns.

## **SOCO2302**

### **SOCIOLOGY OF DEVIANCE**

**Credits: 6**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for SOCO246 or SOCO340

Critical and comparative examination of theories and studies on processes that place individuals or groups out of step with societal rules and study of consequences both for deviants and for society.

## **SOCO2303**

### **CANADIAN SOCIETY II**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology; plus either SOCO2301 or permission of instructor.

**Exclusions:**

Unavailable to students with credit for SOCO283 or SOCO383.

Continuation of SOCO2301, with special attention to case studies from the literature

## **SOCO2304**

### **SOCIAL & POLITICAL CONTEXT OF EDUCATION**

**Credits: 3**

**Prerequisite:**

6 credits introductory Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for SOCO285.

An exploration of the social and political processes that produce education as a social institution. In particular, a focus on the history, development and ideologies associated with schooling in Canada

## **SOCO2306**

### **INTRODUCTION TO SOCIOLOGY OF THE FAMILY**

**Credits: 3**

**Prerequisite:**

SOCO1301 plus any 3 credits of AN/S, SOCO or ANTH for a total of 6 credits.

**Exclusions:**

Unavailable to students with credit for AN/S220 and SOCO210 and SOCO2300.

The study of family roles, forms, processes and functions, from the perspectives of household, community and the larger social system, with special attention to our own contemporary society and its key problems.

## **SOCO3300**

### **SURVEY OF SOCIOLOGICAL THEORY**

**Credits: 6**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for SOCO306 or SOCO230.

A critical study of key social concepts, major theoretical debates and leading social thinkers of the nineteenth and twentieth centuries.

## **SOCO3301**

### **CAPE BRETON SOCIETY: SOCIAL-ECONOMIC FOUNDATIONS & CHANGE**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.



**Exclusions:**

Unavailable to students with credit for SOC0351 or SOC0451.

Critical analysis of the shifting economic base, occupational structure, community formation and political culture of Cape Breton during the twentieth century.

**SOC03302****SOCIOLOGY OF RELIGION****Credits: 6****Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students having credit for SOC0393 or SOC0 390.

Theories and research studies of the socio-cultural determinants of religious forms and orientations, as well as the reciprocal impact of religion on socio-cultural commitments, action and institutional formations.

**SOC03303****CAPE BRETON SOCIETY TODAY****Credits: 3****Prerequisite:**

SOC03301; or permission of instructor.

**Exclusions:**

Unavailable to students with credit for SOC0353 or SOC0453.

Continuities and crises in contemporary Cape Breton society, in larger perspective, emphasizing the interplay between intimate processes of character, family, community and workplace.

**SOC03304****RELIGION, SCIENCE & SOCIETY****Credits: 3****Prerequisite:**

12 credits in Anthropology and/or Sociology.

**Exclusions:**

Unavailable to students with credit for SOCO395.

Analysis of changing attitudes and perceptions about religion and science. Examining the structure and function, public perception and social construction of these two realms of knowledge.

## **SOCO3306**

### **CONTEMPORARY ISSUES IN EDUCATION**

**Credits: 3**

**Prerequisite:**

9 credits introductory Anthropology and/or Sociology 3 of which must be SOCO2304.

**Exclusions:**

Unavailable to students with credit for SOCO287.

A critical exploration of issues of diversity, privilege and marginalization in relation to curriculum and education as social institutions. May include discussions of critical pedagogy, multiculturalism, humane education, Afro-centric and/or Aboriginal-centred curricula.

## **SOCO3307**

### **CRIMINOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits Anthropology and/or Sociology.

This course will introduce students to various sociological understand of criminalized behaviour. How do particular actions become criminalized? What social economic and cultural conditions increase or decrease crime rates? What are the most and least effective responses to crime?

## **SOCO3800**

### **DIRECTED INDEPENDENT STUDY: SOCIOLOGY**

**Credits: 3**

**Prerequisite:**

Prerequisites: 12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 3-credit versions, 3801 and 3803; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **SOCO3801**

### **DIRECTED INDEPENDENT STUDY: SOCIOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **SOCO3803**

### **DIRECTED INDEPENDENT STUDY: SOCIOLOGY**

**Credits: 3**

**Prerequisite:**

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **SOCO4300**

### **CLASSICAL THEORY IN SOCIOLOGY**

**Credits: 6**

**Prerequisite:**

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

**Exclusions:**

Unavailable to students with credit for ANTH or AN/S or SOCO440.

Each of the above three choices satisfies the four year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-nineteenth to the mid-twentieth century.

## **SOCO4302**

### **CONTEMPORARY SOCIOLOGICAL THEORY**

**Credits: 6****Prerequisite:**

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

**Exclusions:**

Unavailable to students with credit for ANTH or AN/S or SOCO470.

Each of the above three choices satisfies the 4-year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-twentieth century to the present.

## **SOCO4801**

### **DIRECTED INDEPENDENT STUDY: SOCIOLOGY**

**Credits: 3****Prerequisite:**

18 credits with 60% average in Anthropology and/or Sociology, including 6 credits above the 2000 level. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a fourth-year level. (See also third-year versions, 3800 and 3801/3803.) A student seeking a more extended, project-focused senior experience should choose the 4811/4813 combination or 4900, but can take one or more 4801 courses for additional topics. AN/S, ANTH, SOCO 4801 is intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

## **SOCO4811**

### **DIRECTED INDEPENDENT PROJECT PROPOSAL: SOCIOLOGY, SENIOR LEVEL**

**Credits: 3**

**Prerequisite:**

18 credits with 65% average in Anthropology and/or Sociology, including 6 credits above 2000 level and 6 credits in research methods (AN/S2210 or 2212); plus a one-page statement of objectives and an idea for a potential project and/or consultation with the professor before registration

Satisfies the Group 6 requirement for a Directed Study in the four year major BA core. The AN/S4811 and AN/S4813 together replace the old AN/S498. AN/S, ANTH, SOCO4811 is intended only for a senior student, concentrating in the discipline, who is planning also to complete 4813. The 4811/4813 combination is project-focused, as an alternative to the more rigorous 4900 thesis course. The 4811 includes development of a topic, literature search and submission of a project proposal. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. (See also the third-year counterparts, 3800 and 3811/3813. For a 3-credit alternative to the project-focused 4811/4813, see 4801.) AN/S, ANTH, SOCO4811/4813 are intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

## **SOCO4813**

### **DIRECTED INDEPENDENT PROJECT IMPLEMENTATION: SOCIOLOGY, SENIOR LEVEL**

**Credits: 3**

**Prerequisite:**

AN/S or ANTH or SOCO4811

In 4813 the student carries to completion the project developed in 4811. In some years, the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Can be credited towards the four year major BA core requirement for Thesis/Directed Study (6 credits).

## **SOCO4900**

### **HONOURS THESIS, SOCIOLOGY**

**Credits: 6**

**Prerequisite:**

24 credits with 75% average in Anthropology and/or Sociology, including 6 credits in research methods (AN/S2210 or 2212) and/or in theory (ANTH3100 or SOCO3300); plus a one-page statement of motives and aims in taking the course and/or consultation with the professor before registration

Satisfies Group 6 of the four year major BA core. Required for Honours. AN/S, ANTH, SOCO4900 is intended for high ability senior students specializing in Anthropology and/or Sociology, especially those who hope to prepare for admission to a Master's program. It is an individualized project, culminating in a formal thesis. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Students seeking a similar but somewhat less demanding experience should consider 4811 and 4813.

## **SOSC9995**

### **UNSPECIFIED SOCIAL SCIENCE**

**Credits: 3**

## **SOSV2103**

### **INTRO TO SOCIAL SERVICES**

**Credits: 3**

## **SPAN1100**

### **INTRODUCTION TO SPANISH**

**Credits: 6**

**Exclusions:**

Unavailable to students with credit for SPAN100.

This course is designed for students with limited or no knowledge of the Spanish language. It covers the essentials of grammar and vocabulary, expression and comprehension, in basic language structures leading to an effective communication in both oral and written forms.

## **SPAN2100**

### **INTERMEDIATE SPANISH**

**Credits: 6**

**Prerequisite:**

SPAN1100

**Exclusions:**

Unavailable to students with credit for SPAN200.

This course is a comprehensive review of grammar, comprehension , and expression in oral and written form. Advanced grammar, conversation and composition, introduction to literature and assignments.

**SPHK1100****INTRODUCTION TO SPORT & HUMAN KINETICS****Credits: 6****Exclusions:**

Unavailable to students with credit for SPHK100

This course considers knowledge, theory, and application related to physical activity and sport. Human movement is examined from various perspectives including anatomy, physiology, motor learning, pedagogy, sport and exercise psychology, sport sociology and sport ethics. A review of SPHK based career options is included.

**SPHK1104****PHYSICAL ACTIVITY & SPORT PRACTICE****Credits: 3****Exclusions:**

Unavailable to students with credit for SPHK100 or SPHK1100

This course considers knowledge, theory, and application related to physical activity and sport. It includes a review of human kinetics-based career options and provides training and practice in movement skills for students to work with children in developing physical literacy.

**SPHK1105****THEORIES & CONCEPTS IN PHYSICAL ACTIVITY & SPORT****Credits: 3****Exclusions:**

Unavailable to students with credit for SPHK100 or SPHK1100

This course considers knowledge, theory, and application related to physical activity and sport. Human movement is examined from various perspectives, including anatomy, physiology, nutrition, energy systems, and sport psychology

## **SPHK2100**

### **SPORT MANAGEMENT**

**Credits: 6**

**Prerequisite:**

SPHK1100

The structure, function and systems of sports and recreation in Canada. Includes recreation and leisure programming, market surveys and job specification/requirements

## **SPHK2103**

### **SPORT SKILLS & LEADERSHIP**

**Credits: 3**

**Prerequisite:**

SPHK1100

This course will focus on the acquisition of basic skills and development of theoretical knowledge fundamental to one individual sport and one team sport. This is an activity course primarily in the gym using hands-on experiential learning.

## **SPHK2104**

### **OUTDOOR SKILLS & LEADERSHIP**

**Credits: 3**

**Prerequisite:**

SPHK1100

**Exclusions:**

Unavailable to students with credit for SPHK133.

This course utilizes outdoor experiences and examines the meaning, scope and values of outdoor leadership. Emphasis is given to historical and philosophical foundations and the application of instructional procedures for providing appropriate leadership. Significant trends and existing outdoor programs are explored



## **SPHK2105**

### **EXERCISE AND PERSONAL FITNESS**

**Credits: 3**

**Prerequisite:**

SPHK1100

**Exclusions:**

Unavailable to students with credit for SPHK377 or SPHK3105.

The course explores physical fitness and wellness models, strategies, interventions, and policies. Topics include the principles of exercise prescription for cardiovascular fitness, muscular fitness, body composition and performance. Emphasis is placed on personal health, nutrition, stress, behaviour change strategies, and motivational techniques.

## **SPHK2106**

### **OUTDOOR LEADERSHIP**

**Credits: 3**

**Exclusions:**

Unavailable to students with credit for SPHK1101 or SPHK133.

This course utilizes practical experiences and includes detailed examination of the meaning, scope, and values of outdoor leadership. Emphasis is given to historical and philosophical foundations of outdoor recreation and sport and the application of instructional procedures for providing appropriate leadership. Significant trends and existing outdoor programs are also examined.

## **SPHK2107**

### **INTRODUCTION TO SPORT NUTRITION**

**Credits: 3**

**Prerequisite:**

SPHK100/1100 or permission of instructor.

Cross-listed with NUTR2107 The six nutrient classes and their basic metabolism in healthy individuals are reviewed. These six nutrient classes and their metabolism are then explained in terms of training, competition and post-competition nutrition for maximising performance in specific sports covering the aerobic, anaerobic and interval spectrum (e.g. marathon running, sprinting, basketball, soccer, hockey). The interaction of diet and genetics in sports will be discussed. Finally, sources of information on sport nutrition will be noted and assessed for their reliability.

## **SPHK2108**

### **PHYSICAL ACTIVITY SKILLS & LEADERSHIP**

**Credits: 3**

**Prerequisite:**

SPHK100/1100 or permission of instructor.

This course focuses on the development of practical and theoretical knowledge fundamental to resistant/weight training and cardiovascular training with individuals and groups. This is an activity course primarily in the gym and fitness centre using hands-on experiential learning.

## **SPHK2109**

### **SPORT & RECREATION IN THE CANADIAN CONTEXT**

**Credits: 3**

**Prerequisite:**

SPHK1100 or SPHK1104 and SPHK1105

**Exclusions:**

Unavailable to students with credit for SPHK200 or SPHK2100

This course will examine the delivery of sport and recreation locally, regionally, nationally and globally. It will focus on the structures, systems and organizations that deliver sport and recreational programming historically and currently.

## **SPHK2111**

### **SPORT & RECREATION MANAGEMENT**

**Credits: 3**

**Prerequisite:**

SPHK1100 or SPHK1104 and SPHK1105

**Exclusions:**

Unavailable to students with credit for SPHK200 or SPHK2100

This course will focus on organization and administrative principles as they apply to sport and physical activity. Management and leadership concepts will be examined in commercial, industrial, educational and public sector settings.

## **SPHK2208**

### **PHILOSOPHY, ETHICS & SPORT**

**Credits: 3**

Cross-listed with PHIL2208 This course addresses sport from philosophical and moral perspectives to enrich our understanding of sport from the perspectives of practitioners, coaches, referees, and marketers of sport.

## **SPHK2603**

### **THE LITERATURE OF SPORT**

**Credits: 3**

**Prerequisite:**

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or SPHK 1100

Cross-listed with ENGL2603 A consideration of the way sports have been understood and represented in various forms of literature.

## **SPHK3101**

### **FACILITIES DESIGN AND MANAGEMENT**

**Credits: 3**

**Prerequisite:**

SPHK1100

**Exclusions:**

Unavailable to students with credit for SPHK311.

The design and management of human kinetics sports/recreation facilities.

## **SPHK3103**

### **PUBLIC RELATIONS IN SPORT & RECREATION**

**Credits: 3**

**Prerequisite:**

SPHK1100

**Exclusions:**

Unavailable to students with credit for SPHK313.

An examination of public relations in professional and amateur sport and the unique relations between sport, media and the stakeholders they serve. Topics include the development of a public relations campaign, crisis management, media relations through traditional and social media, social responsibility of the athletes/organizations and integrating public relations into strategic management for recreation and sport organizations.

**SPHK3104****ADVANCED COACHING****Credits: 3****Prerequisite:**

SPHK1100

**Exclusions:**

Unavailable to students with credit for SPHK375.

An in-depth analysis of modern day coaching/training practices and their effect on individual athletes and team performance.

**SPHK3106****ADVENTURE PROGRAMMING & OUTDOOR RECREATION****Credits: 3****Prerequisite:**

SPHK1100 and SPHK2104.

**Exclusions:**

Unavailable to students with credit for SPHK233 or SPHK2101.

This course teaches students how to plan, implement and evaluate outdoor and adventure-based learning programs. It explores the historical, theoretical, and practical foundations of adventure as well as outdoor, ecological, and experiential education. It focuses on conventional and innovative applications and models of these pedagogies

**SPHK3107****PREVENTION AND CARE OF ATHLETIC INJURIES**

**Credits: 3**

**Prerequisite:**

SPHK1100 or SPHK1104/1105 or PUBH2104 Anatomy & Physiology or BIOL2203 Human Anatomy and BIOL3203 Human Physiology.

This course includes an analysis of selected athletic injuries including safety, prevention, causes, evaluation and care. Classes involve experiential learning with hands on prevention and treatment demonstration and practice. Students who plan to enter a professional program such as physiotherapy are encouraged to take the biology prerequisites. Students should consult a Community Studies advisor.

## **SPHK3108**

### **COMMUNITY HEALTH & PHYSICAL ACTIVITY PROMOTION**

**Credits: 3**

**Prerequisite:**

SPHK1100 and SPHK2105.

This course examines the current perspectives and strategies of health promotion and health education. The course will focus on the encouragement of physical activity and related lifestyle behaviours in a community setting.

## **SPHK3109**

### **APPLIED SPORT & EXERCISE PSYCHOLOGY**

**Credits: 3**

**Prerequisite:**

SPHK1100 or PSYC1101 and PSYC1103

**Exclusions:**

PSYC484

This course explores the concepts and modern theories of sport and exercise psychology. Students learn relevant psychology skills with emphasis placed on developing and applying positive strategies and perspectives that enhance quality and consistency of performance in the sport and exercise context.

## **SSTC1989**

### **BSC/BET CO-OP WORK TERM I**

**Credits: 3**

**Prerequisite:**

24 credits

**Exclusions:**

No more than 6 credits of SSTC may be used in a BSc

Work Term 1 requires 525 hours (15 weeks) of paid employment with a minimum of 35 hours per week with an organization approved by the appropriate Departmental Chair. Exceptions to weeks of employment or minimum number of hours have to be approved by the Dean's office.

## **SSTC2989**

### **BSC/BET CO-O WORK TERM II**

**Credits: 3****Prerequisite:**

At least four academic terms and 48 credits

**Exclusions:**

No more than 6 credits of SSTC may be used in a BSc

Work Term II requires 525 hours (15 weeks) of paid employment with a minimum of 35 hours per week with an organization approved by the appropriate Departmental Chair. Exceptions to weeks of employment or minimum number of hours have to be approved by the Dean's office.

## **SSTC3989**

### **BSC/BET CO-OP WORK TERM III**

**Credits: 3****Prerequisite:**

At least six academic terms and 72 credits including SSTC1989 or SSTC2989.

**Exclusions:**

No more than 6 credits of SSTC may be used in a BSc

Work Term III requires 525 hours (15 weeks) of paid employment with a minimum of 35 hours per week with an organization approved by the appropriate Departmental Chair. Exceptions to weeks of employment or minimum number of hours have to be approved by the Dean's office

End of Academic Calendar