

*GRENFELL CAMPUS*

# GRENFELL CAMPUS

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[www.grenfell.mun.ca](http://www.grenfell.mun.ca)

## Vice-President

[www.grenfell.mun.ca/vp](http://www.grenfell.mun.ca/vp)

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Up-to-date personnel listings are available at [www.grenfell.mun.ca/campus-services/Pages/Directory.aspx](http://www.grenfell.mun.ca/campus-services/Pages/Directory.aspx).

# 1 The Memorial University of Newfoundland Code

The attention of all members of the University community is drawn to the section of the University Calendar titled **The Memorial University of Newfoundland Code**, which articulates the University's commitment to maintaining the highest standards of academic integrity.

## 2 Student Code of Conduct

Memorial University of Newfoundland expects that students will conduct themselves in compliance with University Regulations and Policies, Departmental Policies, and Federal, Provincial and Municipal laws, as well as codes of ethics that govern students who are members of regulated professions. The *Student Code of Conduct* outlines the behaviors which the University considers to be non-academic misconduct offences, and the range of remedies and/or penalties which may be imposed. Academic misconduct is outlined in **UNIVERSITY REGULATIONS - Academic Misconduct** in the University Calendar.

For more information about the *Student Code of Conduct*, see [www.mun.ca/student](http://www.mun.ca/student).

## 3 Grenfell Campus Description

[www.grenfell.mun.ca](http://www.grenfell.mun.ca)

Grenfell Campus, Memorial University of Newfoundland, was established in September 1975, and originally was called the Western Regional College. In 1979 it was named Sir Wilfred Grenfell College, honouring the memory of the medical missionary who pioneered medicine in northern Newfoundland and along the coast of Labrador. In 2010, it was renamed Grenfell Campus, Memorial University of Newfoundland.

Four-year undergraduate degree programs in Arts, Business Administration, Environment and Sustainability, Fine Arts, Nursing, and Science may be completed at Grenfell Campus, as well as an accelerated program in Nursing. The Bachelor of Arts degree is available in English, Historical Studies, Humanities, Psychology, and Social/Cultural Studies, and the Bachelor of Arts (Honours) may be obtained in Psychology. The Bachelor of Business Administration is offered as general and honours degrees. The Bachelor of Science is offered in Computational Mathematics, Environmental Science, General Science, Physics, and Psychology and the Bachelor of Science (Honours) is offered in Environmental Science, and Psychology, and the University's four-year Bachelor of Nursing degree is offered in conjunction with the Western Regional School of Nursing in Corner Brook. Bachelor of Fine Arts degrees are conferred in Theatre and Visual Arts. These programs differ from those offered on the St. John's Campus and many are available only at the Grenfell Campus. Grenfell Campus also offers graduate programs in boreal ecosystems and agricultural science, environmental policy, and in visual arts. For information regarding graduate programs see the School of Graduate Studies at [www.mun.ca/sgs](http://www.mun.ca/sgs).

Students at Grenfell Campus may also complete the first-year requirements of several programs offered at St. John's Campus including the requirements of the Engineering One Program. It is recommended that students meet with an academic advisor concerning course selection for specific programs.

Students have the option of completing distance and web-based credit courses offered by Memorial University of Newfoundland's Centre for Innovation in Teaching and Learning (CITL). As well, Grenfell's Office of Engagement offers a wide variety of non-credit courses to students, the Campus community, and the general public.

Grenfell's physical location affords the Campus a spectacular view of the city of Corner Brook and the scenic Bay of Islands. All Campus buildings are connected by a series of skywalks and tunnels. The Arts and Science Building houses administrative and academic units, a bookstore, an athletics and recreation wing, a student residence, the Grenfell Campus Student Union Student Centre and the Grenfell Campus Observatory and astronomical telescope. The Library and Computing Building includes Ferriss Hodgett Library, a computer lab and the largest lecture theatre on Campus. The Fine Arts Building contains facilities for visual arts and theatre students. It features a 160 seat theatre, dressing rooms, scenery, costume and properties workshops, as well as an actors' green room and a rehearsal hall. The Fine Arts Building also includes an art gallery, art storage vault, studios for drawing, painting, sculpture, multi-media and photography, darkrooms, and workshops for lithography, intaglio and serigraphy. The Forest Centre houses classroom, laboratory and research facilities for the Campus as well as the Atlantic Division of the Canadian Forest Service, Natural Resources Canada. Adjacent to the Forest Centre is a boreal ecosystem research facility, which supports research in agricultural, environmental and boreal sectors.

Additional information regarding the Grenfell Campus is available at [www.grenfell.mun.ca](http://www.grenfell.mun.ca).

Students must meet all regulations of Grenfell Campus in addition to those stated in the general regulations.

For information concerning admission/readmission to the University and general academic regulations (undergraduate), refer to **UNIVERSITY REGULATIONS**.

For information concerning fees and charges, see the Financial and Administrative Services website at [www.mun.ca/finance/fees/](http://www.mun.ca/finance/fees/).

For information concerning scholarships, bursaries and awards, see [www.mun.ca/scholarships/scholarships](http://www.mun.ca/scholarships/scholarships).

### 3.1 Statement of Academic Purpose

Grenfell Campus, as part of Memorial University of Newfoundland, is a four year undergraduate degree granting institution offering a liberal education in arts and science and a professional education in business, nursing, theatre and visual arts. In addition, the Campus continues to accommodate students who wish to complete their degrees at Memorial University of Newfoundland in St. John's or at universities elsewhere.

At Grenfell Campus a liberal education means a critical and open-minded pursuit of knowledge providing students with the intellectual tools to enable them to respond to a rapidly changing world. A liberal education marks the start of preparation for a career and it may lead to graduate work in a number of fields. In a broader sense it is intended to build a foundation for social, cultural and recreational interests that will help students move toward a meaningful personal and professional life. Academically, the aim of Grenfell Campus is to enable students to be open to new ways of thinking and to gain a lasting intellectual self-confidence so that they may have both the ability and the desire to be life-long learners.

At Grenfell Campus the goal of high quality education is reflected in the following commitments:

1. to teach students in a variety of challenging contexts and in general provide them with a personalized learning environment;

2. to maintain high academic standards;
3. to foster excellence in teaching, to encourage scholarship, research, performance and artistic endeavour, and to engage students, where appropriate, in these activities.

## 4 General Information

In addition to the information given below, further information regarding Grenfell Campus is available at [www.grenfell.mun.ca](http://www.grenfell.mun.ca).

### 4.1 Advice to Students on Planning a Program

[www.grenfell.mun.ca/registrar](http://www.grenfell.mun.ca/registrar)

[www.grenfell.mun.ca/undergraduate-studies](http://www.grenfell.mun.ca/undergraduate-studies)

When planning the sequence of courses for a Major or Minor Program, or to ensure that a proposed degree program is possible within the constraints of course scheduling and prerequisites, students should seek advice from the Office of the Registrar or the appropriate Program Chair.

### 4.2 Student Unions

[www.grenfell.mun.ca/current-students/Pages/student-union.aspx](http://www.grenfell.mun.ca/current-students/Pages/student-union.aspx)

The undergraduate Grenfell Campus Student Union (GCSU), Local 36, CFS, represents students' interests to the Campus administration and on a provincial and national level through the Canadian Federation of Students. The GCSU also promotes artistic, literary, educational, social, recreational, charitable, and sporting activities for the enhancement of the students of the Campus.

Information regarding the graduate student union is available at [www.gsumun.ca/](http://www.gsumun.ca/).

All full and part-time students pay student union fees and upon registration become members of the student unions.

### 4.3 Library

[www.library.mun.ca/grenfell](http://www.library.mun.ca/grenfell)

Small branch, big collection! The Ferriss Hodgett Library is one of five libraries that make up the Memorial University of Newfoundland Libraries system. It provides local personalized service and a core collection of over 120,000 books, 200 print journal subscriptions, and other materials, combined with access to a much larger collection of print and online resources. Over 1,000,000 books and articles can be requested from the St. John's campus, and if it's not available through Memorial University of Newfoundland, can be obtained from other libraries worldwide.

Everyone is always welcome in the Library, but for those who like to research after hours or from the comfort of dorms or homes, remote access to the Library catalogue, over 20,000 e-books, 200 article databases, and 26,000 e-journals is available 24/7, making library research easier than ever. The Library also provides equipment loans to support emerging research needs such as eBook readers, digital voice recorders, portable DVD players, and more.

The Library has an Information Commons, with computers providing access to the Library's online resources (like e-journals and e-books), Internet, email, MS Office, and other software. Students can bring their laptops into the Library and access all online services using the campus wireless network. There are a variety of study spaces, from group study rooms to individual study carrels and laptop chairs.

A full range of public services are offered including research assistance, tours, library instruction classes, and support for copyright enquiries.

### 4.4 Student Services

[www.grenfell.mun.ca/current-students](http://www.grenfell.mun.ca/current-students)

#### 4.4.1 Aboriginal Student Services

[www.grenfell.mun.ca/aboriginal-students](http://www.grenfell.mun.ca/aboriginal-students)

Student Services provides a variety of services to Aboriginal students attending Grenfell Campus. The Student Affairs Officer-Aboriginal Affairs assists and/or refers students on matters related to admission requirements, adaptation to an academic/urban environment, and connections with Aboriginal communities on- and off-campus. Activities are organized on-campus to raise awareness about Aboriginal cultures and to develop opportunities for engaging Aboriginal students in life at Grenfell Campus. As well, the Aboriginal Student Centre is a designated culturally safe space for smudging and Ku/Ilk lighting. Further information may be obtained through the website at [www.grenfell.mun.ca/aboriginal-students](http://www.grenfell.mun.ca/aboriginal-students), by e-mail to [studentservices@grenfell.mun.ca](mailto:studentservices@grenfell.mun.ca), or by telephone to (709) 637-6232.

#### 4.4.2 Athletics

[www.grenfell.mun.ca/athletics](http://www.grenfell.mun.ca/athletics)

Grenfell Campus competitive sports offerings include men's and women's basketball, women's volleyball, cross country skiing, and swimming. Further information may be obtained through the website at [www.grenfell.mun.ca/athletics](http://www.grenfell.mun.ca/athletics) or by telephone to (709) 637-7315.

#### 4.4.3 Counselling and Psychological Services

[www.grenfell.mun.ca/cps](http://www.grenfell.mun.ca/cps)

The Campus has a full-time registered psychologist and two part-time professional counsellors in Counselling and Psychological Services, which is physically located within Health Services at Grenfell Campus. One of the counsellors works exclusively with Western Regional School of Nursing students and is located in Monaghan Hall. Counselling and Psychological Services provides a free and confidential service to students including personal, academic and career counselling. The services may be provided through individual appointments, group programming and/or on-line support. When necessary, counselling services can arrange referrals to other professionals in the community. In addition, psychoeducational assessments are available on a fee-for-service basis for currently registered students seeking academic accommodations. Further Information may be obtained through the web site at [www.grenfell.mun.ca/cps](http://www.grenfell.mun.ca/cps) or by telephone to (709) 637-7919.

#### 4.4.4 Health Services

[www.grenfell.mun.ca/health](http://www.grenfell.mun.ca/health)

Health Services provides students with access to a variety of allied health services including physiotherapy and massage. In addition, through a partnership with the Western Regional School of Nursing, Grenfell Campus offers a variety of sessions designed to promote healthy living. Further information may be obtained in-person in the Bennett Wing of the Arts and Science building (AS 243), through the website at [www.grenfell.mun.ca/recreation](http://www.grenfell.mun.ca/recreation), or by telephone to (709) 637-7919.

#### 4.4.5 International Student Services

[www.grenfell.mun.ca/international](http://www.grenfell.mun.ca/international)

International Student Services provides settlement and integration services to foreign students. New students must meet with the student programming coordinator (international) upon arrival for advice concerning their stay at the University and their compulsory health insurance program. Further information may be obtained through the website at [www.grenfell.mun.ca/international](http://www.grenfell.mun.ca/international) or by telephone to (709) 639-6525.

#### 4.4.6 The Learning Centre

[www.grenfell.mun.ca/learning-centre](http://www.grenfell.mun.ca/learning-centre)

The Learning Centre, the Grenfell Campus is the academic support centre at Grenfell Campus. Staff assist students with writing, math, and study skills. Peer tutoring and supplemental instruction are available to students free of charge.

Students who require accommodations because of a disability should contact the Accessibility Centre & Education Support (ACES) through the web at [www.grenfell.mun.ca/disability-services](http://www.grenfell.mun.ca/disability-services) or by telephone to (709) 637-6232.

#### 4.4.7 Student Housing

[www.grenfell.mun.ca/housing](http://www.grenfell.mun.ca/housing)

Student Housing currently offers accommodation for 600 students in suite-style residences and chalet apartments. The suite-style residences are mainly for first-year students while the chalet-style apartments are mainly for students beyond first-year and families. In each apartment, four students share a living room, kitchen and one-and-a-half baths and each has their own room. Individual phones and Internet ports are provided.

Student Housing facilitates a variety of programs and activities to meet the diverse interests of residents and encourages students to get involved.

Further information may be obtained by telephone to (709) 637-6266, or by e-mail at [resinfo@grenfell.mun.ca](mailto:resinfo@grenfell.mun.ca) or through the website at [www.grenfell.mun.ca/housing](http://www.grenfell.mun.ca/housing).

#### 4.4.8 Wellness

[www.grenfell.mun.ca/recreation](http://www.grenfell.mun.ca/recreation)

Grenfell Campus offers recreation and wellness activities that contribute to the well-being and personal and social development of students. The Campus has a double gymnasium. Students at Grenfell have the opportunity to participate in a variety of different recreation programs, such as: intramural sports, step aerobics, yoga, downhill skiing, and curling. Students also have access to a fitness centre (which includes cardio equipment, weights and squash courts), skating, hockey and a walking track. Students may purchase a recreation pass in order to participate in these activities. Further information may be obtained by telephone to (709) 637-6232.

## 5 Description of Programs

Students must meet all regulations of Grenfell Campus in addition to those stated in the general regulations. For information concerning admission/readmission to the University and general academic regulations (undergraduate), refer to **UNIVERSITY REGULATIONS**.

For information concerning fees and charges, see the Financial and Administrative Services website at [www.mun.ca/finance/fees/](http://www.mun.ca/finance/fees/).

### 5.1 General Degrees

Grenfell Campus has three Schools; the School of Arts and Social Science, the School of Fine Arts, and the School of Science and the Environment. Grenfell Campus offers seven general degrees in sixteen program areas. For specific details on each degree refer to the appropriate **Admission/Readmission Regulations for Grenfell Campus** and **Program Regulations - General and Honours Degrees**. The School of Arts and Social Science also offers English as a Second Language non-degree programs.

#### 5.1.1 Arts Degree

Bachelor of Arts degree programs are offered under the School of Arts and Social Science.

The School of Arts and Social Science offers the Bachelor of Arts Degree with majors in **English Language and Literature**, **Historical Studies**, **Humanities**, **Psychology**, and **Social/Cultural Studies**.

The Bachelor of Arts degree program is comprised of 120 credit hours, 40 courses, and may be completed on a full or part-time basis. Students will examine culture, thought, prehistory and history, human interactions, and the social and natural forces that constantly transform our society. Students gain critical-thinking, analytical and communication skills needed to succeed and adapt in a changing world through the study of a major and minor. Students must complete a minimum of 120 credit hours made up of **Core Program Requirements**, an approved concentration of courses known as a Major, an approved concentration of courses known as a Minor, and elective courses. A Minor is not required for Interdisciplinary programs. However, students in such programs may choose to complete a minor. A student may not use the same course to satisfy the requirements for both a Major and a Minor.

Majors are available in English Language and Literature, Historical Studies, Humanities, Psychology, and Social/Cultural Studies. The requirements for a Major can be fulfilled in one of two ways:

1. a minimum of 36 credit hours in a single discipline. Students choosing a single discipline major, with the exception of Bachelor of Science in Psychology, must complete one of the following: a minor or with the permission of the appropriate program chair(s), a second major. Actual credit hours required for specific disciplines will vary, or
2. a minimum of 72 credit hours in an interdisciplinary area.

All Majors require a minimum of 12 credit hours in 3000-level courses, 6 credit hours in 4000-level courses and 3 credit hours in a 4000-level senior project. A candidate must follow the specific requirements for each major program as set forth in the Grenfell Campus

section of the University Calendar . Single discipline majors are available in following areas: English, Historical Studies, Humanities, and Psychology (B.A. and B.Sc.). Interdisciplinary majors are available in following areas: Social/Cultural Studies.

A Minor requires a minimum of 24 credit hours which must be completed in a single discipline or interdisciplinary area other than that of the Major. Minors are available in the following areas: Art History, Business, Canadian Studies, Classics, Economics, English, Environmental Science, Environmental and Sustainability, Folklore, French, Geography, Historical Studies, Humanities, Mathematics, Philosophy, Physics, Psychology, Religious Studies, Science, Social/Cultural Studies, Sociology, and Tourism Studies. A candidate must follow the requirements for the Minor program as set forth in the Grenfell Campus section of the University Calendar. As an alternative to a Minor, a second Major may be completed and students must meet all general and departmental or program regulations for both Majors.

Elective courses to make up the total of 120 credit hours, other than those required for the core program and Major/Minor requirements, may be chosen according to the following guidelines: Any courses in arts, social science, science and fine arts, and up to 15 credit hours in other subject areas.

### 5.1.2 Business Degree

The Bachelor of Business Administration (B.B.A.) is offered under the School of Arts and Social Science.

The Bachelor of Business Administration is comprised of 120 credit hours, 40 courses, and may be completed on a full or part-time basis. The program is designed to deliver a comprehensive foundation in the fundamental areas of business and decision making.

Articulation Agreements with the College of the North Atlantic are in place for students who have completed the two-year Business Administration (Accounting), the two-year Business Administration (Human Resource Management), the two-year Business Administration (Marketing), the three-year Business Management (Accounting), the three-year Business Management (Human Resource Management), or the three-year Business Management (Marketing) diploma programs and who wish to complete the Bachelor of Business Administration degree program at Grenfell Campus.

Articulation Agreements with the St. John's College Junior College, Belize are in place for students who have completed the two-year Business Administration (General), the two-year Business Administration (Accounting), the two-year Business Administration (Economics), or the two-year Business Administration (Tourism) associate degree programs and who wish to complete the Bachelor of Business Administration degree program at Grenfell Campus.

For specific admission and program requirements see **Admission/Readmission Regulations for Programs Offered by the School of Arts and Social Science, Bachelor of Business Administration and Program Regulations - General and Honours Degree, the School of Arts and Social Science.**

### 5.1.3 Education Degree

The Grenfell Campus offering of this program is currently under review and may not be available for intake at this time. For further information please contact the Office of Academic Programs, Faculty of Education.

### 5.1.4 Environment and Sustainability Degree

The Bachelor of Environment and Sustainability is offered under the School of Science and the Environment. The Bachelor of Environment and Sustainability is a four-year program comprised of 40 courses (120 credit hours) and may be completed on a full or part-time basis. The program aims to produce environmental specialists who have an understanding of ethics, as well as the many ecological, social, and economic factors that influence environmental decision making. The program offers students the opportunity to Major in either Resource Management or Environmental Studies. For specific admission and program requirements see **Admission/Readmission Regulations for Programs Offered by the School of Science and the Environment and Program Regulations - General and Honours Degree, School of Science and the Environment.**

Articulation Agreements with the College of the North Atlantic are in place for students who have completed the two-year Fish and Wildlife Technician or the two-year Forest Resources Technician Diploma and who wish to complete the Bachelor of Environment and Sustainability degree program at Grenfell Campus. For specific admission and program requirements see **Admission/Readmission Regulations for Programs Offered by the School of Science and the Environment and Program Regulations - General and Honours Degree, School of Science and the Environment.**

### 5.1.5 Fine Arts Degree

The Bachelor of Fine Arts is offered under the School of Fine Arts.

The Bachelor of Fine Arts is available in **Theatre** or **Visual Arts**. For specific admission and program requirements see **Admission/Readmission Regulations for Programs Offered by the School of Fine Arts and Program Regulations - General and Honours Degree, School of Fine Arts.**

#### 5.1.5.1 Theatre

The Bachelor of Fine Arts (Theatre) is comprised of 120 credit hours, 36 courses and is normally completed on a full-time basis. This program is designed to educate and train the student in the history, theory and practice of the theatre arts.

#### 5.1.5.2 Visual Arts

The Bachelor of Fine Arts (Visual Arts) is comprised of 120 credit hours, 40 courses and a non-credit health and safety course, and is normally completed on a full-time basis. This professional program is designed to educate and train students in the history, theory, and practice of the visual arts.

### 5.1.6 Nursing Degree

The **Bachelor of Nursing (Collaborative)** is a four-year program comprised of 130 credit hours and is completed on a full-time basis. The program is designed to prepare entry-level nurses who will function within a variety of health care settings. For specific admission and program requirements see **Admission/Readmission Regulations for the Faculty of Nursing and Program Regulations, General Degree, Bachelor of Nursing (Collaborative).** The program is completed at Grenfell Campus and the Western Regional School of Nursing.

The **Bachelor of Nursing (Collaborative) Accelerated Option** is designed for students with well-developed university-level study skills and prior completion of at least 60 credit hours in university level courses. This full-time Option is comprised of 106 credit hours taken over eight consecutive semesters. For specific admission and program requirements see **Admission/Readmission Regulations for the Faculty of Nursing and Program Regulations, General Degree, Bachelor of Nursing (Collaborative) Accelerated Option** The program is completed at Grenfell Campus and the Western Regional School of Nursing.



### 5.1.7 Science Degree

Bachelor of Science degree programs are offered under the School of Arts and Social Science and the School of Science and the Environment.

The School of Science and the Environment offers the Bachelor of Science with Majors in **Computational Mathematics**, **Environmental Science** (Biology or Chemistry), **General Science**, and **Physics** general degrees. The School of Arts and Social Science offers the **Bachelor of Science with Major in Psychology** which follows the regulations of that School.

The Bachelor of Science is a four-year program comprised of 40 courses, 120 credit hours and may be completed on a full or part-time basis. Students must complete a minimum of 120 credit hours made up of **Core Program Requirements**, an approved concentration of courses known as a Major and elective courses. Students may also choose to complete an approved concentration of courses known as a Minor as part of the 120 credit hours.

For specific admission and program requirements see **Admission/Readmission Regulations for Programs Offered by the School of Science and the Environment** and **Program Regulations - General and Honours Degree, School of Science and the Environment**.

## 5.2 Honours Degrees

Programs are offered leading to the Honours Degrees of Bachelor of Arts, Bachelor of Business Administration, and Bachelor of Science. An Honours degree requires, over and above the requirement of the General degree, a concentration at an advanced level in an approved field, consisting of a subject or subjects of specialization and/or related subjects, and a high quality of work throughout the program. An Honours degree is of distinct advantage to students who plan advanced work or careers in their chosen fields and also to those who have a clear commitment to some special field of study. An Honours degree with first or second class standing is, in many cases, a prerequisite for admission to a graduate program. For specific details on each degree refer to the appropriate **Program Regulations - General and Honours Degree, School of Science and the Environment**

## 5.3 Non-Degree Programs

The School of Arts and Social Science offers the non-degree **Intensive English Bridge Program at Grenfell (IEBP-G)** and the **Intensive English Program at Grenfell (IEP-G)**.

### 5.3.1 English as a Second Language

English as a Second Language programs are offered under the School of Arts and Social Science.

The English as a Second Language Office, affiliated with the School of Arts and Social Science, Grenfell Campus, offers year-round programs for adult students wishing to improve their English language skills for academic, professional or personal purposes. These programs include:

1. the **Intensive English Bridge Program at Grenfell (IEBP-G)**;
2. twelve-week non-credit **Intensive English Program at Grenfell (IEP-G)** which are offered year-round on a semesterized basis;
3. tutoring and language development support for current Grenfell Campus, Memorial University of Newfoundland students in undergraduate and graduate degree programs; and
4. custom-designed language and culture programs for schools, universities, or businesses. These can be developed on contract and are either for general learning purposes or to suit the needs of specific disciplines or professions.

The full-time, non-credit **Intensive English Program at Grenfell (IEP-G)** is designed to improve English language skills for academic, professional and personal purposes. Reading, writing, speaking and listening skills are covered, and workshops on culture and social activities promoting integration with the local community also form part of the program. The program prepares the student for full-time university studies in English.

The full-time, non-credit and credit **Intensive English Bridge Program at Grenfell (IEBP-G)** is designed for applicants to Memorial University of Newfoundland who have been provisionally admitted as undergraduate students and who are students of advanced proficiency.

Information regarding the above programs and services is available from the Coordinator of English as a Second Language programs at Grenfell Campus, Memorial University of Newfoundland and online at [www.grenfell.mun.ca/esl](http://www.grenfell.mun.ca/esl).

## 6 Admission/Readmission Regulations for Grenfell Campus

An applicant must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS - Admission/Readmission to the University (Undergraduate), Categories of Applicants, Admission Criteria and Other Information**. In addition to meeting these regulations, an applicant to certain programs offered by Grenfell Campus must meet the requirements as indicated below under the appropriate program and School.

### 6.1 Applications

The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants should apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.

### 6.2 Admission/Readmission Regulations for Programs Offered by the School of Arts and Social Science

1. A student may apply for admission into programs offered by the School of Arts and Social Science directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University. Grenfell Campus reserves the right to limit the number of spaces available in each Major and Minor program.
2. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants must apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin).

Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.

3. Transfer credit cannot be awarded for the following courses: English 4950; History 4950; Humanities 4950; Psychology 4950, 4951, 4959; Social/Cultural Studies 4000, 4100, 4950.

## 6.2.1 Bachelor of Arts Degrees

A student may apply for admission into the Bachelor of Arts program directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application forms are submitted.

### 6.2.1.1 Direct Entry (for High School Students)

Students may apply for admission into the Bachelor of Arts program directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University.

### 6.2.1.2 Transfers from Other Post-Secondary Institutions

1. Students who are transferring from other universities must apply for admission to the University on or before the deadlines specified in the **University Diary** for the semester in which they intend to begin their program, to allow sufficient time for the evaluation of transfer credits. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants must apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.
2. Transfer credit cannot be awarded for the following courses: English 4950; History 4950; Humanities 4950; Psychology 4950, 4951, 4959; Social/Cultural Studies 4000, 4100, 4950.

## 6.2.2 Bachelor of Business Administration

### 6.2.2.1 Direct Entry (for High School Students)

Students may apply for admission into the Bachelor of Business Administration program directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University.

### 6.2.2.2 Current Grenfell Campus Students

Current Grenfell Campus students should select the B.B.A. program on the Declare/Change Academic Program (Grenfell Campus) form available from the Office of the Registrar.

### 6.2.2.3 Transfers from Other Post-Secondary Institutions

1. Students who are transferring from accredited post-secondary institutions must apply for admission to the University on or before the deadlines specified in the **University Diary** for the semester in which they intend to begin their program, to allow sufficient time for the evaluation of transfer credits. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants must apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.
2. Transfer credit cannot be awarded for the following courses: English 4950; History 4950; Humanities 4950; Psychology 4950, 4951, 4959; Social/Cultural Studies 4000, 4100, 4950.

### 6.2.2.4 Articulation Agreements for Bachelor of Business Administration

1. For Graduates of the Two-Year Business Administration (Accounting) Diploma Program Offered by the College of the North Atlantic  
A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Business Administration (Accounting) Diploma Program Offered by the College of the North Atlantic.  
A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.
2. For Graduates of the Two-Year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic  
A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic.  
A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.
3. For Graduates of the Two-Year Business Administration (Marketing) Diploma Program Offered by the College of the North Atlantic  
A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the

online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Business Administration (Marketing) Diploma Program Offered by the College of the North Atlantic.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

4. For Graduates of the Three-Year Business Management (Accounting) Diploma Program Offered by the College of the North Atlantic  
A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the three-Year Business Management (Accounting) Diploma Program Offered by the College of the North Atlantic.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

5. For Graduates of the Three-Year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic

A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the three-year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

6. For Graduates of the Three-Year Business Management (Marketing) Diploma Program Offered by the College of the North Atlantic  
A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the three-year Business Management (Marketing) Diploma Program Offered by the College of the North Atlantic.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

7. For Graduates of the Two-Year Business Administration (General) Associate Degree Program offered by the St. John's College Junior College, Belize

A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Business Administration Associate Degree (General) offered by the St. John's College Junior College, Belize.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

8. For Graduates of the Two-Year Business Administration (Accounting) Associate Degree Program offered by the St. John's College Junior College, Belize

A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Business Administration Associate Degree (Accounting) offered by the St. John's College Junior College, Belize.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

9. For Graduates of the Two-Year Business Administration (Economics) Associate Degree Program offered by the St. John's College Junior College, Belize

A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Business Administration Associate Degree (Economics) offered by the St. John's College Junior College, Belize.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

10. For Graduates of the Two-Year Business Administration (Tourism) Associate Degree Program offered by the St. John's College Junior College, Belize

A student may apply for admission into the Bachelor of Business Administration program by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Business Administration Associate Degree (Tourism) offered by the St. John's College Junior College, Belize.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

### 6.2.3 Bachelor of Education (Primary/Elementary) as a Second Degree

The Grenfell Campus offering of this program is currently under review and may not be available for intake at this time. For further information please contact the Office of Academic Programs, Faculty of Education.

### 6.2.4 Bachelor of Science with Major in Psychology

A student may apply for admission into the Bachelor of Science with Major in Psychology directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University. Grenfell Campus reserves the right to limit the number of spaces available in each Major and Minor program.

#### 6.2.4.1 Direct Entry (for High School Students)

Students may apply for admission into the Bachelor of Science with Major in Psychology program directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus

should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University.

#### 6.2.4.2 Transfers from Other Post-Secondary Institutions

1. Students who are transferring from accredited post-secondary institutions must apply for admission to the University on or before the deadlines specified in the **University Diary** for the semester in which they intend to begin their program, to allow sufficient time for the evaluation of transfer credits. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants must apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.
2. Transfer credit cannot be awarded for the following courses: English 4950; History 4950; Humanities 4950; Psychology 4950, 4951, 4959; Social/Cultural Studies 4000, 4100, 4950.

### 6.2.5 English as a Second Language

A student may apply for admission to the **Intensive English Program Grenfell (IEP-G)** or the **Intensive English Bridge Program at Grenfell (IEBP-G)** program offered by the School of Arts and Social Science by submitting an application by email to [esl@grenfell.mun.ca](mailto:esl@grenfell.mun.ca) or in writing to the Coordinator, English as a Second Language Programs (Grenfell Campus), Memorial University of Newfoundland, Corner Brook, NL, A2H 6P9. Further information and applications for admission to these programs are available at [www.grenfell.mun.ca/esl](http://www.grenfell.mun.ca/esl).

Grenfell Campus reserves the right to limit the number of spaces available in English as a Second Language programs.

#### 6.2.5.1 Intensive English Program at Grenfell (IEP-G)

A student may apply for admission into the **Intensive English Program Grenfell (IEP-G)** program offered by the School of Arts and Social Science by submitting an application directly in writing to Coordinator, English as a Second Language Programs (Grenfell Campus), Memorial University of Newfoundland, Corner Brook, NL, A2H 6P9.

Applicants to the Intensive English Program must

1. be at least 18 years old;
2. hold a valid high school diploma; and
3. have an intermediate level of English proficiency, equivalent to **International English Language Testing System (IELTS)** 4.5 or higher, as determined by the English as a Second Language (ESL) Coordinator.

A student wishing to complete the **Intensive English Program at Grenfell (IEP-G)** in preparation for admission to Memorial University of Newfoundland as an undergraduate degree student may apply for this program at the same time as application for admission to undergraduate studies. Subject to **General Academic Regulations (Undergraduate)**, **Admission/Readmission to the University (Undergraduate)**, governing admission for undergraduate studies, and the regulations in place for admission to specific programs, a student may be provisionally admitted for studies at an undergraduate level in an upcoming term while currently enrolled in the Intensive English Program. The **General Academic Regulations (Undergraduate)**, **Admission/Readmission to the University (Undergraduate)** should be reviewed carefully by students.

#### 6.2.5.2 Intensive English Bridge Program at Grenfell (IEBP-G)

A student may apply for admission to Memorial University of Newfoundland using the University's General Application for Admission/Readmission (Undergraduate).

A student for the **Intensive English Bridge Program at Grenfell (IEBP-G)** must have:

1. been provisionally accepted to undergraduate studies at Memorial University of Newfoundland;
2. achieved for IEBP-G Level 1: an average of Band 40 in the **Canadian Academic English Language (CAEL) Assessment** with a Writing sub-score of at least 40, a paper-based **Test of English as a Foreign Language (TOEFL)** score of 490, an iBT TOEFL score of 58, with a minimum writing score of 16, or an **International English Language Testing System (IELTS)** score of 5.5 with no sub-score less than 5 and a minimum writing score of 5.5 or evidence showing equivalent proficiency as determined by the English as a Second Language (ESL) Coordinator; achieved for IEBP-G Level 2: an average of Band 50 in the CAEL with a Writing sub-score of at least 50, a paper-based TOEFL score of 530, or an iBT TOEFL score of 70, with a minimum writing score of 18, or an IELTS score of 6.0 with no subscore less than 5.5 and a minimum writing score of 6.0; or evidence showing equivalent proficiency as determined by the ESL Coordinator; or
3. achieved a grade of "B" or better with a satisfactory attendance level (90%) if enrolled in the preceding level of the Intensive English program or Intensive English Bridge Program and "C" in the concurrent credit course (if applicable) at the Grenfell Campus within the previous two semesters.

Final admission for provisionally admitted students will be subject to the regulations outlined under **UNIVERSITY REGULATIONS, Admission/Readmission to the University (Undergraduate), English Language Proficiency Requirements**.

## 6.3 Admission/Readmission Regulations for Programs Offered by the School of Fine Arts

1. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants should apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.
2. A student may apply for admission into programs offered by the School of Fine Arts directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted. Grenfell Campus reserves the right to limit the number of spaces available in each Major and Minor program. In addition to meeting the general admission requirements of the University,

applicants for the Bachelor of Fine Arts (Theatre) must undergo an audition/interview to the satisfaction of the Department. Enrollment in the Bachelor of Fine Arts (Theatre) is limited and selection is competitive. In addition to meeting the general admission requirements of the University, all applicants for the Bachelor of Fine Arts (Visual Arts) will be required to submit a portfolio of previous art work. The deadline for submission of applications to the Bachelor of Fine Arts (Theatre) is March 31st and the deadline for the Bachelor of Fine Arts (Visual Arts) is March 1st of the year in which entry is sought.

3. Transfer credit cannot be awarded for the following courses: Theatre 4001, 4010, 4020, 4060, 4070, 4080, 4090; Visual Arts 4800, 4801, 4950, 4951.

### 6.3.1 Bachelor of Fine Arts (Theatre)

1. Applicants must meet the general admission requirements of the University as outlined under **UNIVERSITY REGULATIONS**.
2. In addition to meeting the general admission requirements of the University, applicants for the Bachelor of Fine Arts (Theatre) must undergo an audition/interview to the satisfaction of the School. Enrollment in the Bachelor of Fine Arts (Theatre) is limited and selection is competitive.
3. The deadline for submission of Theatre application forms is March 31<sup>st</sup> of the year in which admission is sought.
4. Transfer credit cannot be awarded for the following courses: Theatre 4001, 4010, 4020, 4060, 4070, 4080, 4090.

### 6.3.2 Bachelor of Fine Arts (Visual Arts)

1. Applicants must meet the general admission requirements of the University. outlined under **UNIVERSITY REGULATIONS**.
2. In addition to meeting the general admission requirements of the University, all applicants will be required to submit a portfolio of previous art work. Applicants must apply before March 1<sup>st</sup> of the year in which entry is sought. Although it is assumed that applicants will have had no previous formal training in art, evidence of suitability for study in the visual arts is required. Instructions for the submission of portfolios will be provided by the School of Fine Arts upon request. Enrollment in the Bachelor of Fine Arts (Visual Arts) program is limited and selection is competitive.
3. Students who have voluntarily withdrawn from the Bachelor of Fine Arts (Visual Arts) program and wish to re-enter must re-apply by March 1st for the upcoming Fall semester, or by August 30th for the upcoming Winter semester.
4. Students who have been required to withdraw from the Bachelor of Fine Arts (Visual Arts) program and wish to re-enter must re-apply in competition after a lapse of two semesters by March 1st for the upcoming academic year.
5. Students who have been required to withdraw twice from the Bachelor of Fine Arts (Visual Arts) program shall be ineligible for further admission to the Visual Arts Program.
6. Transfer credit cannot be awarded for the following courses: Visual Arts 4800, 4801, 4950, 4951.

## 6.4 Admission/Readmission Regulations for Programs Offered by the School of Science and the Environment

1. A student may apply for admission into programs offered by the School of Science and the Environment directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University. Grenfell Campus reserves the right to limit the number of spaces available in each Major and Minor program.
2. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants should apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.
3. Transfer credit cannot be awarded for the following courses: Environment and Sustainability 2200, 2201, 4950, 4960; Environmental Science 4000, 4950, 4951, 4959; Mathematics 4950; Physics 4100, 4880, 4950; Science 4000, 4950.

### 6.4.1 Bachelor of Environment and Sustainability

Students may apply for admission into the Bachelor of Environment and Sustainability program directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University. Grenfell Campus reserves the right to limit the number of spaces available in each Major and Minor program.

#### 6.4.1.1 Direct Entry (for High School Students)

Students may apply for admission into the first year of the Bachelor of Environment and Sustainability program directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University.

#### 6.4.1.2 Transfers from Other Post-Secondary Institutions

1. Students who are transferring from accredited post-secondary institutions must apply for admission to the University on or before the deadlines specified in the **University Diary** for the semester in which they intend to begin their program, to allow sufficient time for the evaluation of transfer credits. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants must apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.
2. Transfer credit cannot be awarded for the following courses: Environment and Sustainability 2200, 2201, 4950, 4960; Environmental

Science 4000, 4950, 4951, 4959; Mathematics 4950; Physics 4100, 4880, 4950; Science 4000, 4950.

#### 6.4.1.3 Articulation Agreements for Bachelor of Environment and Sustainability

1. For Graduates of the Two-Year Fish and Wildlife Technician Diploma Program Offered by the College of the North Atlantic

A student may apply for admission into the Bachelor of Environment and Sustainability Program with Majors in Resource Management or Environmental Studies by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the two-year Fish and Wildlife Technician Diploma offered by the College of the North Atlantic.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

2. For Graduates of the Two-Year Forest Resources Technician Diploma Program Offered by the College of the North Atlantic

A student may apply for admission into the Bachelor of Environment and Sustainability program with majors in Resource Management or Environmental Studies by indicating the program of choice on the online application within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Students must be eligible for admission or readmission to the University in a category as defined in the Calendar section **UNIVERSITY REGULATIONS** and have been awarded the Two-Year Forest Resources Technician Diploma offered by the College of the North Atlantic.

A student in this category must apply under **Transfers from Other Post-Secondary Institutions** above.

### 6.4.2 Bachelor of Science

A student may apply for admission into the Bachelor of Science directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University. Grenfell Campus reserves the right to limit the number of spaces available in each Major and Minor program.

#### 6.4.2.1 Direct Entry (for High School Students)

Students may apply for admission into the Bachelor of Science program directly from high school. The application for admission to programs offered by Grenfell Campus is submitted online. Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University and any other required supporting documentation. Application fees must be paid when the application is submitted. Direct admission from high school is subject to the applicant's final acceptance to the University.

#### 6.4.2.2 Transfers from Other Post-Secondary Institutions

1. Students who are transferring from accredited post-secondary institutions must apply for admission to the University on or before the deadlines specified in the **University Diary** for the semester in which they intend to begin their program, to allow sufficient time for the evaluation of transfer credits. The application for admission or readmission to programs offered by Grenfell Campus is submitted online; current and returning applicants must apply using the Admissions menu within Memorial Self-Service at [www5.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www5.mun.ca/admit/twbkwbis.P_WWWLogin). Applicants who are new to Grenfell Campus should follow the application instructions at [www.mun.ca/undergrad/apply](http://www.mun.ca/undergrad/apply). A complete application includes an application to the University (for those who have not attended Grenfell Campus in the three preceding semesters) and any other required supporting documentation. Application fees must be paid when the application forms are submitted.
2. Transfer credit cannot be awarded for the following courses: Environment and Sustainability 2200, 2201, 4950, 4960; Environmental Science 4000, 4950, 4951, 4959; Mathematics 4950; Physics 4100, 4880, 4950; Science 4000, 4950.

### 6.5 Bachelor of Nursing (Collaborative) Degree

Admission/readmission regulations for the **Bachelor of Nursing (Collaborative)** degree program can be found at **Admission/Readmission Regulations for the Faculty of Nursing**.

## 7 Program Regulations - General and Honours Degrees

### 7.1 School of Arts and Social Science Core Program Requirements

1. Students completing the Bachelor of Arts or Bachelor of Science degree programs at Grenfell Campus offered by the School of Arts and Social Sciences must complete the requirements as outlined below under **Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement.**
2. Students completing the Bachelor of Environment and Sustainability or Bachelor of Science degree programs offered by the School of Science and the Environment must complete a core program as indicated under **School of Science and the Environment Core Program Requirements.**

#### 7.1.1 Breadth of Knowledge Requirement

Six credit hours from each of the three groups identified below for a total of 18 credit hours. The courses chosen can be any courses within the disciplines identified. However, students are not permitted to use these courses to meet the Quantitative Reasoning and Analysis requirement nor the first-year English requirements.

##### 7.1.1.1 Breadth of Knowledge Requirement - Group A

Art History, Classics, English, History, Humanities, Languages, Philosophy, Religious Studies, Theatre, Visual Arts

##### 7.1.1.2 Breadth of Knowledge Requirement - Group B

Anthropology, Business, Economics, Education, Environment and Sustainability, Folklore, Gender Studies, Geography, Human Kinetics and Recreation, Political Science, Psychology, Sociology, Tourism Studies

##### 7.1.1.3 Breadth of Knowledge Requirement - Group C

Biochemistry, Biology, Chemistry, Computer Science, Earth Sciences, Environmental Science, Mathematics, Physics, Science

#### 7.1.2 Literacy Requirement

Thirty credit hours in Writing courses which must include 6 credit hours in first-year English. Up to 6 credit hours in languages other than English may be used to satisfy the literacy requirement. Courses in this group are identified with the designation W and are listed in **Table 1 Designated Writing Courses (W).**

Courses in this category must either be completed through on-campus offerings at Grenfell Campus or be demonstrated to be equivalent to Grenfell writing courses.

#### 7.1.3 Quantitative Reasoning and Analysis Requirement

Six credit hours in Quantitative Reasoning and Analysis courses. Courses in this group are identified with the designation QRA and are listed in **Table 2 Designated Quantitative Reasoning and Analysis Courses (QRA).**

### 7.1.4 Designated Writing Courses (W)

Courses will be designated Writing courses by the Committee on Academic Programming. A Writing course is a course in which a minimum of 30 percent of the course grade involves a specific component consisting of written work on which students will receive feedback. For the purpose of this regulation, the final examination will not be counted as part of the evaluated Writing component.

**Table 1 Designated Writing Courses (W)**

Anthropology: 2230, 2240, 2300, 2412, 2414, 2500, 3080, 3083, 3140, 3314, 3520, 3525, 4072, 4440	Humanities: 1001, 1002, 2000, 2001, 2002, 2010, 3001, 3002, 3010, 3020, 3021, 4001, 4010, 4950
Biology: 2040, 2041, 2122, 2600	Mathematics: 2130
Business: 2020, 3010, 3600, 4010, 4080, 5010, 5020, 5030, 5040, 5050	Philosophy: 1002, 1005, 2020, 2030, 2040, 2100, 2130, 2140, 2201, 2215, 2340, 2360, 3010, 3220, 3230, 3310, 3400, 3430, 3450, 3460, 3610, 4000, 4005
Classics: 1100, 1120, 1121, 1200, 2010, 2015, 2020, 2035, 2040, 2055, 2701, 2800, 2801, 3010, 3020, 3110, 3111, 3130	Political Science: 1010, 1020, 2200, 2600, 3351, 3631
Economics: 3085	Psychology: 4910, 4925, 4950, 4951, 4959
English: All English courses listed with the Grenfell Campus English Program and English 2010	Religious Studies: 1000, 2013, 2050, 2051, 2610, 2830, 3010, 3020, 3200, 3401, 3500, 3820, 3831, 3840, 3880
Environmental Science: 1000, 2370, 3131	Social/Cultural Studies: 4000, 4100, 4950
Environment and Sustainability: 4201	Sociology: 2100, 2120, 2230, 2240, 2610, 3140, 3150, 3160, 3290, 3314, 3395, 4072
Folklore: 1000, 1050, 2100, 2230, 2300, 2401, 2500, 2600, 3130, 3200, 3300, 3606, 4440	Theatre: 1000, 1001
French: 2100, 2101, 2601, 2602, 3100, 3101	Tourism: 2000, 3240
Gender Studies: 2001	Visual Arts: 2700, 2701, 3620, 3700, 3701, 3702-3721, 3820, 4700-4729, 4730, 4731, 4740, 4741
Geography: 2001, 2302	University: 1010
History: All History courses listed with the Grenfell Campus Historical Studies Program	

### 7.1.5 Designated Quantitative Reasoning and Analysis Courses (QRA)

Courses will be designated Quantitative Reasoning and Analysis by the Committee on Academic Programming. The Quantitative Reasoning and Analysis (QRA) Requirement is intended to help students develop a degree of appreciation of numerical, statistical and/or symbolic modes of representation, as well as an appreciation of the analysis, interpretation and broader quantitative application of such representations.

**Table 2 Designated Quantitative Reasoning and Analysis Courses (QRA)**

Biochemistry 1430	Environment and Sustainability 2000, 2001, 3001, 3101, 4100
Biology 2250, 2600	Geography 3222
Business: 2100, 2110, 3100, 3110, 3120, 3500, 3510, 4120	Mathematics (All courses)
Chemistry (All courses with the exception of Chemistry 1900)	Philosophy 2030 or the former 2210, 2031 or the former 2211
Computer Science (All courses)	Physics (All courses)
Earth Sciences 2150	Psychology 2925, 2950, 3950
Economics 1010 (or the former 2010), 1020 (or the former 2020), 3150	Sociology 3040
Environmental Science (All courses with the exception of: 1000, 2360, 2370, 2371, 3072 and 4000)	Statistics (All courses)



## 7.2 School of Science and the Environment Core Program Requirements

Students completing the Bachelor of Environment and Sustainability or Bachelor of Science degree programs offered by the School of Science and the Environment must complete at least 120 credit hours, including 24 credit hours as follows:

1. One of:
  - a. 6 credit hours in English courses;
  - b. 3 credit hours in English and 3 credit hours in another language;
  - c. 6 credit hours in Critical Reading and Writing (CRW) courses, including at least 3 credit hours in English courses.
2. 6 credit hours in Mathematics or Statistics courses;
3. 6 credit hours in courses chosen from: Biochemistry, Biology, Chemistry, Computer Science, Earth Sciences, Environmental Science, Ocean Sciences or Physics;
4. 6 credit hours in courses chosen from: Economics, Environment and Sustainability, Geography or Political Science.

The same course cannot be used to meet more than one of the requirements listed above.

Critical Reading and Writing (CRW) courses are regulated by the Faculty of Humanities and Social Sciences, St. John's Campus. Eligible CRW courses are indicated under **Faculty of Humanities and Social Sciences, Course Descriptions**.

## 7.3 School of Arts and Social Science

www.grenfell.mun.ca/school-of-arts-and-social-science

The School of Arts and Social Science offers the Bachelor of Arts Degree with majors in English Language and Literature, Historical Studies, Humanities, Psychology, and Social/Cultural Studies. A Bachelor of Business Administration and a Bachelor of Science with Major in Psychology are also available. Minors are available in Business, Canadian Studies, Classics, English, Folklore, French, Historical Studies, Humanities, Philosophy, Psychology, Religious Studies, Social/Cultural Studies, Sociology, and Tourism Studies and are outlined under **Table 19 Minor Programs Offered by the School of Arts and Social Science**. Students may choose the minor from **Table 19 Minor Programs Offered by the School of Arts and Social Science**, or from **Table 5 Minor Program Offered by the School of Fine Arts**, or from **Table 10 Minor Programs Offered by the School of Science and the Environment**. An **Intensive English Program (IEP-G)** and an **Intensive English Bridge Program at Grenfell (IEBP-G)** are also available.

Bachelor of Arts (Honours) in Psychology, Bachelor of Business Administration (Honours) and the Bachelor of Science (Honours) degree in **Psychology** are available.

### 7.3.1 Bachelor of Arts with Major in English Language and Literature

www.grenfell.mun.ca/english

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 1 Bachelor of Arts with Major in English Language and Literature**.
- A student must complete Core Program Requirements as outlined under **School of Arts and Social Science Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major, an approved concentration of courses known as a Minor, and elective courses to make up the required total of 40 courses, 120 credit hours.
- A student may not use the same course to satisfy the requirements for both a Major and a Minor.
- As an alternative to a Minor, a second Major may be completed and students must meet all general and departmental or program regulations for both Majors.
- A student may devise a Major/Minor of one's own choosing in close consultation with a faculty advisor and with approval of the appropriate dean(s). Such "open" programs must be approved by the School Committee on Student Academic Affairs.
- Any student enrolled in the Grenfell Campus Bachelor of Arts Degree with a Major in English who has completed the Bachelor of Fine Arts (Theatre) Degree at Grenfell Campus will be considered to have fulfilled the requirements for a Minor in Theatre.

**Table 1 Bachelor of Arts with Major in English Language and Literature**

Required Courses	Elective Courses
<p>Courses as outlined under <b>School of Arts and Social Science Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement</b></p> <p>English 1000 and 1001 or equivalent English 2005, 2006, 2007, 3205 or 3206, 3395, 4105</p>	<p>A minor comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b>, or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b>, or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b>. As an alternative to a Minor, a second Major may be completed.</p>
<p>18 credit hours in one of the following concentrations. Within each concentration, there must be a minimum of 6 credit hours at the 3000 level and 6 credit hours at the 4000 level.</p> <p><b>Canadian Literature Concentration</b> English 2146, 4950 and 12 credit hours in Canadian Literature from the following selection: English 2145, 2155, 2156, 2905, 3145, 3147, 3148, 3149, 4307, 4825-35.</p> <p><b>Dramatic Literature Concentration</b> English 2350, 2351, 4950 and 9 credit hours in Dramatic Literature from the following selection: English 3021, 3171, 3181, 3205 or 3206 (whichever course has not been used to fulfil the requirements of the English Core), 3275, 4302, 4305, 4307, 4308, 4316, 4317, 4836-44.</p> <p><b>Modern Literature Concentration</b> English 3215, 3216, 4950 and 9 credit hours in Modern Literature from the following selection: English 2215, 2242, 2243, 2244, 2245, 2705, 2805, 2870, 2905, 3192, 3245, 3275, 3810, 3905, 4245, 4246, 4302, 4305, 4308, 4861-4870, 4905.</p> <p><b>Combined Concentration</b> A total of 18 credit hours from English Concentration Courses which must include: At least 6 credit hours from one of three concentrations (Canadian, Dramatic, Modern) as specified below and an English 4950 project within the area chosen: Canadian Literature: 2146 and at least 3 additional credit hours in this concentration or Dramatic Literature: 2350 or 2351 and at least 3 additional credit hours in this concentration or Modern Literature: 3215 or 3216 and at least 3 additional credit hours in this concentration. At least 3 credit hours from each of the other two concentrations.</p>	<p>Elective courses to make up the total of 120 credit hours, other than those required for the <b>School of Arts and Social Science Core Program Requirements</b> and Major/Minor requirements, may be chosen according to the following guidelines:</p> <p>Any courses in arts, social science, science and fine arts and Up to 15 credit hours in other subject areas.</p>

### 7.3.2 Bachelor of Arts with Major in Historical Studies

www.grenfell.mun.ca/historical-studies

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 2 Bachelor of Arts with Major in Historical Studies**.
- A student must complete Core Program Requirements as outlined under **School of Arts and Social Science Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major, an approved concentration of courses known as a Minor, and elective courses to make up the required total of 40 courses, 120 credit hours.
- Applicable courses used to satisfy the Minor requirements may also be counted as Historical Studies credits.
- As an alternative to a Minor, a second Major may be completed and students must meet all general and departmental or program regulations for both Majors.
- A student may devise a Major/Minor of one's own choosing in close consultation with a faculty advisor and with approval of the appropriate dean(s). Such "open" programs must be approved by the School Committee on Student Academic Affairs.

**Table 2 Bachelor of Arts with Major in Historical Studies**

Required Courses	Elective Courses
Courses as outlined under <b>School of Arts and Social Science Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement</b>	A minor comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> . As an alternative to a Minor, a second Major may be completed.
The Major consists of a minimum of 19 courses, 57 credit hours as follows: <ul style="list-style-type: none"> <li>• History 1100, 1101, 3840 and 4950</li> <li>• 12 credit hours in Early Western History chosen from:                Anthropology 3520 or Archaeology 3520 or History 3520, Art History 2700 or History 2700, Art History 3700 or History 3700, Art History 3701 or History 3701, Classics 2035 or History 2035, Classics 2040 or History 2040, Classics 3090 or History 3090, History 2100, 2200, 2300, 2320, 2330, 3050, 3110, 3135, 3320, 3445, 3551, 3760                HIST 3551 cannot be used to satisfy both Early and Later Western History.</li> <li>• 12 credit hours in Later Western History chosen from:                Anthropology 3525 or Archaeology 3525 or History 3525, Art History 2701 or History 2701, History 2120, 2210, 2310, 2500, 2510, 2540, 3030, 3060, 3120, 3250, 3330, 3440, 3460, 3490, 3551, 3675, 3770,                Economics 3630                HIST 3551 cannot be used to satisfy both Early and Later Western History.</li> <li>• 6 credit hours in 4000-level History courses which are in addition to History 4950</li> <li>• 15 credit hours chosen from the following list of which no more than 6 credit hours from any one discipline will be counted toward Historical Studies Major:                Anthropology 1031, Anthropology 2230 or Folklore 2230 or Sociology 2230, Classics 2055, Classics 3700, Economics 1010 (or the former 2010), Economics 1020 (or the former 2020), English 2005, English 2006, English 2007, Folklore 1000, Folklore 2401, French 1501, French 1502, French 2100, French 2101, French 2601, French 2602, Geography 1050, Geography 2001, Humanities 2002, Humanities 3001, Humanities 3002, Humanities 4001, Philosophy 1005 or the former 1600, Philosophy 2201 or the former 2701, Philosophy 2215 or the former 2702, Philosophy 3400, Political Science 1000, Political Science 1020, Political Science 2200, Political Science 2800, Religious Studies 2013, Religious Studies 2050, Religious Studies 2051, Sociology 1000, Sociology 2120, Sociology 3040, Sociology 3150, Sociology 3160</li> </ul>	Elective courses to make up the total of 120 credit hours, other than those required for the <b>School of Arts and Social Science Core Program Requirements</b> , and Major/Minor requirements, may be chosen according to the following guidelines: Any courses in arts, social science, science and fine arts and Up to 15 credit hours in other subject areas.

### 7.3.3 Bachelor of Arts with Major in Humanities

www.grenfell.mun.ca/humanities

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 3 Bachelor of Arts with Major in Humanities**.
- A student must complete Core Program Requirements as outlined under **School of Arts and Social Science Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major, an approved concentration of courses known as a Minor, and elective courses to make up the required total of 40 courses, 120 credit hours.
- A student may not use the same course to satisfy the requirements for both a Major and a Minor.
- As an alternative to a Minor, a second Major may be completed and students must meet all general and departmental or program regulations for both Majors.
- A student may devise a Major/Minor of one's own choosing in close consultation with a faculty advisor and with approval of the appropriate dean(s). Such "open" programs must be approved by the School Committee on Student Academic Affairs.

**Table 3 Bachelor of Arts with Major in Humanities**

Required Courses	Elective Courses
Courses as outlined under <b>School of Arts and Social Science Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement</b>	A minor comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> . As an alternative to a Minor, a second Major may be completed.
The Major consists of 15 courses, 45 credit hours as follows: 36 credit hours (Humanities 1001, 1002, 2000, 2001, 2002, 2010, 3001, 3002, 3010, 4001, 4010, 4950 either 3 credit hours in other Humanities courses plus 6 credit hours in a language other than English, or 9 credit hours in other Humanities courses	Elective courses to make up the total of 120 credit hours, other than those required for the <b>School of Arts and Social Science Core Program Requirements</b> , and Major/Minor requirements, may be chosen according to the following guidelines: Any courses in arts, social science, science and fine arts and Up to 15 credit hours in other subject areas.

### 7.3.4 Bachelor of Arts with Major in Psychology

www.grenfell.mun.ca/psychology

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 4 Bachelor of Arts with Major in Psychology**.
- A student must complete Core Program Requirements as outlined under **School of Arts and Social Science Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major, an approved concentration of courses known as a Minor, and elective courses to make up the required total of 40 courses, 120 credit hours.
- A student may not use the same course to satisfy the requirements for both a Major and a Minor.
- As an alternative to a Minor, a second Major may be completed and students must meet all general and departmental or program regulations for both Majors.
- A student may devise a Major/Minor of one's own choosing in close consultation with a faculty advisor and with approval of the appropriate dean(s). Such "open" programs must be approved by the School Committee on Student Academic Affairs.
- Students completing this program cannot receive credit for Psychology 2920.

**Table 4 Bachelor of Arts with Major in Psychology**

Required Courses	Elective Courses
Courses as outlined under <b>School of Arts and Social Science Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement</b>	Elective courses to make up the total of 120 credit hours, other than those required for the <b>School of Arts and Social Science Core Program Requirements</b> and Major/Minor requirements, may be chosen according to the following guidelines: Any courses in arts, social science, science and fine arts and Up to 15 credit hours in other subject areas.
<b>45 credit hours in Psychology as follows:</b> Psychology 1000, 1001, 2925, 2950, 3950, 4910, 4925, and one of 4950 or 4951 At least 12 credit hours from: Psychology 2025, 2125, 2225, 2425, 2625, 2825 At least 9 credit hours chosen from the following Contemporary Issues courses: Psychology 3025, 3040, 3125, 3126, 3225, 3226, 3325, 3425, 3525, 3625, 3626, 3627, 3628, 3725, 3825	A minor comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> . As an alternative to a Minor, a second Major may be completed.

### 7.3.5 Bachelor of Arts with Major in Social/Cultural Studies

www.grenfell.mun.ca/social-cultural-studies

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 5 Bachelor of Arts with Major in Social/Cultural Studies**.
- A student must complete Core Program Requirements as outlined under **School of Arts and Social Science Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major and elective courses to make up the required total of 40 courses, 120 credit hours. A Minor is not required for this program.

**Table 5 Bachelor of Arts with Major in Social/Cultural Studies**

Required Courses	Elective Courses
Courses as outlined under <b>School of Arts and Social Science Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement</b>	Elective courses to make up the total of 120 credit hours, other than those required for the <b>School of Arts and Social Science Core Program Requirements</b> and Major/Minor requirements, may be chosen according to the following guidelines: Any courses in arts, social science, science and fine arts Up to 15 credit hours in other subject areas.
<b>72 credit hours as follows:</b> Anthropology 1031, 2410, and an additional 9 credit hours in Anthropology Folklore 1000, 2100, and an additional 9 credit hours in Folklore History 1100, 1101 Social/Cultural Studies 2000, 4000, 4100, 4950 Sociology 1000, 3040, 3150, and an additional 6 credit hours in Sociology 9 credit hours at the 3000 or 4000 level chosen from Anthropology, Folklore, Sociology, or Social/Cultural Studies	If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> .

### 7.3.6 Bachelor of Business Administration

www.grenfell.mun.ca/business

- The Bachelor of Business Administration requires a total of 120 credit hours as outlined under **Table 6 Bachelor of Business Administration** and may be completed on a full or part-time basis. Students must achieve a grade point average of at least 2.5 and an average of at least 60% on those 120 credit hours.
- Students enrolled in the Bachelor of Business Administration program are not required to complete minor programs; however, students may choose to pursue a minor in other non-business academic units (where minor programs exist) with permission of that academic unit.
- Students are advised to refer to the requirements for the chosen Minor program as set forth in the University Calendar, and it is recommended that students seek academic advice when planning their program.

**Table 6 Bachelor of Business Administration**

Term	Required Courses	Elective Courses
<b>Year 1</b>	BUSN 1010 BUSN 1020 Economics 1010 (or the former 2010) Economics 1020 (or the former 2020) 6 credit hours in first-year English (students are strongly encouraged to take English 1110) Mathematics 1000 or Mathematics 1052	9 credit hours selected from <b>Electives</b> below
<b>Year 2</b>	BUSN 2020 BUSN 2100 BUSN 2110 BUSN 2200 BUSN 2250 BUSN 2300 BUSN 2310 Statistics 2500	6 credit hours selected from <b>Electives</b> below
<b>Year 3</b>	BUSN 3010 BUSN 3030 BUSN 3300 BUSN 3410 BUSN 3500 BUSN 3600	12 credit hours selected from <b>Electives</b> below
<b>Year 4</b>	BUSN 4010 BUSN 4040 BUSN 4070	21 credit hours selected from <b>Electives</b> below
<b>Electives</b>		
a minimum of 15 credit hours but no more than 24 credit hours shall be chosen from <b>Table 7 Business Electives</b> . These credit hours may be completed in any semester or year of the program.		
a minimum of 24 credit hours but no more than 33 credit hours, other than those listed in <b>Table 7 Business Electives</b> , may be chosen to make up the total of 120 credit hours required for the degree. These credit hours shall be completed in any semester or year of the program.		

**Table 7 Business Electives**

BUSN 2060	BUSN 3800-3850	BUSN 5010	Economics 3150
BUSN 2320	BUSN 4020	BUSN 5020	Economics 3160
BUSN 2500	BUSN 4030	BUSN 5030	Economics 3550
BUSN 3060	BUSN 4060	BUSN 5040	Economics 4550
BUSN 3100	BUSN 4080	BUSN 5050	Environment and Sustainability 3001
BUSN 3110	BUSN 4120	Computer Science 1600	Environment and Sustainability 4201
BUSN 3120	BUSN 4130	the former Computer Science 1700	Mathematics 2090
BUSN 3150	BUSN 4210	Economics 2550	Political Science 2200
BUSN 3220	BUSN 4220	Economics 3000	Political Science 2600
BUSN 3230	BUSN 4230	Economics 3001	Political Science 2800
BUSN 3240	BUSN 4310	Economics 3010	Political Science 3351 or the former 3550
BUSN 3320	BUSN 4510	Economics 3011	Political Science 3631 or the former 3731
BUSN 3510	BUSN 4610	Economics 3030	Sociology 2120
BUSN 3610	BUSN 4660	Economics 3080	
BUSN 3620	BUSN 4800-4850	Economics 3085	

### 7.3.6.1 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Accounting) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the two-year Business Administration (Accounting) diploma program offered by the College of the North Atlantic and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 65% in the diploma and will be awarded 60 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 60 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 8 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Accounting) Diploma Program Offered by the College of the North Atlantic**.

**Table 8 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Accounting) Diploma Program Offered by the College of the North Atlantic**

Term	Required Courses	Elective Courses
Year 1	BUSN 2300 BUSN 2310 BUSN 3500 BUSN 3600 Economics 1020 (or the former 2020) 3 credit hours in first-year English (students are strongly encouraged to take English 1110) Mathematics 1000 or Mathematics 1052	9 credit hours selected from <b>Electives</b> below
Year 2	BUSN 3010 BUSN 3410 BUSN 4010 BUSN 4040 BUSN 4070	15 credit hours selected from <b>Electives</b> below
<b>Electives</b> 9 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 15 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.2 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the two-year Business Administration (Human Resource Management) diploma program offered by College of the North Atlantic and who are entering Grenfell Campus Bachelor of Business Administration program must have a minimum average of 65% in the diploma and will be awarded 60 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 60 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 9 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic**.

**Table 9 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic**

Term	Required Courses	Elective Courses
Year 1	BUSN 2110 BUSN 2310 BUSN 3500 BUSN 3600 Economics 1020 (or the former 2020) 3 credit hours in first-year English (students are strongly encouraged to take English 1110) Mathematics 1000 or Mathematics 1052	9 credit hours selected from <b>Electives</b> below
Year 2	BUSN 3010 BUSN 3410 BUSN 4010 BUSN 4040 BUSN 4070	15 credit hours selected from <b>Electives</b> below
<b>Electives</b> 9 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 15 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.3 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Marketing) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the two-year Business Administration (Marketing) diploma program offered by the College of the North Atlantic and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 65% in the diploma and will be awarded 60 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 60 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 10 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Marketing) Diploma Program Offered by the College of the North Atlantic**.

**Table 10 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Marketing) Diploma Program Offered by the College of the North Atlantic**

Term	Required Courses	Elective Courses
<b>Year 1</b>	BUSN 2110 BUSN 2300 BUSN 2310 BUSN 3500 BUSN 3600 3 credit hours in first-year English (students are strongly encouraged to take English 1110) Mathematics 1000 or Mathematics 1052	9 credit hours selected from <b>Electives</b> below
<b>Year 2</b>	BUSN 3010 BUSN 3410 BUSN 4010 BUSN 4040 BUSN 4070	15 credit hours selected from <b>Electives</b> below
<b>Electives</b> 9 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 15 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.4 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (General) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the two-year Business Administration (General) diploma program offered by the College of the North Atlantic and who are seeking entry into the Bachelor of Business Administration program must have a minimum of 65% in the diploma and will be required to complete a minimum of 60 additional credit hours towards the 120 credit Grenfell Campus Bachelor of Business Administration program. The remaining 60 credit hours and specific course requirements will be determined on an individual basis at the time of admission. The program may be completed on a full or part-time basis.

### 7.3.6.5 Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the three-year Business Management (Accounting) diploma program offered by the College of the North Atlantic and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 65% in the diploma and will be awarded 75 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 45 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 11 Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting) Diploma Program Offered by the College of the North Atlantic**.

**Table 11 Bachelor of Business Administration for Graduates of the Three-Year Business Management (Accounting) Diploma Program Offered by the College of the North Atlantic**

Term	Required Courses	Elective Courses
<b>Fall</b>	BUSN 3500 BUSN 4010 3 credit hours in first-year English Mathematics 1000 or Mathematics 1052	3 credit hours selected from <b>Electives</b> below
<b>Winter</b>	BUSN 4040	12 credit hours selected from <b>Electives</b> below
<b>Spring</b>	BUSN 2310 BUSN 3010 BUSN 4070	6 credit hours selected from <b>Electives</b> below
<b>Electives</b> 9 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 12 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		



### 7.3.6.6 Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the three-year Business Management (Human Resource Management) diploma program offered by the College of the North Atlantic and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 65% in the diploma and will be awarded 75 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 45 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 12 Bachelor of Business Administration for Graduates of the Three-Year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic**.

**Table 12 Bachelor of Business Administration for Graduates of the Three-Year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic**

Term	Required Courses	Elective Courses
<b>Fall</b>	BUSN 3500 BUSN 4010 Economics 1020 (or the former 2020) 3 credit hours in first-year English Mathematics 1000 or Mathematics 1052	
<b>Winter</b>	BUSN 2110 BUSN 3410 BUSN 4040	6 credit hours selected from <b>Electives</b> below
<b>Spring</b>	BUSN 2310 BUSN 3010 BUSN 4070	6 credit hours selected from <b>Electives</b> below
<b>Electives</b> 12 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.7 Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Marketing) Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the three-year Business Management (Marketing) diploma program offered by the College of the North Atlantic and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 65% in the diploma and will be awarded 75 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 45 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 13 Bachelor of Business Administration for Graduates of the Three-Year Business Management (Marketing) Diploma Program Offered by the College of the North Atlantic**.

**Table 13 Bachelor of Business Administration for Graduates of the Three-Year Business Management (Marketing) Diploma Program Offered by the College of the North Atlantic**

Term	Required Courses	Elective Courses
<b>Fall</b>	BUSN 3500 BUSN 4010 3 credit hours in first-year English Mathematics 1000 or Mathematics 1052	3 credit hours selected from <b>Electives</b> below
<b>Winter</b>	BUSN 2110 BUSN 3410 BUSN 4040	6 credit hours selected from <b>Electives</b> below
<b>Spring</b>	BUSN 2310 BUSN 3010 BUSN 4070	6 credit hours selected from <b>Electives</b> below
<b>Electives</b> 3 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 12 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.8 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (General) Associate Degree Program Offered by the St. John's College Junior College, Belize

- Students who have graduated from the Two-Year Business Administration (General) Associate Degree Program offered by the St. John's College Junior College, Belize and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 75% in the Associate Degree program and will be awarded 60 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 60 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 14 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (General) Associate Degree Program Offered by the St. John's College Junior College, Belize.**

**Table 14 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (General) Associate Degree Program Offered by the St. John's College Junior College, Belize**

Term	Required Courses	Elective Courses
<b>Year 1</b>	BUSN 1020 BUSN 2020 BUSN 2110 BUSN 2200 BUSN 2300 BUSN 2310 Mathematics 1052 or 1000	9 credit hours selected from <b>Electives</b> below
<b>Year 2</b>	BUSN 3010 BUSN 3300 BUSN 3410 BUSN 4010 BUSN 4040 BUSN 4070	12 credit hours selected from <b>Electives</b> below
<b>Electives</b> 9 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 12 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.9 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Accounting) Associate Degree Program Offered by the St. John's College Junior College, Belize

- Students who have graduated from the Two-Year Business Administration (Accounting) Associate Degree Program offered by the St. John's College Junior College, Belize and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 75% in the Associate Degree program and will be awarded 60 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 60 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 15 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Accounting) Associate Degree Program Offered by the St. John's College Junior College, Belize.**

**Table 15 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Accounting) Associate Degree Program offered by the St. John's College Junior College, Belize**

Term	Required Courses	Elective Courses
<b>Year 1</b>	BUSN 1020 BUSN 2020 BUSN 2110 BUSN 2200 BUSN 2300 BUSN 2310 Mathematics 1052 or 1000	9 credit hours selected from <b>Electives</b> below
<b>Year 2</b>	BUSN 3010 BUSN 3300 BUSN 3410 BUSN 4010 BUSN 4040 BUSN 4070	12 credit hours selected from <b>Electives</b> below
<b>Electives</b> 9 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 12 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.10 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Economics) Associate Degree Program Offered by the St. John's College Junior College, Belize

- Students who have graduated from the Two-Year Business Administration (Economics) Associate Degree Program offered by the St. John's College Junior College, Belize and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 75% in the Associate Degree program and will be awarded 60 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 60 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 16 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Economics) Associate Degree Program Offered by the St. John's College Junior College, Belize.**

**Table 16 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Economics) Associate Degree Program Offered by the St. John's College Junior College, Belize**

Term	Required Courses	Elective Courses
<b>Year 1</b>	BUSN 1020 BUSN 2020 BUSN 2100 BUSN 2110 BUSN 2200 BUSN 2300 BUSN 2310 Mathematics 1052 or 1000	6 credit hours selected from <b>Electives</b> below
<b>Year 2</b>	BUSN 3010 BUSN 3300 BUSN 3410 BUSN 3600 BUSN 4010 BUSN 4040 BUSN 4070 Statistics 2500	6 credit hours selected from <b>Electives</b> below
<b>Electives</b> 3 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 9 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.6.11 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Tourism) Associate Degree Program Offered by the St. John's College Junior College, Belize

- Students who have graduated from the Two-Year Business Administration (Tourism) Associate Degree Program offered by the St. John's College Junior College, Belize and who are entering the Grenfell Campus Bachelor of Business Administration program must have a minimum average of 75% in the Associate Degree program and will be awarded 60 credit hours of transfer credit applicable to the 120 credit hour degree program. The program may be completed on a full or part-time basis.
- Students will be required to complete an additional 60 credit hours for the Grenfell Campus Bachelor of Business Administration program as outlined under **Table 17 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Tourism) Associate Degree Program offered by the St. John's College Junior College, Belize.**

**Table 17 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Tourism) Associate Degree Program Offered by the St. John's College Junior College, Belize**

Term	Required Courses	Elective Courses
<b>Year 1</b>	BUSN 1020 BUSN 2020 BUSN 2110 BUSN 2200 BUSN 2300 BUSN 2310 Mathematics 1052 or 1000	6 credit hours selected from <b>Electives</b> below
<b>Year 2</b>	BUSN 3010 BUSN 3300 BUSN 3410 BUSN 3500 BUSN 3600 BUSN 4010 BUSN 4040 BUSN 4070	6 credit hours selected from <b>Electives</b> below
<b>Electives</b> 3 credit hours chosen from <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program 12 credit hours other than those listed in <b>Table 7 Business Electives</b> which may be completed in any semester or year of the program		

### 7.3.7 Bachelor of Education (Primary/Elementary) as a Second Degree

www.grenfell.mun.ca/education

The Grenfell Campus offering of this program is currently under review and may not be available for intake at this time. For further information please contact the Office of Academic Programs, Faculty of Education.

### 7.3.8 Bachelor of Science with Major in Psychology

www.grenfell.mun.ca/psychology

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 18 Bachelor of Science with Major in Psychology**.
- A student must complete Core Program Requirements as outlined under **School of Arts and Social Science Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major and elective courses to make up the required total of 40 courses, 120 credit hours. A Minor is not required for this program.
- Students completing this program cannot receive credit for Psychology 2920.

**Table 18 Bachelor of Science with Major in Psychology**

Required Courses	Elective Courses
Courses as outlined under <b>School of Arts and Social Science Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement</b>	Elective courses to make up the total of 120 credit hours, other than those required for the <b>School of Arts and Social Science Core Program Requirements</b> and Major/Minor requirements, may be chosen according to the following guidelines:  Any courses in arts, social science, science and fine arts and Up to 15 credit hours in other subject areas.
<p><b>45 credit hours in Psychology as follows:</b>            Psychology 1000, 1001, 2925, 2950, 3950, 4910, 4925, and one of 4950 or 4951            At least 12 credit hours from: Psychology 2025, 2125, 2225, 2425, 2625, 2825            At least 9 credit hours chosen from the following Contemporary Issues courses: Psychology 3025, 3040, 3125, 3126, 3225, 3226, 3325, 3425, 3525, 3625, 3626, 3627, 3628, 3725, 3825</p> <p><b>36 credit hours as follows:</b>            6 credit hours in Mathematics, which must include Mathematics 1000            Biology 1001 and 1002            Chemistry 1200 and 1001 or Physics 1020 (or 1050) and 1021 (or 1051)            9 credit hours at the 2000 level or above (two courses must be laboratory courses) in one of the following subjects:            Biochemistry, Biology, Chemistry, Earth Science, Environmental Science, Physics            9 additional credit hours chosen in any combination from the following subjects: Biochemistry, Biology, Chemistry, Computer Science, Earth Science, Environmental Science, Mathematics, Physics, Statistics</p>	If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> .

### 7.3.9 Intensive English Program at Grenfell (IEP-G)

[www.grenfell.mun.ca/esl](http://www.grenfell.mun.ca/esl)

- The 12 week, full-time, non-credit program may be offered at the intermediate level in each of the Fall, Winter, and Spring semesters.
- Full participation is an essential part of the language learning process in this program. For this reason, regular attendance is required. No more than 10% of instructional days may be missed without documented reasons that are acceptable to the Coordinator of English as a Second Language Programs. Students who fail to meet the minimum attendance requirements may not be permitted to re-enroll in the IEP in the following semester.
- Evaluation of students may include, but not be limited to, any or all of the following: projects, assignments, quizzes, oral presentations, and class participation.

#### 7.3.9.1 Program of Study

1. The IEP-G may be offered at the intermediate level in each of the Fall, Winter, and Spring terms.
2. A student admitted to the IEP-G must register for the course English as a Second Language 013F.

### 7.3.10 Intensive English Bridge Program at Grenfell (IEBP-G)

[www.grenfell.mun.ca/esl](http://www.grenfell.mun.ca/esl)

- The program is offered at two levels, IEBP-G Level 1 and IEBP-G Level 2 and requires fifteen to twenty hours of classroom language instruction in reading, writing, speaking, grammar, vocabulary and listening. The emphasis is on English for academic purposes.
- A student in this program may register concurrently for one undergraduate credit course at IEBP-G Level 1 or two undergraduate credit courses at IEBP-G Level 2, in consultation with the Coordinator of English as a Second Language programs and with the approval of the academic unit. The number of semesters of intensive English study required to achieve a student's desired level of proficiency will vary according to the student's initial proficiency level and individual progress rate.
- The Intensive English Bridge Program is intended for applicants to Memorial University of Newfoundland who have been provisionally admitted as undergraduate students, and who are students of high intermediate or advanced proficiency who meet the criteria outlined in **Admission**.
- Final admission for provisionally admitted students will be subject to the regulations governing English language proficiency requirements for admission/readmission to the University as described in the University Calendar under **UNIVERSITY REGULATIONS, English Language Proficiency Requirements**.

#### 7.3.10.1 Program of Study

1. A student admitted to the Intensive English Bridge Program must register for the course English as a Second Language 014F (level 1) or 015F (level 2).
2. A student in this program may normally register for no more than one credit course at IEBP-G Level 1 and no more than two credit courses at IEBP-G Level 2, chosen in consultation with the Coordinator of the English as a Second Language Program, and with approval of the academic unit.
3. A student may register in each level of the Intensive English Bridge Program for a maximum of two semesters.
4. Full participation is an essential part of the language learning process in this Program. For this reason, regular attendance is required. No more than 10% of instructional days may be missed without documented reasons that are acceptable to the Coordinator of English as a Second Language Programs. A student who fails to meet the minimum attendance requirements may not be permitted to re-enroll in the IEBP-G in the following semester.

### 7.3.11 Minor Programs Offered by the School of Arts and Social Science

www.grenfell.mun.ca/minor

The School of Arts and Social Science offers minors comprised of 8 courses, 24 credit hours as outlined under **Table 19 Minor Programs Offered by the School of Arts and Social Science**. In addition to the minors below, students for the Bachelor of Arts degree may complete a minor offered by the School of Fine Arts or the School of Science and the Environment.

**Table 19 Minor Programs Offered by the School of Arts and Social Science**

<p><b>Business Minor</b> Business 1010, 1020 9 credit hours in Business courses from the Grenfell Campus offerings at the 2000-level 9 credit hours in Business courses from the Grenfell Campus offerings at the 3000-level or above</p>	<p><b>Humanities Minor</b> Humanities 1001 and 1002 6 credit hours from Humanities 2001, 2002 or 2010 12 credit hours from Humanities 3001, 3002, 3010, 3020, 3021, 4001, 4010; one of 3100-3109; one of 4020-4029</p>
<p><b>Canadian Studies Minor</b> 15 credit hours chosen from at least four different disciplines: English 2146, English 2156 French 1502, French 2601, French 2602 History 2200, History 2210 Political Science 1010, the former Political Science 2710, the former Political Science 2711, Political Science 2800 Sociology/Anthropology 2240 9 additional credit hours in courses from at least two different disciplines: Art History 3710, Art History 3711 English 3145, English 3147, English 3148, English 3149, English 4307, English 4825-35 Folklore 4300 History 2120, History 3520/Anthropology 3520/Archaeology 3520, History 3525/Anthropology 3525/Archaeology 3525, History 4254 Political Science 3631 or the former 3731 Sociology 3395</p>	<p><b>Philosophy Minor</b> Philosophy 1002 or the former 1200, 1005 or the former 1600, 2030 or the former 2210, 2100 or the former 2551, 2130 or the former 2561 9 additional credit hours in Philosophy, of which at least 3 credit hours must be at the 3000- or 4000-level</p>
<p><b>Classics Minor</b> Classics 1100 and 1200 Classics 2035 and 2040 3 credit hours at the 3000 level 9 additional credit hours in Classics</p>	<p><b>Psychology Minor</b> Psychology 1000, 1001 18 credit hours in Psychology at the 2000 level or above</p>
<p><b>English Minor</b> 6 credit hours at 1000 level in English 6 credit hours from English 2005, 2006 and 2007 3 credit hours from English 3205 or 3206 9 additional credit hours in English electives; at least 3 credit hours must be at the 3000 or 4000-level</p>	<p><b>Religious Studies Minor</b> 24 credit hours in Religious Studies with no more than 6 credit hours at 1000 level and at least 9 credit hours at 3000 level or above.</p>
<p><b>Folklore Minor</b> Folklore 1000, 2100, 2300, 2401, 2500 9 additional credit hours in Folklore</p>	<p><b>Social/Cultural Studies Minor</b> Anthropology 1031, Folklore 1000, Sociology 1000 Anthropology 2410 or Sociology 3150 Folklore 2100 or Sociology 3040 3 additional credit hours in each of Anthropology, Folklore, and Sociology</p>
<p><b>French Minor</b> No more than 6 credit hours at the 1000 level and no more than 6 transfer credits may be used to fulfill the minimum requirement of the minor in French. French 2100 and 2101 French 3100 or French 3101 15 additional credit hours in French</p>	<p><b>Sociology Minor</b> Sociology 1000, 3040, 3150 15 credit hours in Sociology; at least 6 credit hours must be at the 3000 or 4000 level</p>
<p><b>Historical Studies Minor</b> History 1100 and 1101 History 3840 3 credit hours at 3000 level in History 3 credit hours at 4000 level in History additional 9 credit hours in History</p>	<p><b>Tourism Studies Minor</b> Business 1020 Tourism 1000, 3240, 4902 6 credit hours in Tourism Studies beyond the 1000-level 6 credit hours chosen from Environment and Sustainability 2200 or 2201, Philosophy 2130 or the former Philosophy 2561, Religious Studies 3880</p>
<p>Students for the Bachelor of Arts, Bachelor of Business Administration, and Bachelor of Science degrees offered by the School of Arts and Social Science may complete a minor offered by the School of Arts and Social Science, the School of Fine Arts, or the School of Science and the Environment. See <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b>, or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b>, or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b>.</p>	

## 7.4 School of Fine Arts

[www.grenfell.mun.ca/school-of-fine-arts](http://www.grenfell.mun.ca/school-of-fine-arts)

The School of Fine Arts offers Bachelor of Fine Arts degrees in Theatre and in Visual Arts. The Minor Program is available in Art History.

### 7.4.1 Bachelor of Fine Arts (Theatre)

[www.grenfell.mun.ca/theatre](http://www.grenfell.mun.ca/theatre)

- The 120 credit hour, 36 course program may be completed on a full-time basis as set out under **Table 1 Bachelor of Fine Arts (Theatre)**. The course structure for the Bachelor of Fine Arts (Theatre) is outlined under **Table 2 Suggested Program of Study for the Bachelor of Fine Arts in Theatre**.
- The program is designed to educate and train the student in the history, theory and practice of the theatre arts. The degree provides an undergraduate training, delivered by theatre professionals, that will prepare students to enter a professional graduate school of theatre, theatre conservatory or an apprenticeship in the theatre profession. The degree also provides a broad liberal arts education with a strong component of dramatic literature, enabling the graduate to pursue a variety of careers outside the theatre profession.
- In recognition of the relative isolation of the Grenfell Campus and the need for students of the performing arts to be exposed to examples of excellence in their field of study, provision will be made for students in their senior years to visit major theatre centres outside the province (e.g. the Harlow Campus will be utilized for studies in London and Stratford).
- Where circumstances warrant any prerequisite(s) for Theatre courses may be waived by the Program Chair.
- Students in their first year will not be allowed to participate in theatre productions. Exceptions will be made only with the permission of the Dean of the School of Fine Arts, and permission will be given only where a student demonstrates satisfactory performance. Where circumstances warrant, a student in second or third year may be given the opportunity for advanced responsibilities in production with the permission of the Program Chair. Permission will be given only where a student demonstrates above average academic performance as well as exceptional theatrical ability.
- Productions will constitute the designated number of rehearsal hours as described below. However, the final week of rehearsals (technical rehearsals) will include ten hour days on Saturday and Sunday. All performances will take place in the evenings with the possible exceptions of occasional matinees.

**Table 1 Bachelor of Fine Arts (Theatre)**

Required Courses	Elective Courses
6 credit hours in first-year English courses Visual Arts 2700 and 2701 English 2350 and 2351 English 3205 or 3200 or 3201 6 credit hours selected from the following: Classics 3405, 3410, 4240, 4300, 4305, English 3021, 3022, 3156, 3171, 3181, 3200, 3201, 3206, 3260, 3275, 3902, 4210, 4211, 4300, 4301, 4302, 4305, 4307, 4308, 4317, 4912, Folklore 3300, French 3501, Spanish 4502	18 credit hours in elective courses
75 credit hours in Theatre courses chosen in accordance with the following pattern: Theatre 1000, 1001, 1010, 1020, 4030, 4040, and 4001 and 47 credit hours in one of the following Majors: <b>Acting:</b> Theatre 1110, 2010, 2011, 2080, 2081, 3010, 3011, 3070, 3071, 3080, 3081, 4010, 4070, and 4080 <b>Technical Theatre Production:</b> Theatre 1120, 2020, 2021, 2090, 2091, 3020, 3021, 3060, 3061, 3090, 3091, 4020, 4060, and 4090	

Table 2 Suggested Program of Study for the Bachelor of Fine Arts in Theatre

Year 1	Year 3
<b>Fall</b> 3 credit hours in first-year English courses Elective Theatre 1000 Theatre 1010 Theatre 1020	<b>Fall</b> 3 credit hours chosen from Classics 3405, 3410, 4240, 4300, 4305, English 3021, 3022, 3156, 3171, 3181, 3200, 3201, 3206, 3260, 3275, 3902, 4210, 4211, 4300, 4301, 4302, 4305, 4307, 4308, 4317, 4912, Folklore 3300, French 3501, Spanish 4502 Elective Theatre 3010 or Theatre 3020 Theatre 3060 or Theatre 3070 Theatre 3080 or Theatre 3090
<b>Winter</b> 3 credit hours in first-year English courses Elective Elective Theatre 1001 Theatre 1110 or Theatre 1120	<b>Winter</b> 3 credit hours chosen from Classics 3405, 3410, 4240, 4300, 4305, English 3021, 3022, 3156, 3171, 3181, 3200, 3201, 3206, 3260, 3275, 3902, 4210, 4211, 4300, 4301, 4302, 4305, 4307, 4308, 4317, 4912, Folklore 3300, French 3501, Spanish 4502 Elective Theatre 3011 or Theatre 3021 Theatre 3061 or Theatre 3071 Theatre 3081 or Theatre 3091
Year 2	Year 4
<b>Fall</b> English 2350 English 3205 Theatre 2010 or Theatre 2020 Theatre 2080 or Theatre 2090 Visual Arts 2700	<b>Fall</b> Theatre 4010 or Theatre 4020 Theatre 4060 or Theatre 4070 Theatre 4080 or Theatre 4090 Theatre 4040 Theatre 4030
<b>Winter</b> Elective English 2351 Theatre 2011 or Theatre 2021 Theatre 2081 or Theatre 2091 Visual Arts 2701	<b>Winter</b> Theatre 4001



## 7.4.2 Bachelor of Fine Arts (Visual Arts)

[www.grenfell.mun.ca/visual-arts](http://www.grenfell.mun.ca/visual-arts)

- The 120 credit hour, 40 course program and a non-credit health and safety course, may be completed on a full-time basis as set out under **Table 3 Bachelor of Fine Arts (Visual Arts)** and **Table 4 Suggested Program of Study for the Bachelor of Fine Arts (Visual Arts)**.
- The Bachelor of Fine Arts (Visual Arts) degree program is a professional program designed to educate and train students in the history, theory and practice of the Visual Arts. Courses are offered in Computers and Art, Drawing, New Media, Painting, Sculpture, Printmaking, Photography, Textile and Fibre Art, Time-Based Art, and Art History/Visual Culture. The curriculum is devised with the aim of producing well-rounded generalists with a solid grounding in all aspects of the Visual Arts. It illustrates the philosophy that artistic freedom and creative expression require both technical skill and intellectual vision, acquired through a disciplined application of effort and a critical awareness of artistic issues, past and present.
- In addition to Studio and Art History/Visual Culture courses, students will take a number of appropriate academic courses from disciplines other than Visual Arts. It is intended that academic courses be chosen which will enhance the Bachelor of Fine Arts (Visual Arts) program. The first year of the program consists of an in-depth exploration of a wide range of media and an introductory health and safety studio component. This is in preparation for continued study in a given discipline or, alternatively, exploring new disciplines in the second year. Intermediate studio courses in the third year emphasize the production of self-directed bodies of work in extended practices. In the fourth year, the senior studio seminar course includes professional practices. The 4950/4951 studio courses are conducted as tutorials, in which, students will work independently on the research and creation of independent bodies of work and confer regularly with instructors. Each year of the program will include Art History/Visual Culture courses as well as academic electives.
- It is recognized that students in the Bachelor of Fine Arts (Visual Arts) program must have occasional opportunities to view important works of art first-hand. Arrangements will therefore be made where possible for students to visit major art centres.
- The Bachelor of Fine Arts (Visual Arts) program is rigorous and demanding and it is assumed that students will normally be enrolled for full-time study. Students who withdraw from a course may put their program in jeopardy or be unable to complete the degree in the normally allotted time. Where circumstances warrant, any prerequisite(s) or co-requisite(s) for Visual Arts courses may be waived by the Program Chair. For further information on waiver or regulations refer to **UNIVERSITY REGULATIONS, General Academic Regulations (Undergraduate) - Appeal of Decisions**.
- Studio courses are offered in the following subjects: Computers and Art, Drawing, New Media, Painting, Sculpture, Printmaking, Photography, Textile and Fibre Art, and Time-Based Art. Courses in a studio subject consist of four hours of practical work in a studio class each week. Course components will require that considerable additional studio work be done outside scheduled class time. Students will supply their own art materials. Some courses may not be offered every year. Courses with a planned rotation are indicated in the University Calendar under **Course Descriptions**. Please consult with the Fine Arts Division prior to registration to confirm course offerings.
- One work of art done during the fourth year may be selected by the Visual Arts Program, in consultation with the student, and retained for the permanent collection of the Campus.

**Table 3 Bachelor of Fine Arts (Visual Arts)**

Required Courses	Elective Courses
6 credit hours in English courses Visual Arts 2700 and 2701 and an additional 18 credit hours in Art History /Visual Culture 18 credit hours in Studio Courses at the 1000 level Visual Arts 1911 24 credit hours in Studio Courses at the 2000 level 15 credit hours in Studio Courses at the 3000 level 3 additional credit hours in Studio Courses at 2000 or 3000 or 4000 level Visual Arts 4800 and 4801 Visual Arts 4950 and 4951	18 credit hours in academic elective courses chosen from Disciplines other than Visual Arts

**Table 4 Suggested Program of Study for the Bachelor of Fine Arts (Visual Arts)**

<b>Year 1</b> 18 credit hours in 1000 level Studio Courses Visual Arts 1911 6 credit hours in Art History Survey I, II (Visual Arts 2700 and 2701) 6 credit hours in English	<b>Year 2</b> 18 credit hours in 2000 level Studio Courses 6 credit hours in Art History/Visual Culture Courses 6 credit hours in Academic Electives
<b>Year 3</b> 12 credit hours in 3000 level Studio Courses 6 credit hours in 2000 or 3000 level Studio Courses 6 credit hours in Art History/Visual Culture Courses 6 credit hours in Academic Electives	<b>Year 4</b> 6 credit hours in Senior Seminar for Studio and Professional Practices I, II (4800, 4801) 6 credit hours in Independent Senior Studio I, II (4950/4951) 6 credit hours in 2000 or 3000 or 4000 level Studio Courses 6 credit hours in Art History/Visual Culture Courses 6 credit hours in Academic Electives

### 7.4.3 Minor Program Offered by the School of Fine Arts

[www.grenfell.mun.ca/minor](http://www.grenfell.mun.ca/minor)

The Art History/Visual Culture Courses Minor Program is applicable to all programs offered at Grenfell Campus except for the Bachelor of Fine Arts degree programs.

**Table 5 Minor Program Offered by the School of Fine Arts**

<b>Art History/Visual Culture Minor</b> Visual Arts 2700 and 2701 18 credit hours in Art History/Visual Culture at the 3000- or 4000-level
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## 7.5 School of Science and the Environment

[www.grenfell.mun.ca/school-of-science-and-the-environment](http://www.grenfell.mun.ca/school-of-science-and-the-environment)

The School of Science and the Environment offers the Bachelor of Environment and Sustainability with **Majors in Environmental Studies or Resource Management** and the Bachelor of Science with Majors in **Computational Mathematics, Environmental Science, General Science, and Physics** general degrees.

A Bachelor of Science (Honours) degree is available in **Environmental Science**.

Minors are available in Economics, Environment and Sustainability, Environmental Science, Environmental Science Biology, Environmental Science Chemistry, Geography, Mathematics, Physics, and Science. Students for the Bachelor of Science degree offered by the School of Science and the Environment may complete a minor offered by the School of Science and the Environment, the School of Arts and Social Science, or the School of Fine Arts. See **Table 19 Minor Programs Offered by the School of Arts and Social Science**, **Table 5 Minor Program Offered by the School of Fine Arts**, and **Table 10 Minor Programs Offered by the School of Science and the Environment**.

Articulation agreements have been established with the College of the North Atlantic for students who have completed the **Two-Year Fish and Wildlife Technician Diploma Program** and the **Two-Year Forest Resources Technician Diploma Program** who wish to obtain the Bachelor of Environment and Sustainability degree.

Students previously admitted to the Bachelor of Arts, Major in Environmental Studies program and the Bachelor of Resource Management, Major in Sustainable Resource Management program must complete all program requirements by June 2021. Students currently completing the requirements of either of these programs must follow the Calendar regulations for the academic year in which they were admitted to the Major. Memorial University of Newfoundland calendars by academic year can be read at [www.mun.ca/regoff/calendar.php](http://www.mun.ca/regoff/calendar.php).

Students completing the Bachelor of Environment and Sustainability or Bachelor of Science degree programs offered by the School of Science and the Environment must also complete the **School of Science and the Environment Core Program Requirements** comprised of 24 credit hours.

### 7.5.1 Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management

- The 120 credit hour, 40 course Bachelor of Environment and Sustainability with specialization in Environmental Studies or Resource Management program may be completed on a full or part-time basis as set out under **Table 1 Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management**.
- A student must complete Core Program Requirements as outlined under **School of Science and the Environment Core Program Requirements**.
- The program consists of a common set of courses which provides an interdisciplinary understanding of environmental studies and resource management issues within the context of the physical, social and economic environments and two sets of courses that provide specialized training in either Environmental Studies or Resource Management.
- A Minor is required for this program.

**Table 1 Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management**

Required Common Courses	Major in Environmental Studies	Major in Resource Management	Additional Requirements
<b>42 credit hours in the following courses:</b> Economics 1010, 3080 3 credit hours in first year English Environment and Sustainability 1000, 2000, 2001, 3000, 3001, 4000, 4010 Environmental Science 1000 Geography 1050, 3222 Political Science 3631 or the former 3731	Economics 2550, 3085 Environment and Sustainability 2200 or 2201, 4200, 4201, 4950 Political Science 2600, 3351 or the former 3550 Sociology 3040 One of: Historical Studies 3030, Humanities 3020, Philosophy 2130 or the former 2561, Religious Studies 3880	Biology 1001, 1002, 2600 Environment and Sustainability 3100, 3101, 4100, 4960 Environmental Science 4132, 4140 (or equivalent field course from Biology, Earth Science or Geography)	Courses as outlined under the <b>School of Science and the Environment Core Program Requirements</b> . A minor comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> Elective courses to make up the total of 120 credit hours.

### 7.5.1.1 Articulation Agreement - Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management for Graduates of the Two-Year Fish and Wildlife Technician Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the two-year Fish and Wildlife Diploma Program offered by the College of the North Atlantic and who are entering the Bachelor of Environment and Sustainability Program will be awarded a total of 60 credit hours towards the 120 credit hour degree program.
- Students will be required to complete an additional 60 credit hours as outlined under **Table 2 Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management for Graduates of the Two-Year Fish and Wildlife Technician Diploma Program Offered by the College of the North Atlantic**.

**Table 2 Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management for Graduates of the Two-Year Fish and Wildlife Technician Diploma Program Offered by the College of the North Atlantic**

Required Courses Major in Environmental Studies	Required Courses Major in Resource Management	Electives
Economics 1010, 3080, 3085 3 credit hours in first year English Environment and Sustainability 1000, 2000, 2001, 2200 or 2201, 3000, 4000, 4010, 4200, 4201, 4950 Geography 1050, 3222 Political Science 3351 or the former 3550, 3631 or the former 3731 Sociology 3040	Economics 1010, 3080 3 credit hours in first year English Environment and Sustainability 1000, 2000, 2001, 3000, 3001, 3100, 3101, 4000, 4010, 4100, 4960 Environmental Science 4140 (or equivalent field course from Biology, Earth Science or Geography) Geography 1050, 3222 Political Science 3631 or the former 3731	3 (Environmental Studies Major) or 6 (Resource Management Major) credit hours in elective courses. Three of these credit hours must be chosen from Art History, Classics, English, History, Humanities, Languages, Philosophy, Religious Studies, Theatre, or Visual Arts.

### 7.5.1.2 Articulation Agreement - Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management for Graduates of the Two-Year Forest Resources Technician Diploma Program Offered by the College of the North Atlantic

- Students who have graduated from the two-year Forest Resources Diploma Program offered by the College of the North Atlantic and who are entering the Bachelor of Environment and Sustainability Program will be awarded a total of 60 credit hours towards the 120 credit-hour degree program.
- Students will be required to complete an additional 60 credit hours as outlined under **Table 3 Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management for Graduates of the Two-Year Forest Resources Technician Diploma Program Offered by the College of the North Atlantic**.

**Table 3 Bachelor of Environment and Sustainability with Majors in Environmental Studies or Resource Management for Graduates of the Two-Year Forest Resources Technician Diploma Program Offered by the College of the North Atlantic**

Required Courses Major in Environmental Studies	Required Courses Major in Resource Management	Electives
Economics 1010, 3080, 3085 3 credit hours in first year English Environment and Sustainability 1000, 2000, 2001, 2200 or 2201, 3000, 4000, 4010, 4200, 4201, 4950 Geography 1050, 3222 Political Science 3351 or the former 3550, 3631 or the former 3731 Sociology 3040	Economics 1010, 3080 3 credit hours in first year English Environment and Sustainability 1000, 2000, 2001, 3000, 3001, 3100, 3101, 4000, 4010, 4100, 4960 Environmental Science 4140 (or equivalent field course from Biology, Earth Science or Geography) Geography 1050, 3222 Political Science 3631 or the former 3731	3 (Environmental Studies Major) or 6 (Resource Management Major) credit hours in elective courses. Three of these credit hours must be chosen from Art History, Classics, English, History, Humanities, Languages, Philosophy, Religious Studies, Theatre, or Visual Arts.

**Table 4 Suggested Program of Study for the Bachelor of Environment and Sustainability**

<b>Year/Semester</b>	<b>Common Courses</b>	<b>Major in Environmental Studies</b>	<b>Major in Resource Management</b>
Year 1, Fall Semester	Economics 1010 Environment and Sustainability 1000 Geography 1050		Biology 1001
Year 1, Winter Semester	English 1000 Environmental Science 1000	Political Science 2600	Biology 1002
Year 2, Fall Semester	Environment and Sustainability 2000 Geography 3222	Environment and Sustainability 2200 (students enrolled in the Environmental Studies Major are required to take either Environment and Sustainability 2200 or 2201)	Biology 2600
Year 2, Winter Semester	Environment and Sustainability 2001	Environment and Sustainability 2201 (students enrolled in the Environmental Studies Major are required to take either Environment and Sustainability 2200 or 2201) One of: History 3030, Humanities 3020, Philosophy 2130 or the former 2561, Religious Studies 3880	
Year 3, Fall Semester	Economics 3080 Political Science 3631 or the former 3731	Economics 2550 Political Science 3351 or the former 3550	Environment and Sustainability 3100 Environment and Sustainability 3101
Year 3, Winter Semester	Environment and Sustainability 3000 Environment and Sustainability 3001	Economics 3085 Sociology 3040	
Year 4, Fall Semester	Environment and Sustainability 4010	Environment and Sustainability 4200	Environment and Sustainability 4100 Environmental Science 4132, 4140 (or an equivalent field course from Biology, Earth Science, or Geography)
Year 4, Winter Semester	Environment and Sustainability 4000	Environment and Sustainability 4201 Environment and Sustainability 4950	Environment and Sustainability 4960

## 7.5.2 Bachelor of Science with Major in Computational Mathematics

[www.grenfell.mun.ca/academics-and-research/Pages/Minors/Mathematics.aspx](http://www.grenfell.mun.ca/academics-and-research/Pages/Minors/Mathematics.aspx)

This Mathematics Major covers the essential undergraduate topics in mathematics, develops rigorous logical thinking, and equips students with computational techniques to model and solve real-world problems. Courses used to complete the requirements of this major may be used to meet the requirements of a minor or second major in a different subject area excluding a minor in Science and a major in General Science.

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 5 Bachelor of Science with Major in Computational Mathematics**.
- A student must complete Core Program Requirements as outlined under **School of Science and the Environment Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major and elective courses to make up the required total of 40 courses, 120 credit hours. A Minor is not required for this program.

**Table 5 Bachelor of Science with Major in Computational Mathematics**

Required Courses	Elective Courses
Courses as outlined under the <b>School of Science and the Environment Core Program Requirements</b> .	Elective courses to make up the total of 120 credit hours.
3 credit hours in a computer programming course Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2320, 3000, 3132, 3240, 4242, 4950 Philosophy 2030 or the former 2210 3 credit hours in Physics chosen from Physics 1020, 1050, 2151, or 2400 Statistics 2550 (or equivalent) 12 further credit hours in Mathematics and Statistics including 3 credit hours at the 2000 level or higher; 6 credit hours at the 3000 level or higher; and 3 credit hours at the 4000 level (Computer Science 2510 and the former 2710, and Physics 2820 and 3820 may be used in place of an equivalent level Mathematics course)	If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> .

### 7.5.3 Bachelor of Science with Major in Environmental Science

[www.grenfell.mun.ca/academics-and-research/Pages/Minors/Environmental-Science.aspx](http://www.grenfell.mun.ca/academics-and-research/Pages/Minors/Environmental-Science.aspx)

The Major consists of an Environmental Science Core which provides a broad appreciation of the interrelationships inherent in any study of the environment and one of two possible streams which provide the depth and focus for the degree program.

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 6 Bachelor of Science with Major in Environmental Science**.
- A student must complete Core Program Requirements as outlined under **School of Science and the Environment Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major and elective courses to make up the required total of 40 courses, 120 credit hours. A Minor is not required for this program.

**Table 6 Bachelor of Science with Major in Environmental Science**

Required Courses	Elective Courses
Courses as outlined under <b>School of Science and the Environment Core Program Requirements</b> .	Elective courses to make up the total of 120 credit hours.
<p><b>Environmental Science Core</b> 54 credit hours as follows: Biology 1001, 1002, 2600 Chemistry 1200/1001 sequence or Chemistry 1050/1051 sequence. It is strongly recommended that students complete one of these sequences of Chemistry courses in their first year. Earth Sciences 1000 Mathematics 1000, Statistics 2550 or equivalent Physics 1020 or 1050 Environmental Science 2000, 3000, 4000 Environmental Science 4950 (or 4951) Two of Environmental Science 4069, 4131, 4133, 4369, 4479, Environment and Sustainability 4201 3 credit hours chosen from Philosophy 2130 or the former 2561, Political Science 3351 or the former 3550, 3631 or the former 3731, Religious Studies 3880. Students are encouraged to take additional courses from this list as electives. 6 credit hours chosen from Environmental Science 2360, Environmental Science 2370, Environmental Science 2430, Environmental Science 3072, Environment and Sustainability 2000 (this course is strongly recommended for the Biology Stream of the Environmental Science program). Students are encouraged to take additional courses from this list as electives.</p> <p>It is recommended that students complete Environmental Science 1000.</p>	<p>If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b>, or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b>, or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b>.</p>
<p><b>Environmental Science Streams</b> A student must choose one of the following streams:</p> <p><b>Biology stream (27 credit hours)</b> Biology 2010, 2122 Chemistry 2440 One of Earth Sciences 1002 or Physics 1021 or Physics 1051 Environmental Science 3110, 3130 3131, 4132, 4140 (or equivalent field course)</p> <p><b>Chemistry stream (33 credit hours)</b> Chemistry 2210, 2301, 2400, 2401 Environmental Science 3210, 3211, 3260, 3261, 4230 Mathematics 1001 Physics 1021 or 1051</p> <p>It is strongly recommended that students considering the Chemistry stream of the Environmental Science program complete Mathematics 1000 and 1001, Physics 1020 or 1050 and one of Physics 1021 or 1051 in their first year; Biology 1001/1002 may be delayed until second year for students in the Chemistry stream of the Environmental Science program.</p>	

## 7.5.4 Bachelor of Science with Major in General Science

[www.grenfell.mun.ca/academics-and-research/Pages/school-of-science-and-the-environment.aspx](http://www.grenfell.mun.ca/academics-and-research/Pages/school-of-science-and-the-environment.aspx)

Students completing the Major in General Science will complete a General Science Core. In addition, they will complete a minimum of 24 credit hours (or 18 credit hours in the case of Mathematics) in each of three streams chosen from Biology, Chemistry, Earth Systems, Mathematics or Physics. A student may not use the same course to satisfy the requirements of more than one stream. Students planning their course selection should be aware of the fact that most senior level science courses have one or more specified prerequisites.

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 7 Bachelor of Science with Major in General Science**.
- A student must complete Core Program Requirements as outlined under **School of Science and the Environment Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major and elective courses to make up the required total of 40 courses, 120 credit hours. A Minor is not required for this program.

**Table 7 Bachelor of Science with Major in General Science**

Required Courses	Elective Courses
Courses as outlined under <b>School of Science and the Environment Core Program Requirements</b> .	Elective courses to make up the total of 120 credit hours.
<b>General Science Core</b> Mathematics 1000, 1001 Physics 1050 (or 1020), 1051 (or 1021). Students in the Physics Stream require Physics 1050, 1051. Science 4000, 4950	If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b> , or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b> , or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b> .
<b>General Science Streams</b> 24 credit hours in each of three streams, chosen from the following list of courses:  <b>Biology:</b> Biology 1001, 1002 Eighteen credit hours from Biology 2010, 2122, 2210, 2250, 2600, 3053, Environmental Science 3072, 3110, 3130, 3131, 4140 (or equivalent field course) where at least 6 credit hours must be beyond the 2000 level.  <b>Chemistry:</b> Chemistry 1001, and 1200 (or equivalents), 2210, 2301 or 2302, 2400 and 2401, another 6 credit hours from Environmental Science 3210, 3211, 4240  <b>Earth Systems:</b> Earth Sciences 1000, 1001 or 1002 Any 18 credit hours (six courses) from the following list, at least 6 credit hours of which are beyond the 2000 level: Environment and Sustainability 2000, 3001, Environmental Science 2360, 2369, 2370, 2371, 2430, 2450, 3072, 3470, 4069, 4369, 4479, Earth Sciences 2150, 3811.  <b>Mathematics:</b> Mathematics 1000, 1001, 2000, 2050, 2320 Nine additional credit hours beyond the 1000 level chosen from Mathematics or Statistics, at least 6 which must be beyond the 2000 level.  <b>Physics:</b> Physics 1050, 1051, 2056, 2820, 3060, 3220 6 credit hours from Physics 2053, 2151, 2400, 2553, 3160, 3180, Earth Sciences 2150, Environmental Science 2430, 2450, 3470, 4479	

### 7.5.5 Bachelor of Science with Major in Physics

www.grenfell.mun.ca/academics-and-research/Pages/Minors/Physics.aspx

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 8 Bachelor of Science with Major Physics** and **Table 9 Suggested Program of Study for the Bachelor of Science with Major in Physics**.
- A student must complete Core Program Requirements as outlined under **School of Science and the Environment Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major and elective courses to make up the required total of 40 courses, 120 credit hours.
- A Minor is not required for this program. However, courses used to complete the requirements of this major may be used to meet the requirements of a minor or second major in a different subject area excluding a minor in Science and a major in General Science.

**Table 8 Bachelor of Science with Major in Physics**

Required Courses	Elective Courses
Courses as outlined under <b>School of Science and the Environment Core Program Requirements</b> .	Elective courses to make up the total of 120 credit hours.
<p>Mathematics 1000, 1001, 2000, 2050, 2260 (or the former Mathematics 3260), 3202. Since Mathematics 2000 is required for a number of upper-year Physics and Mathematics courses, a student not completing Mathematics 1001 in first year will require more time to complete the degree. A student who has completed Mathematics 1000 and Physics 1020 with a minimum grade of 65% may enrol in Physics 1051. Taking the sequence Physics 1020, 1021, and 1051 will increase the number of credit hours needed to complete the major</p> <p>Physics 1050 (or 1020), 1051, 2053, 2056, 2400 or 2151, 2820, 3060, 3061, 3220, 3400, 3650, 4100, 4880, 4950. It is recommended that students complete Chemistry 1200 and 1001. A student who has completed Mathematics 1000 and Physics 1020 with a minimum grade of 65% may enrol in Physics 1051. Taking the sequence Physics 1020, 1021, and 1051 will increase the number of credit hours needed to complete the major</p> <p>9 additional credit hours in Physics chosen from Physics 3160, 3180, 3250, 3230, 3820.</p>	<p>If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b>, or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b>, or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b>.</p>

**Table 9 Suggested Program of Study for the Bachelor of Science with Major in Physics**

Year 1 Fall & winter	Chemistry 1200 (recommended) Elective English 1000 Mathematics 1000 Physics 1050 (or 1020)	Chemistry 1001 (recommended) Elective English 1001 Mathematics 1001 Physics 1051
Year 2 Fall and Winter	Elective Mathematics 2000 Mathematics 2050 Physics 2400 or Physics 2151 Physics 2820	Elective Elective Mathematics 2260 Physics 2053 Physics 2056
Year 3 Fall and Winter	Elective Mathematics 3202 Physics 3060 Physics 3220 Physics 3400	Elective Elective Physics 3061 Physics 3160 and/or Physics 3250 Physics 3650
Year 4 Fall and Winter	Elective Elective Elective Physics 4100 Physics 4880	Elective Elective Elective Physics 3180 and/or Physics 3230 and/or Physics 3820 Physics 4950



## 7.5.6 Minor Programs Offered by the School of Science and the Environment

www.grenfell.mun.ca/minor

**Table 10 Minor Programs Offered by the School of Science and the Environment**

<p><b>Economics Minor</b> Economics 1010 (or the former 2010), 1020 (or the former 2020), 3000, 3010 12 additional credit hours in Economics of which at least 6 must be at the 3000 or 4000-level</p>
<p><b>Environment and Sustainability Minor</b> Environment and Sustainability 1000, 2000, 2001, 3000 Environmental Science 1000 9 additional credit hours in Environment and Sustainability which must be at the 3000 or 4000 level</p>
<p><b>Environmental Science Biology Minor</b> Biology 1001, 1002, 2010, 2122, 2600 3 credit hours from Environmental Science 3110, 3130, 3131, 4131 An additional 6 credit hours in Environmental Science of which at least 3 credit hours must be at the 3000 or 4000 level</p>
<p><b>Environmental Science Chemistry Minor</b> Chemistry 1200, 1001, 2210, 2301, 2440 3 credit hours from Environmental Science 3210 or 3261 An additional 6 credit hours in Environmental Science of which at least 3 credit hours must be at the 3000 or 4000 level</p>
<p><b>Environmental Science Minor</b> Biology 1001, 1002, 2600; or Chemistry 1200, 1001, 2440 Environmental Science 2000 Additional 12 credit hours in science courses within the Environmental Science program of which at least 6 credit hours must be at the 3000 or 4000 level</p>
<p><b>Geography Minor</b> Geography 1050, 2001, 2102, 2195, 2302, 2425 6 additional credit hours in Geography which must be at the 3000 or 4000 level</p>
<p><b>Mathematics Minor</b> Mathematics 1000, 1001 either 18 additional credit hours from Mathematics and Statistics courses at the 2000 level or higher, at least 6 credit hours shall be in courses at the 3000 level or higher (Physics 3820 can be used in place of a Mathematics course at the 3000 level); or 15 additional credit hours from Mathematics and Statistics courses at the 2000 level or higher, at least 6 credit hours shall be in courses at the 3000 level or higher (Physics 3820 can be used in place of a Mathematics course at the 3000 level); and 3 credit hours in one of Computer Science 1510, the former 1710, or Engineering 1020</p>
<p><b>Physics Minor</b> Physics 1050 (or 1020), 1051, 2053, 2056, 2820. An additional 9 credit hours in Physics at the 2000-level or above</p>
<p><b>Science Minor</b> The Minor in Science may be chosen in courses from the following disciplines: Biology, Chemistry, Computer Science, Earth Sciences, Environmental Science, Mathematics, Physics, Science, and Statistics. Students who have completed courses drawn from other Science disciplines must obtain approval of the Committee on Student Academic Affairs upon recommendation of the Dean. Mathematics 1000 6 additional credit hours in first year science courses (At least 3 credit hours must be in a laboratory course chosen from any science discipline except mathematics). Five science courses beyond the 1000 level, at least 6 credit hours of which must be beyond the 2000 level. (Mathematics 1001 may be substituted for one of the 2000 level science courses).</p>
<p>Students for the Bachelor of Environment and Sustainability and Bachelor of Science degrees offered by the School of Science and the Environment may complete a minor offered by the School of Science and the Environment, the School of Arts and Social Science or the School of Fine Arts. See <b>Table 19 Minor Programs Offered by the School of Arts and Social Science</b>, or from <b>Table 5 Minor Program Offered by the School of Fine Arts</b>, or from <b>Table 10 Minor Programs Offered by the School of Science and the Environment</b>.</p>

## 7.6 Bachelor of Nursing (Collaborative)

Information regarding program requirements for the Bachelor of Nursing (Collaborative) degree program is located at the **Faculty of Nursing, Program Regulations, Bachelor of Nursing (Collaborative) Program - Western Memorial Regional Hospital**.

## 8 Honours Degrees

Programs are offered leading to the Honours Degrees of Bachelor of Arts, Bachelor of Business Administration, and Bachelor of Science.

An Honours Bachelor of Arts or Bachelor of Science degree requires, over and above the requirement of the General degree, a concentration at an advanced level in an approved field, consisting of a subject or subjects of specialization and/or related subjects, and a high quality of work throughout the program. An Honours degree is of distinct advantage to students who plan advanced work or careers in their chosen fields and also to those who have a clear commitment to some special field of study. An Honours degree with first or second class standing is, in many cases, a prerequisite for admission to a graduate program. The Honours Degree of Bachelor of Arts is available in Psychology and the Honours Degree of Bachelor of Science is available in Environmental Science and Psychology.

An Honours Bachelor of Business Administration signifies superior academic achievement.

### 8.1 Admission and Registration for Honours Bachelor of Arts or Bachelor of Science Degrees

1. Admission to the Honours degree is competitive and limited, depending upon available resources. Students should consult the criteria established for the program in question. To be considered for admission to an Honours program a candidate shall complete an "Application For Admission to the Honours Program" form. The application must be approved by the Program Chair of the Major before the student can be admitted to the program.

A student who wishes to enter an honours program is strongly advised to consult the Program Chair at the earliest possible date, as it may not be possible to complete the requirements for the degree in the normal time if the decision to embark on the program is delayed beyond the end of the second year.

2. Students who have been awarded the General Degree of Bachelor of Arts or Bachelor of Science at Grenfell Campus may convert it to an Honours Degree of Bachelor of Arts or Bachelor of Science by following procedure outlined in 1. above.
3. Before registering for any semester or any session, the candidate is strongly advised to consult with the Program Chair on the student's choice of courses. Failure to comply with this requirement may result in denial of access to certain courses.

### 8.2 Admission and Registration for Honours Bachelor of Business Administration Degree

Students do not apply for admission to this program but rather must indicate their desire to be considered for the Bachelor of Business Administration (Honours) by the appropriate deadline date to graduate on the prescribed "Application for Graduation " form. This form may be obtained on-line at the Memorial Self Service at [www3.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www3.mun.ca/admit/twbkwbis.P_WWWLogin). Additional information is available from the Office of the Registrar at [www.mun.ca/regoff/graduation](http://www.mun.ca/regoff/graduation).

### 8.3 Course Requirements for Honours Bachelor of Arts or Bachelor of Science Degrees

Students for the Honours Degree of Bachelor of Arts or Bachelor of Science shall complete a program of studies which shall consist of not fewer than 120 credit hours subject to the following regulations:

1. All students are required to complete the Core Program Requirements governing the Bachelor of Arts and Bachelor of Science degrees in either the School of Arts and Social Science (for the Honours Bachelor of Arts or Honours Bachelor of Science in Psychology) or the School of Science and the Environment (for the Honours Bachelor of Science in Environmental Science).
2. All students must also submit an Honours thesis or dissertation on an approved topic which may be followed by an oral examination thereon. Two copies of the Honours thesis/dissertation must be submitted to the University Library upon completion. All Honours theses/dissertations in the University Library shall be available for unrestricted consultation by students and faculty except under very exceptional circumstances which must be approved by the relevant Committee on Student Academic Affairs. Copyright remains with the author. A signed release form must accompany a thesis or dissertation when it is submitted to the University Library.
3. Further courses shall be chosen:
  - a. minimum 60 credit hours in the major and, where applicable, not fewer than 24 credit hours in the minor; and
  - b. courses to make up a minimum of 120 credit hours, other than those required for the Core Program, major and minor, shall be chosen as follows:
    - i. any courses in Arts, Science, Social Science and Fine Arts
    - ii. up to 15 credit hours in other subject areas.

### 8.4 Course Requirements for Honours Bachelor of Business Administration Degree

A student must meet all the regulations governing the General Degree of **Bachelor of Business Administration and Academic Standing for Honours Bachelor of Business Administration Degree**.

### 8.5 Program Regulations for Honours Bachelor of Arts or Bachelor of Science Degrees

Students for Honours degrees must comply with such additional requirements of the appropriate Program(s) as approved by the Senate and printed in the University Calendar.

### 8.6 Program Regulations for Honours Bachelor of Business Administration Degree

A student must meet all the regulations governing the General Degree of **Bachelor of Business Administration**.

## 8.7 Academic Standing for Honours Bachelor of Arts or Bachelor of Science Degrees

In order to be considered for graduation with an Honours degree, a student shall obtain:

1. A grade of 'B' 70% or better, or an average of 75% or higher in the courses that comprise the minimum number of credit hours in the Honours subject(s) prescribed by the program concerned as outlined under the regulations governing specific Honours degree programs, excluding 1000-level courses. Students who wish to fulfil this requirement using repeated or substituted courses must obtain approval of the Program Chair and the relevant Committee on Student Academic Affairs. The Honours thesis or dissertation may not be repeated or substituted. A grade of 70% or better must be obtained in the Honours dissertation; and
2. An average of at least 2.75 points per credit hour in the courses required for the degree. See **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate), Grading** for explanation of the point system.

For information regarding classification of degrees see **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate), Graduation**.

### 8.7.1 Classification of Degrees

1. If a student's general average is 3.25 points or better per credit hour in required courses and the average is 3.5 points or better per credit hour in the courses in the Honours subject (excluding 1000-level courses), the student shall be awarded an Honours degree with First Class standing.
2. If a student fulfils the conditions of Academic Standing above but not of Regulation 1. under **Classification of Degrees**, the student shall be awarded an Honours degree with Second Class standing.
3. No classification will be given to the degree awarded a student who has completed fewer than one half of the courses required for the degree at this University, or who has completed fewer than one half of the courses required for the degree at this University since 1959. All students for such degrees shall, however, fulfil the condition of **Academic Standing** above on the courses taken at this University since September 1959 in order to qualify for the degree.
4. A declared student for an Honours degree who fails to attain the academic standing specified in **Academic Standing** above but fulfils the academic requirements for a General degree shall be awarded a General degree, the classification of which shall be determined in accordance with **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate), Graduation**.

## 8.8 Academic Standing for Honours Bachelor of Business Administration Degree

Students are not permitted to repeat or substitute courses for the purposes of meeting the criteria below.

A declared student for an Honours degree who fails to fulfil the criteria below but fulfils the requirements for the general degree will be awarded the general degree of Bachelor of Business Administration.

In order to be considered for graduation with an Honours degree, a student shall obtain:

1. a minimum overall average of 75% in the required Business courses prescribed in **Table 6 Bachelor of Business Administration** and courses selected from **Table 7 Business Electives**; and
2. obtain a minimum overall grade point average of 3.25 in the 120 credit hours required for the degree.

## 8.9 Honours in Environmental Science (B.Sc.)

### 8.9.1 Course Requirements for Honours in Environmental Science (B.Sc.)

1. Students must meet the General Regulations for Grenfell Campus Bachelor of Science degree.
2. Students must complete 81 or 87 credit hours as follows:
  - a. the Environmental Science Core requirements as outlined under **Bachelor of Science with Major in Environmental Science**.
  - b. the course requirements of a specific stream as outlined under **Bachelor of Science with Major in Environmental Science**.
3. Students must complete 3 additional credit hours in courses at the 4000 level. These credit hours normally will be drawn from: Environmental Science 4069, 4131, 4133, 4369, 4479 and Environment and Sustainability 4201  
Students, in close consultation with a faculty advisor and the agreement of the Chair of the Program, may select fourth-year honours requirement courses in place of those required above, so long as such selections are consistent with the Major to which they are added. Such honours selections will be subject to approval by the School of Science and the Environment Committee on Student Academic Affairs.
4. Honours graduates of the Environmental Science Program will have also completed a two-semester research project consisting of a research proposal and literature review course (Environmental Science 4951) and a research project course (Environmental Science 4959).
5. In order to be considered for graduation with an Honours degree, the candidate must satisfy the regulations regarding **Academic Standing** as specified under **Honours Degrees**.

Courses used to calculate the academic standing as outlined under **Honours Degrees** include all required Environmental Science and Chemistry courses for the Chemistry stream students and all required Environmental Science and Biology courses for the Biology stream students, excluding, in both cases, 1000 level courses.

More specifically, courses normally used for calculations would be:

#### **Biology stream**

Biology 2010, 2122, 2600

Two of: Environmental Science 2360, 2370, 2430, 3072, or Environment and Sustainability 2000

Environmental Science 3110, 3130, 3131, 4132, 4140 (or equivalent)

Three of: Environmental Science 4069, 4131, 4133, 4369, 4479 or Environment and Sustainability 4201

Environmental Science 2000, 3000, 4000, 4951, 4959

#### **Chemistry stream:**

Chemistry 2210, 2301, 2400, 2401

Two of: Environmental Science 2360, 2370, 2430, 3072, or Environment and Sustainability 2000

Environmental Science 3210, 3211, 3260, 3261, 4230

Three of: Environmental Science 4069, 4131, 4133, 4369, 4479, or Environment and Sustainability 4201

Environmental Science 2000, 3000, 4000, 4951, 4959

## 8.9.2 Honours Dissertation for Honours in Environmental Science (B.Sc.)

The honours project sequence (Environmental Science 4951 and 4959) involves the production of an honours dissertation. This dissertation will be evaluated by a three member committee that includes the dissertation supervisor(s) and that is approved by the Environmental Science faculty unit.

## 8.10 Honours in Psychology

The Honours B.A. and B.Sc. degrees in Psychology offer greater concentration in the discipline and also require a higher level of academic achievement than is required for the completion of a degree. The Honours degrees in Psychology at Grenfell Campus are 120 credit hour programs normally requiring four years for completion (See **Honours Degrees**).

### 8.10.1 Course Requirements for Honours in Psychology

Students must meet the General Regulations for Grenfell Campus Bachelor of Arts or Bachelor of Science degree.

Students must also complete:

1. Psychology 1000, 1001, 2025, 2125, 2225, 2425, 2625, 2825, 2925, 2950, 3950, 4910, 4925;
2. 15 credit hours from Psychology 3025, 3040 3125, 3126, 3225, 3226, 3325, 3425, 3525, 3625, 3626, 3627, 3628, 3725, 3825; and
3. a two-semester research project, Psychology 4951 and 4959.

Students for the Bachelor of Science (Honours) degree in Psychology shall also complete an additional 27 credit hours as follows:

1. 6 credit hours in Mathematics, which must include Mathematics 1000;
2. Biology 1001 and 1002;
3. Chemistry 1200 and 1001 OR Physics 1020 (or 1050) and 1021 (or 1051); and
4. 9 credit hours at the 2000 level or above (two courses of which must be laboratory courses) in one of the following subjects: Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science or Physics.

In order to be considered for graduation with an Honours degree, the candidate must satisfy the regulations regarding **Academic Standing** as specified under **Honours Degrees**.

Students completing this program cannot receive credit for Psychology 2920.

### 8.10.2 Honours Thesis for Honours in Psychology

The Honours project sequence (Psychology 4951 and 4959) involves the production of an Honours thesis. This thesis will be evaluated by the thesis supervisor and an additional faculty member selected by mutual consent of the candidate and the supervisor.

## 9 Promotion Regulations

For all programs students must meet the general academic regulations (undergraduate) of the University and all general and program regulations of Grenfell Campus. For further information refer to **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)**. In addition, student completing the Bachelor of Fine Arts (Theatre) or the Bachelor of Fine Arts (Visual Arts) must fulfill the promotion regulations outlined below as appropriate.

### 9.1 Bachelor of Fine Arts (Theatre)

#### 9.1.1 Academic Performance

1. Attendance and participation in all studio courses and production rehearsals is vital to the collaborative nature of the program of study in Theatre. Absence from classes or rehearsals of any one student could jeopardize a production, the proper dissemination of practical skills and the overall safety of the students. Therefore attendance at all studio classes, rehearsals and crew calls will be compulsory.
2. A student who has failed a studio course shall not take more advanced courses in that discipline until the failed course has been satisfactorily completed.
3. A student shall complete all 1000 level Theatre courses before advancing to any 2000 level Theatre course.
4. A student whose average in the Theatre courses for the Bachelor of Fine Arts degree falls below 65 percent in any semester will be placed on probation within the program. A student placed on probation at the end of the final semester of the Theatre program will not be recommended for graduation.
5. A student will be required to withdraw from the program if the candidate's average in Theatre courses falls below 65 percent in each of two consecutive semesters of enrollment in the program.
6. A student who has withdrawn or who have been required to withdraw from the Bachelor of Fine Arts (Theatre) program and who wishes to re-enter the program must re-apply in competition after a lapse of two semesters by April 30 for the upcoming Fall semester, or by August 30 for the upcoming Winter semester.
7. A student who has been required to withdraw twice from the Bachelor of Fine Arts (Theatre) program shall be ineligible for further admission.
8. The Bachelor of Fine Arts (Theatre) program is intended for full-time students only. Students are strongly advised to take the full course load as prescribed each semester and so progress through the degree in clearly defined blocks of courses.

### 9.2 Bachelor of Fine Arts (Visual Arts)

#### 9.2.1 Academic Performance

##### 9.2.1.1 Attendance

1. Attendance at all studio courses is considered vital to the program and will be required. Failure to attend may result in the student being dropped from the course.
2. A student whose average in Visual Arts courses falls below 65% in any semester will be placed on probation by the Visual Arts program.

3. A student registered beyond the first semester of the **Foundation Year** will be required to withdraw from the program if:
  - a. The student's cumulative average in Visual Arts courses required for the program falls below 65%. or
  - b. The student's average in Visual Arts courses falls below 65% in each of two consecutive semesters of enrolment in the program.
4. A student will be denied graduation if, at the end of the final semester of the Visual Arts Program:
  - a. The student's cumulative average in Visual Arts courses required for the program falls below 65%. or
  - b. The student's term average in Visual Arts courses falls below 65% in each of the last two consecutive semesters of enrolment in the program.

A student denied graduation for either of these reasons will be permitted to register for Visual Arts courses without a waiting period and re-application, and is not bound by Regulation 7 below.
5. A student who has voluntarily withdrawn from the Bachelor of Fine Arts (Visual Arts) program and who wishes to re-enter must re-apply by March 1<sup>st</sup> for the upcoming Fall semester, or by August 30<sup>th</sup> for the upcoming Winter semester.
6. A student who has been required to withdraw from the Bachelor of Fine Arts (Visual Arts) program and who wishes to re-enter must re-apply in competition after a lapse of two semesters by March 1<sup>st</sup> for the upcoming academic year.
7. A student who has been required to withdraw twice from the Bachelor of Fine Arts (Visual Arts) program shall be ineligible for further admission to the Visual Arts Program.

### 9.2.1.2 Calculation of Visual Arts Average

1. Promotion status within the Visual Arts program will be determined by semester or cumulative average of Visual Arts courses only.
2. A failed Visual Arts course grade will be used to calculate the cumulative average for Visual Arts courses and the semester average for Visual Arts courses for the semester in which the fail occurs.
3. A failed visual arts course will not be used in calculating the cumulative average for Visual Arts courses beyond the semester in which it occurred but will remain on the academic transcript.

### 9.2.1.3 Probationary Promotion

A student whose semester average in Visual Arts courses falls below 65% will be placed on probation by the Visual Arts program.

### 9.2.1.4 Promotion Denied

1. A student registered beyond the first semester of 1000 level Visual Arts courses will be required to withdraw from the program if:
  - a. the student's cumulative average in Visual Arts courses required for the program falls below 65% or
  - b. the student's semester average in Visual Arts courses falls below 65% in each of two consecutive semesters of enrolment in the program.

### 9.2.1.5 Graduation Denied

1. A student will be denied graduation if, at the end of the final semester of the Visual Arts Program:
  - a. the student's cumulative average in Visual Arts courses required for the program falls below 65% or
  - b. the student's semester average in Visual Arts courses falls below 65% in each of their last two consecutive semesters of enrolment in the program.

A student denied graduation for either of these reasons will be permitted to register for Visual Arts courses without a waiting period and re-application, and is not bound by Regulation 7 under **Attendance** above.

## 10 Graduation

Upon meeting the qualifications for any of the programs listed above a student must apply by the appropriate deadline date to graduate on the prescribed "Application for Graduation" form. This form may be obtained on-line at Memorial Self Service. Additional information is available from the Office of the Registrar at [www.mun.ca/regoff/graduation](http://www.mun.ca/regoff/graduation).

## 11 Waiver of Regulations

Every student has the right to request waiver of Grenfell Campus regulations. Students wishing waiver of University academic regulations should refer to **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) - Waiver of Regulations**.

### 11.1 General Information

- Grenfell Campus reserves the right in special circumstances to modify, alter, or waive any Grenfell Campus regulation in its application to individual students where merit and equity so warrant in the judgment of the relevant Committee on Student Academic Affairs (for the School of Arts and Social Science or School of Science and the Environment) or the Academic Studies Committee (for the School of Fine Arts).
- All requests, other than requests for waiver of a prerequisite or co-requisite of a course, must be submitted to the appropriate School Committee on Student Academic Affairs or Academic Studies Committee for consideration. Waiver of a course prerequisite or co-requisite may be granted by the course instructor.
- Any waiver granted does not reduce the total number of credit hours required for the degree.

## 12 Appeal of Decisions

Any student whose request for waiver of Grenfell Campus regulations has been denied has the right to appeal. For further information refer to **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) - Appeal of Decisions**.

## 13 Course Descriptions

In accordance with Senate's *Policy Regarding Inactive Courses*, the course descriptions for courses which have not been offered in the previous three academic years and which are not scheduled to

be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the appropriate Dean of the School.

Prerequisites may be waived by the Dean/Program Chair of the course area in question.

Upon the recommendation of the appropriate Program Chair(s), any Major requirements may be waived by the relevant Committee on Student Academic Affairs (for the School of Arts and Social Science or School of Science and the Environment) or the Academic Studies Committee (for the School of Fine Arts).

Some of the courses in this section of the Calendar are available only at Grenfell Campus. Students who choose to transfer from Grenfell Campus to the St. John's campus should see their faculty advisor to determine the extent to which such courses can be applied to their new program.

## 13.1 Anthropology

Anthropology 1030 and Anthropology 1031 or an equivalent course or courses are required of all students wishing to concentrate in anthropology.

The following courses, cross-listed with the Department of Sociology and identified by the prefix "S/A", are also taught at the introductory level: 2200, 2210, 2220, 2230, 2240, 2260, 2270, 2280, and 2350. These courses can be taken as first courses or may be taken following an Anthropology introductory course.

Anthropology courses are designated by ANTH.

**1031 Introduction to Anthropology** provides an overview of the field of social and cultural anthropology. It covers key anthropological concepts used to study issues such as inequality, social justice, the environment, work, politics and law, family, identity, gender and sexuality, ethnicity, spirituality, and communication. An emphasis is placed on human diversity, international examples, and processes of globalization. This course is suitable for students in all disciplines.  
CR: the former ANTH 1000 or 2000

**2200 Communities (S/A 2200)** is an interdisciplinary examination of the concept of Community. Readings will include community studies from North America and Europe.

**2210 Communication and Culture (S/A 2210)** is an examination of verbal and non-verbal systems of communication, and the influence of language on human cognition.

**2220 Labrador Society and Culture** examines the Sociology and Anthropology of Labrador. The focus is on social and cultural aspects of contemporary Labrador.

**2230 Newfoundland Society and Culture (S/A 2230)** (same as Folklore 2230) examines the Sociology and Anthropology of the Island of Newfoundland. The focus is on social and cultural aspects of contemporary island Newfoundland.  
CR: Folklore 2230

**2240 Canadian Society and Culture (S/A 2240)** is a descriptive and analytic approach to the development of Canadian society and culture.

**2260 War and Aggression (S/A 2260)** is a critical review of ethological, psychological and sociological approaches to the understanding of violence and organized aggression.

**2270 Families (S/A 2270)** is a comparative and historical perspective on the family as a social institution, the range of variation in its structure and the determinants of its development.

**2280 The City (S/A 2280)** examines varieties of urban life around the world and through history. The city as habitat and as spectacle.

**2300 Newfoundland Folklore** (same as Folklore 2300) is a survey of the various types of Folklore: tale, song, rhyme, riddle, proverb, belief, custom, childlore and others, with stress on their function in the Newfoundland community culture. Individual collection and analysis of materials from the students' home communities, supplemented by data from the Memorial University of Newfoundland Folklore and Language Archive.  
CR: the former Folklore 3420, Folklore 2300  
PR: Folklore 1000 or ANTH 1031

**2350 Religious Institutions (S/A 2350)** (same as Religious Studies 2350) is a comparative study of religious institutions and beliefs, calendrical feasts and solemnities, religious roles and hierarchies, ritual innovation and revitalization.  
CR: Religious Studies 2350  
UL: not applicable towards the Major or Minor in Anthropology

**2410 Classics in Social and Cultural Anthropology** is an examination of selected milestone monographs, ground-breaking studies for subdisciplinary specialties and major syntheses.

**2411 Anthropologists in the Field** base many of their ideas on experiences they have while living in other cultures. This course examines the human relationships through which anthropologists explore cultures and

how in turn these relationships affect the anthropologists and the development of their discipline.

**2412 Threatened Peoples** is an examination of key social and cultural factors involved in the global extinction of small-scale societies; the intrusive influences that jeopardize small-scale societies, such as disease; economic and military incursion; the role of international non-governmental agencies in aid of threatened peoples; and the role of the anthropologist in this human crisis.

**2413 Modern World Cultures** is an examination of significant studies of 20th century populations and their implications for understanding the human condition.

**2500 Folk Literature** (same as Folklore 2500) is an examination of the major genres of folk literature: folk narrative, folk poetry and song, folk drama, and the traditional generic forms within folk speech. An introduction to the textual, comparative and contextual methods of analysis. The literature discussed will be international in scope.

CR: Folklore 2500, the former Folklore 3400, English 3400, Sociology/  
Anthropology 3400,  
PR: Folklore 1000 or ANTH 1031

**3053 Anthropology of Religion** is a critical evaluation of anthropological research on religion, centering on seminal thinkers and major theoretical traditions. Special attention is given to the study of belief systems, and to relationships between belief and ritual.  
CR: Religious Studies 3053

**3080 The Third World** is an examination of the anthropology of the Third World. The course considers perspectives on peasantry, including such topics as underdevelopment, land reform, hunger, political and social movement.

**3083 Cultural Crises and the Environment** is an examination of social and cultural aspects of dilemmas in the use of renewable and non-renewable resources such as animals, arable land, forests, fisheries, air, water, fossil fuel, and nuclear energy. Special attention to Third World and marginal populations.

**3140 Social Movements (S/A 3140)** is an examination of social movements which challenge prevailing social institutions and cultural values. Social movements considered may include religious cults and sects, millenarian movements, attempts at utopian and communal living, feminism, labour and revolutionary movements.

**3210 Persistence and Change in Rural Society (S/A 3210)** assesses the social and cultural significance of the rural experience in the face of expanding urbanism. Topics may include the nature of rural society in Canada, similarities between Canadian and European rural society, utopian and anarchist movements in rural life, and reaction of agricultural populations to external influence.

**3314 Gender and Society (S/A 3314)** is an examination of biological, psychological, social and cultural aspects of gender, with an emphasis upon contemporary directions of change in sex roles.

**3520 Aboriginal History to 1763** (same as Archaeology 3520 and History 3520) examines Aboriginal history in North America, including the Innu, Inuit, Beothuk and Mi'kmaq, from before European contact to the Royal Proclamation in 1763. Particular attention will be paid to historical encounters framed by first contacts, cultural exchange, trade, disease, religious encounters, conflict and diplomacy, and territorial encroachment.  
CR: Archaeology 3520 and History 3520

**3525 Aboriginal History from 1763** (same as Archaeology 3525 and History 3525) examines the history of Aboriginal peoples in North America, including the Innu, Inuit, Beothuk and Mi'kmaq, from 1763 to the twentieth century. Particular attention will be paid to Indigenous-settler relations, including Aboriginal policies, military encounters and diplomacy, expansion and removals, education, treaties, and politicization.  
CR: Archaeology 3525 and History 3525

**4071 Social and Cultural Aspects of Health and Illness (S/A 4071)** covers topics which may include: cultural concepts of illness and health; theories of disease causation; relationships between social life and illness patterns; symbolic use of illness; variations in philosophies of treatment and in practitioner/patient relationships; the social organization of medicine. Open to those without normal prerequisites by permission of the Instructor.

**4072 Social and Cultural Aspects of Death (S/A 4072)** covers topics which may include: symbolic meanings and values attached to death; cultural and historical variations in the management of death, e.g. treatment of the 'terminally ill', burial rites, the mourning process, and the social fate of survivors, together with the social and psychological meanings of these behaviours. Open to those without normal prerequisites by permission of the Instructor.

**4440 Music and Culture (S/C 4440)** (same as Folklore 4440, Music 4040, the former Music 4440) explores traditional music as an aspect of human behaviour in Western and non-European cultures. Examination of the

functions and uses of music; folk-popular-art music distinctions; and the relation of style to content. Outside reading, class exercises and individual reports will be required.

CR: Folklore 4440, Music 4040, the former Music 4440

## 13.2 Biochemistry

Biochemistry courses are designated by BIOC.

**1430 Biochemistry for Nurses** is an introduction to the chemistry and structure-function relationships of carbohydrates, lipids and proteins. Basic metabolism of carbohydrates and fats, with emphasis on the biochemical fluctuations that occur in human health and disease. A brief introduction to molecular genetics. This course may not be used for credit to fulfil the requirements for a major in the Department of Biochemistry. Entry into this course is restricted to students in the Bachelor of Nursing (Collaborative) Program. Prospective fast-track program students should consult with the Faculty of Nursing concerning admission to this course.

CR: the former BIOC 2430

LC: 4

PR: Level 3 Chemistry or Chemistry 1010 or Chemistry 1810 or equivalent

## 13.3 Biology

Students may obtain credit for only 6 1000-level credit hours in Biology. Normally, these courses will be Biology 1001-1002, which are prerequisite to all higher courses in Biology, except where noted below.

Biology courses are designated by BIOL.

**1001-1002 Principles of Biology** is an introduction to the science of Biology, including a discussion of the unity, diversity and evolution of living organisms.

LH: 3

PR: BIOL 1001 is a prerequisite for BIOL 1002; Science 1807 and Science 1808

**2010 Biology of Plants** is a study of the structure, function and reproductive Biology of plants, with emphasis on the vascular plants, and on their relationship to environment and human activities.

LC: 3

LH: 3

PR: BIOL 1001, BIOL 1002, and Chemistry 1001; Science 1807 and Science 1808

**2040 Modern Biology and Human Society I** examines various aspects of the human body, and the implications of modern biological research for human beings. Topics include cancer; diet and nutrition and associated diseases; circulatory disease, immunity, human genetics, biorhythms, new diseases, genetic engineering and reproductive engineering.

UL: cannot be used towards the Minor, Major or Honours programs in Biology

**2041 Modern Biology and Human Society II** examines the origins and consequences of the environmental crisis of the 20th century. Topics include the population explosion, energy, material cycles, air and water and land pollution, global food supplies, the fisheries, wildlands, renewable and non-renewable resources, environmental ethics.

UL: cannot be used towards the Minor, Major or Honours programs in Biology

**2122 Biology of Invertebrates** is a study of the invertebrates with emphasis on structure and function, adaptations and life histories. The laboratories will present a broad survey of the major invertebrate groups.

CR: the former BIOL 3122

LH: 3

PR: BIOL 1001 and BIOL 1002; Science 1807 and Science 1808

**2210 Biology of Vertebrates** is a study of the vertebrates, with emphasis on structure and function, adaptations and life histories.

CR: the former BIOL 3210

LH: 3

PR: BIOL 1002; Science 1807 and Science 1808

**2250 Principles of Genetics** is an introduction to Mendelian and molecular genetics. Phenotype and genotype, behaviour of alleles in genetic crosses, chromosome theory of inheritance, genetic linkage, molecular Biology of DNA, RNA and protein, molecular basis of mutation, recombinant DNA, applications of genetic biotechnology.

CO: Chemistry 2440 or Chemistry 2400

CR: the former BIOL 3250

LH: 3

PR: Chemistry 2440 or Chemistry 2400, BIOL 1001 and 1002, Chemistry 1010, the former 1011 or 1050/1051; Science 1807 and Science 1808

**2600 Principles of Ecology** is a conceptual course introducing the principles of ecology, including theoretical, functional and empirical approaches.

CR: the former BIOL 3600

LH: 3

PR: BIOL 1002; Science 1807 and Science 1808

**3053 Microbiology for Nurses** is a course on the fundamentals of microbiology with an emphasis on medical microbiology. The course will include topics such as: host responses to infections, human diseases caused by microorganisms, and the control and exploitation of microorganisms. Entrance is restricted to Nursing students in the Bachelor of Nursing (Collaborative) program.

LH: 2

PR: Science 1807 and Science 1808

UL: cannot be used as one of the required courses for the Minor, Major, or Honours in Biology, nor is it acceptable for any of the joint programs between Biology and other disciplines

## 13.4 Business

Enrolment in some Business courses is limited and first priority will be given to students registered in Grenfell Campus's Business Administration programs.

Business courses are designated by BUSN.

### 13.4.1 Core Program Course Descriptions

**1010 Introduction to Business** provides students with an overview of business in the Canadian environment, with a focus on the economic and business systems, as well as major social, technological, and global trends. The course introduces students to fundamental concepts related to many functional areas of business, such as human resource management, marketing, production, operations management, accounting, and financial management. Emphasis is placed on relating the course material to current events in the business world, as well as helping students acquire critical and analytical thinking skills.

CR: Business 1000 and the former Business 2001

UL: may be used in place of Business 1000 in programs offered by the Faculty of Business Administration at the St. John's Campus

**1020 Introduction to Entrepreneurship** is designed to give students a broad understanding of the field of entrepreneurship, the role that entrepreneurship plays in society, and the importance of small business in Canada. Topics will include the nature and theories of entrepreneurship, the characteristics and behaviours of entrepreneurs, and the entrepreneurial process in small and large firms. Students will get to think and act in a creative manner, engage with local entrepreneurs, and evaluate their own entrepreneurial skill set. Students will learn entrepreneurial, technical and communication skills that will be useful in any organizational setting.

CR: Business 1600

**2020 Business and Professional Communication** focuses on the development of written, oral, and visual communication skills for modern professional environments. Students will learn the fundamentals of business research, analytical thinking, presentation design and delivery, professional document creation, and effective writing. This course will introduce theoretical background and provide the opportunity for students to develop their expertise in teamwork, critical thinking, writing and presentation skills.

CR: Business 2000, Business 2010

PR: 6 credit hours in first-year English

**2100 Financial Accounting I** introduces the concepts of financial accounting using the Canadian framework. Topics include the nature of accounting, the accounting cycle, and preparation of financial statements: balance sheet, income statement, statement of owner's equity and statement of cash flow. Specific topics include accounting for assets as well as current and long-term liabilities in both service and merchandising operations.

CR: Business 1101, Business 2102, the former Business 3100, the former Business 2100

**2110 Managerial Accounting I** introduces students to the concepts of preparing and using financial data for managerial decision making. Topics include job costing, process costing, activity-based costing, cost-volume-profit analysis, budgeting, and variance analysis.

CR: Business 2101, Business 2102, the former Business 4100

PR: BUSN 2100 or Business 1101

**2200 Marketing I** introduces students to marketing strategy development, including a consideration of a firm's marketing-specific goals, strengths, weaknesses, and opportunities, environmental and competitive analysis, marketing research, consumer behaviour, and market segmentation, targeting and positioning. Students will assess and develop marketing strategies and action plans that address strategic marketing challenges in these areas.

CR: Business 1210, the former Business 1201, the former Business 2201, the former Business 3200

PR: BUSN 1010 or Business 1000 or BUSN 1020

**2250 Marketing II** introduces students to practical decision making based on the concepts, analyses, and activities that comprise marketing tactics: product management, pricing considerations, promotional strategies, channels of distribution, customer relationship marketing, implementation, evaluation, and control.

CR: Business 2210, the former Business 1201, the former Business 2201, the former Business 3200  
PR: BUSN 2200 or Business 1210

**2300 Organizational Behaviour** highlights the contribution of the applied behavioural sciences to the study of work in today's organizations with a particular focus on individual and group processes. Students will examine topics in personality, perception, motivation, communication, group dynamics, leadership, workforce diversity, conflict management and organizational culture.

CR: Business 3310, the former Business 2301, the former Business 4300

**2310 Business Leadership** further develops concepts from Organizational Behaviour and provides students with an opportunity to explore various theories of leadership in the context of today's business environment. Students will consider topics related to effective leadership and management that may include an examination of leader behaviour, attitudes and style, the role of self-awareness and emotional intelligence, communication style, followership, employee motivation and engagement, power and influence tactics, and ethics and social responsibility in decision making.

CR: the former Business 3350  
PR: BUSN 2300 or Business 3310 or the former Business 2301

**3010 Organizational Theory** emphasizes the fundamental concepts of organizational theory: the nature of organizational structure and its determinants in a complex global economy, the boundaries and impacts of organizational environments, measures of organizational effectiveness, and the roles of organizational learning, culture, innovation, development and change in shaping today's organizations. In addition to exploring the underlying theory of these organization-level phenomena, students will have an opportunity to critically apply course concepts to their own professional experiences.

CR: Business 5301, the former Business 5300  
PR: BUSN 2300 or Business 3310 or the former Business 2301

**3030 Canadian Business Law I** introduces the student to the Canadian legal system and substantive areas of the law that are of particular relevance to the business setting. Topics include torts, negligence, contracts, legal structures for business formation, employment and property law. Emphasis will be placed on risk management. The course is taught through a variety of means used to improve the student's critical thinking skills.

CR: Business 4000, the former Business 3000  
PR: completion of at least 60 credit hours

**3300 Human Resource Management** provides background in the theory and practice of human resource management (HRM) in modern organizations. Students will learn the fundamentals of traditional human resource functions that focus on forecasting, attracting, retaining, developing, evaluating, and compensating employees. Contemporary issues in HRM will also be considered.

CR: Business 4320  
PR: BUSN 2300 or Business 3310

**3410 Operations Management** teaches fundamental concepts regarding the nature, design and management of the operations function of organizations. Focus will be on capacity planning, forecasting, quality management, inventory management, and material requirements planning.

CR: Business 3401, the former Business 5400  
PR: Statistics 2500

**3500 Financial Management I** introduces the concepts of financial management in Canadian capital markets. Focus will be on financial analysis and forecasting; working capital management; time value of money; and financing options.

CR: Business 4500, the former Business 4110  
PR: Economics 1010 (or the former 2010), and Statistics 2500

**3600 Enterprise Development** explores and examines the venture creation process. Emphasis is on the critical role of the entrepreneur and the underlying attributes and norms guiding the steps in creating a new business venture. Students will have the opportunity to experience closely the entrepreneurial process, as well as gain the skills and competencies required in developing a viable business plan and negotiating for start-up financing.

CR: Business 3630, the former Business 5030, the former Business 5600, the former Business 7030  
PR: BUSN 1020 or Business 1600, BUSN 2100 or Business 1101, and BUSN 2250 or Business 2210

**4010 Strategic Management** teaches students how to analyze and evaluate an organization's corporate strategies from the perspective of the CEO. This capstone course integrates and synthesizes knowledge acquired in the program and applies skills developed in all functional areas of

business. Students work to identify, diagnose and recommend appropriate action for challenges faced in various types of business organizations. Conceptual frameworks, analytical tools and critical thinking are emphasized.

CO: BUSN 4040  
CR: Business 4050, Business 7000  
PR: BUSN 2110 or Business 2101, BUSN 2250 or Business 2210, BUSN 2300 or Business 3310, BUSN 3010 or Business 5301, BUSN 3030 or Business 4000, BUSN 3300 or Business 4320, and BUSN 4040 or Business 5302

**4040 International Business Management** focuses on issues of globalization and the role of business in the global economy. Topics include the role of multinational corporations in economic development, market entry strategies for small- and medium-sized enterprises, the challenges of managing economic, cultural, and technological changes and differences, the role of international investment and FDI, as well as international business strategies required to compete in today's highly interconnected world. Students will gain the skills to function within the international and global business context.

CR: Business 5302, the former Business 7302  
PR: BUSN 1010 or Business 1000, Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020)

**4070 Change Management and Implementation** examines the current thinking and research regarding the strategic management of change. Change in a variety of organization settings will be introduced and analyzed with respect to identifying barriers to change, using change agents, creating learning environments, implementing, and evaluating. The course will focus on the leadership, implementation and strategies for developing a culture for change.

PR: BUSN 4010, or Business 4050 and Business 7000

## 13.4.2 Business Electives Course Descriptions

**2060 Business Ethics** allows students to gain an understanding of the importance of ethics in everyday decision making in the professional environment. Students will explore their own ethical positions as they examine strategies for making ethical decisions. The course introduces students to ethical theories and frameworks and will help students develop the skills to anticipate, critically analyze, and appropriately respond to many types of ethical issues on both individual and organizational levels.

CR: the former Business 2808

**2320 Workplace Skills** offers students an opportunity to explore knowledge and practice skills that will enable them to professionally navigate many of the challenges in the workplace environment. Class participation forms a significant part of this course, and substantial amounts of classroom time will be devoted to role plays, case studies and group discussion.

PR: completion of at least 30 credit hours

**2500 Personal Finance** introduces the essentials of individual financial management. Students will further develop an understanding and skills in areas such as basic personal income tax, financial security, saving and investing, the use of credit, insurance, investments, and borrowing.

PR: 3 credit hours in Mathematics and completion of at least 30 credit hours

**3060 Negotiation in Organizations** teaches students strategies and skills for negotiating with various stakeholders in a variety of workplace settings. Using current theory and research on negotiation, the course will focus on developing awareness and skills of the various aspects of the negotiation process. The course will include a practical component that will allow students to develop their negotiation skills.

PR: completion of at least 60 credit hours

**3100 Intermediate Accounting I** continues the study of financial accounting by focusing on specific topics such as current assets, long-term investments, capital assets, intangibles, financial assets and revenue recognition.

CR: Business 6100  
PR: BUSN 2100 or Business 1101

**3110 Intermediate Accounting II** continues the study of financial accounting by focusing on specific topics such as long term debt, employee future benefits, shareholders' equity, and financial statement presentation and analysis.

CR: Business 6110  
PR: BUSN 2100 or Business 1101

**3120 Taxation I** is an introduction to the fundamentals and principles of the taxation system in Canada. Emphasis is placed upon the calculation of the tax liability of individuals and corporations.

CR: Business 6120  
PR: BUSN 2100 or Business 1101, and BUSN 3030 or Business 4000

**3150 Intermediate Managerial Accounting** is the study of in-depth managerial accounting concepts. This course will focus on topics such as



budget preparation and analysis, cost management, cost analysis, pricing decisions, and performance management techniques.

PR: BUSN 2110 or Business 2101

**3220 Services Marketing** explores the distinctive nature and characteristics of services, the unique opportunities and challenges associated with the marketing of services, the role of service providers in determining service quality and its connection to customer satisfaction, and the distinctions and connections between tangibles and intangibles. In addition to considering how services marketing requires an alternative application of the traditional marketing mix, students will also examine how service marketing mix strategies vary in the context of for-profit and non-profit organizations.

CR: Business 6230

PR: BUSN 2250 or Business 2210 or the former Business 2201

**3230 Social Media Marketing** examines the relevance and importance of social media tools in a contemporary marketing environment. Students will learn to apply and adapt traditional marketing strategy and tactics in a social media context and will gain practical experience through the development of an integrated social media strategy.

CR: Business 2220, the former Business 6004, the former Business 6042, the former Business 6240

PR: BUSN 2250 or Business 2210 or the former Business 2201

**3240 Understanding Consumer Behaviour** considers the impact of consumer behaviour and the consumer decision making process on corporate and marketing strategy. Students will examine the complexity of concepts that influence the purchase, consumption, and post-purchase behaviours of individuals including culture, reference groups, self-image, perception, personality and lifestyle.

CR: Business 3210, the former Business 5200

PR: BUSN 2250 or Business 2210 or the former Business 2201

**3320 Labour Relations** introduces the structure and function of the Canadian labour relations system. Labour relations management in Canada is highlighted with emphasis on the players in the union environment, the collective bargaining process, the dispute resolution process and the overall administration of the collective agreement.

CR: Business 4330 or the former Business 3320

PR: BUSN 1010 or Business 1000

**3510 Financial Management II** continues the concepts of financial management in Canadian capital markets. Focus will be on asset management, capital budgeting, valuation, dividend policy and extension of long-term financing options.

CR: Business 5500, the former Business 5140, the former Business 7140

PR: BUSN 3500 or Business 4500

**3610 Social Entrepreneurship** examines the research and practice of social entrepreneurship. The course introduces students to the theories and models of social entrepreneurship; students will also learn about the role and contribution of social entrepreneurship to society, define viable social enterprise concepts, and evaluate the characteristics of social entrepreneurs.

PR: BUSN 1020 or Business 1600

**3620 Franchising and Buying a Business** introduces students to the concept of franchising and buying an enterprise. Topics include the nature of franchising in Canada, the characteristics of the franchisee-franchisor agreement, legal considerations, as well as policies and strategies in successful franchising. Students will also learn the important factors involved in buying and selling an enterprise, the valuation models to assess the value of a business, as well as the negotiation dynamics in the buying and selling process.

CR: the former Business 6500

PR: BUSN 1020 or Business 1600

**3800-3850 Special Topics** is a range of special topics courses in Business.

PR: successful completion of at least 60 credit hours is normally required

**4020 Business Ethics and Corporate Social Responsibility** acknowledges the complexities of ethical and socially responsible workplace decision making given the pressures and inter-relationships among business, government, society and the environment. Students will explore topics such as the social-economic business system, business ideologies, business ethics, social responsibilities of business, stakeholder and issues management, and sustainability.

CR: Business 7010

PR: BUSN 3010 or Business 5301

**4030 Canadian Business Law II** expands upon the topics covered in Canadian Business Law I. The substantive areas of law from BUSN 3030 are considered at a more advanced level; additional topics include landlord and tenant, leasing, insurance and guarantees, sale of goods, mortgages and real estate transactions, the regulation of business, and international business transactions. Critical analysis is emphasized in this course.

CR: Business 5000

PR: BUSN 3030 or Business 4000

**4060 Managing Non-Profit Organizations** explores the management of

non-profit organizations in Canada. Students will learn what distinguishes the non-profit sector from traditional descriptions of business and government, with particular emphasis given to organizational structure, funding, and culture. Topics considered may include organizational strategy and governance, managing paid and non-paid human resources, fundraising and financial management, marketing and communications, and accountability.

PR: BUSN 2250 or Business 2210, BUSN 2300 or Business 3310, BUSN 3300 or Business 4320, and BUSN 3500 or Business 4500

**4080 Business in Film** engages students to examine, reflect on and discuss the role of business and its evolution in society. Topics include business and its contribution to socio-economic and community development, the role of stakeholders, the nature of the corporation, the impact of change management and change agents, and trends in functional areas of business. This seminar uses a combination of popular films, as well as documentaries to highlight issues, challenges, and opportunities in business administration from both a practical and an academic point of view.

PR: completion of at least 90 credit hours

**4120 Taxation II** is a continuation in the study of the income tax system in Canada. Focus will be on tax planning for corporations and individuals, sales tax, succession and estate planning, partnerships, trusts, and deferred income plans.

CR: Business 7150

PR: BUSN 3120 or Business 6120

**4130 External Auditing** introduces the theory and concepts of external auditing. Emphasis will be placed upon legal liability, materiality and risk, internal control, and audit evidence and strategy as well as the case studies of the audit of specific business processes.

CR: Business 6130

PR: BUSN 3100 or BUSN 3110 or Business 6100 or Business 6110

**4210 Marketing Research** is designed to help students develop an understanding of the value of marketing research in strategic decision making. Students will become familiar with different methods and tools for collecting, analyzing, and interpreting data in a marketing research context.

CR: Business 5220, the former Business 6200

PR: Statistics 2500, and BUSN 2250 or Business 2210 or the former Business 2201

**4220 Business-to-Business Marketing and Relationships** presents a comprehensive view of the complexities of business-to-business marketing concepts, and the critical role of developing and managing business relationships. Particular attention is paid to organizational buying/purchasing behavior, supplier relationship management, and the analysis of business relationships from both dyadic and network perspectives.

CR: BUSI 5250

PR: BUSN 2250

**4230 International Marketing** examines marketing in a global context with a particular focus on the strategic significance of the international dimension on marketing efforts. Students will explore various marketing challenges around global marketing opportunities such as exporting and direct entry strategies, contending in unfamiliar competitive environments, navigating complex social and cultural and political and legal environments, and adapting the marketing mix and activities to suit specific foreign market needs.

CR: Business 7240, the former Business 6001

PR: BUSN 2250 or Business 2210 or the former Business 2201

**4310 Recruitment and Selection** explores the role of recruitment and selection in the larger context of human resource management. Students will acquire the knowledge and skills needed to successfully design and implement strategic recruitment and selection initiatives in a variety of organizations. Topics may include the analysis of job requirements, legal considerations, selection criteria and methods, testing methods, interviewing techniques, and process evaluation.

CR: Business 6312

PR: BUSN 3300 or Business 4320

**4510 Investments** is a study of capital markets and the financial services industry. Emphasis will be placed upon investment securities, risks, markets and mechanics, and portfolio management for personal and institutional investments.

CR: Business 6510, the former Business 6140

PR: BUSN 3500 or Business 4500

**4610 Family Business Management** focuses on introducing students to the theory and practice of family business issues, such as understanding the difference between family business and other types of businesses and examining the role of family and non-family members involved in the business. Other topics include understanding the succession planning process, learning to resolve and manage conflicts, and exploring the challenges of multigenerational businesses.

CR: the former Business 6500

PR: BUSN 1020 or Business 1600

**4660 Workplace Innovation** discusses how organizations can use

innovation to create a sustainable and competitive business. The course explores how organizational creativity is developed and examines both the drivers and barriers to managing employees through this process. Emphasis will be placed on the role of leadership in developing and maintaining innovation and its use in stimulating organizational growth. The course will focus on product, process and service innovation and consider innovation in all aspects of the core business functions.

PR: completion of at least 90 credit hours

**4800-4850 Special Topics** is a range of special topics courses in Business.  
PR: successful completion of at least 90 credit hours is normally required

**5010 Experiential Learning: Event Planning** allows students to gain important event management, organizational and communication skills through the planning of one or more events on campus and throughout the greater community.

PR: restricted to Grenfell Campus Bachelor of Business Administration students who have completed at least 90 credit hours

**5020 Experiential Learning: Field Study** allows students to gain hands-on experience through one or more field studies. Students may work with organizations such as communities, associations or businesses in various settings across Newfoundland and Labrador. Field study opportunities may include, for example, working from the Bonne Bay Marine Station.

PR: restricted to Grenfell Campus Bachelor of Business Administration students who have completed at least 90 credit hours

**5030 Experiential Learning: Internship** places students in a business setting and provides the student with opportunities to use their business skills in a real business environment.

PR: restricted to Grenfell Campus Bachelor of Business Administration students who have completed at least 90 credit hours

**5040 Experiential Learning: Small Business Consulting** allows students to gain hands-on experience by working with small businesses. Student groups will be involved in such projects as business plan writing, market research, market strategies, strategic analysis or other business-related functions.

PR: restricted to Grenfell Campus Bachelor of Business Administration students who have completed at least 90 credit hours

**5050 Experiential Learning: Student Leadership** allows students to gain leadership and project management skills to empower fellow students and the community at large by assuming senior roles in student driven programs such as Enactus Grenfell.

PR: restricted to Grenfell Campus Bachelor of Business Administration students who have completed at least 90 credit hours

## 13.5 Chemistry

Attendance for all Chemistry Laboratory sessions is mandatory. Failure to attend may result in a failing grade or deregistration from the course.

Students are strongly advised to complete the Chemistry sequence appropriate to their stream (Chemistry 1200/1001 or 1010/the former 1011, or the former 1011/the former 1031 or 1050/1051) on the campus they first attend prior to transfer to another campus. Consult the credit restrictions listed under the St. John's Campus Department of Chemistry section of the University Calendar.

Chemistry courses are designated by CHEM.

**1001 General Chemistry II** is rates of reaction, chemical equilibria, thermodynamics, and introduction to organic chemistry.

AR: attendance is required

CR: credit may be obtained for only one of the following pairs of courses:  
the former CHEM 1000 and CHEM 1001; CHEM 1200 and CHEM 1001

LC: 4 including tutorials

LH: 3

PR: CHEM 1200 or equivalent; Science 1807 and Science 1808

**1200 General Chemistry I** is atomic structure and bonding, stoichiometry, reactions in aqueous solutions, gases, energetics of chemical reactions, the periodic table, chemical bonding and molecular geometry, intermolecular forces. This introductory course is intended for students who have a knowledge of high school chemistry. This course is offered at Grenfell Campus only.

AR: attendance is required

CO: credit may be obtained for only one of the following pairs of courses:  
the former CHEM 1000 and CHEM 1001; CHEM 1200 and CHEM 1001

LC: 4

LH: 3

PR: Science 1807 and Science 1808

**1810 Elements of Chemistry** is matter, scientific measurement, atomic

theory, the periodic table, chemical compounds and elementary bonding theory, the mole, chemical reactions, the chemistry of selected elements, gases, solutions, stoichiometry. This course is specifically intended for those who have no background in chemistry. This course is offered at Grenfell Campus only.

AR: attendance is required

CR: the former CHEM 1800

LC: 4

LH: 3

PR: Science 1807 and Science 1808

UL: may not be used as one of the Chemistry courses required for a B.Sc.

Degree with a Specialization in Environmental Science at Grenfell Campus, nor for a Major or Honours in Chemistry, nor towards fulfilment of the 78 credit hours in science courses required for the B.Sc. degree on the St. John's campus.

**1900 Chemistry in Everyday Life** is a course that shows the relevance of chemistry in our daily lives. Following an introduction to atomic structure and chemical bonding, the course will focus on some of the following topics: organic chemistry and fuels; redox processes and batteries; acids, bases, and household cleaners; phases and detergents; the chemical components of foods; polymers and plastics; toiletries, and pharmaceuticals.

UL: may not be used as one of the required courses towards a Minor, Major, or Honours in any science degree program

**2210 Introductory Inorganic Chemistry** focuses on fundamental concepts in the chemistry of s, p, and d block elements and their compounds. Emphasis will be placed on periodic trends in physical and chemical properties, molecular symmetry, molecular orbital diagrams, simple crystal structures, Lewis acid/base theory, and introductory coordination chemistry.

AR: attendance is required in the laboratory component of this course.

Failure to attend may result in a failing grade or deregistration from the course.

LH: 3

PR: Science 1807 and Science 1808; minimum 65% in CHEM 1001 or a minimum 60% in CHEM 1051

**2301 Thermodynamics and Kinetics** builds upon knowledge of physical chemistry from first year. It covers the three laws of thermodynamics for ideal and real systems as well as chemical kinetics. Topics in thermodynamics include the thermodynamics of ideal and real gases, phases, and solutions, the Maxwell relations, equilibria between phases, and in electrolyte solutions. The integrated rate laws for simple and complex mechanisms, and the temperature dependence of reaction rates in terms of kinetic molecular theory are some of the topics discussed in the kinetics section of the course.

AR: attendance is required in the laboratory component of this course.

Failure to attend may result in a failing grade or deregistration from the course.

CR: the former CHEM 2300

LH: 3

PR: Science 1807 and Science 1808; minimum 60% in CHEM 1051, or a minimum 65% in either CHEM 1001 or the former CHEM 1031; Mathematics 1001. Physics 1051 or Physics 121 is recommended.

**2302 Quantum Chemistry and Spectroscopy** examines the quantum mechanics of simple systems such as the particle in a box, the harmonic oscillator, linear rotor, and hydrogen-like atoms. Topics also include orbital quantum numbers, spin, many electron atoms, an introduction to quantum mechanical methods, the electronic structures of molecules, bonding, and symmetry. Furthermore, electronic, rotational, and vibrational spectroscopy will be discussed as well as modern applications of spectroscopy and lasers.

AR: attendance is required in the laboratory component of this course.

Failure to attend may result in a failing grade or deregistration from the course.

CO: Mathematics 2000 is recommended

CR: the former CHEM 3301

LH: 3

PR: Science 1807 and Science 1808; minimum 60% in CHEM 1051, or a minimum 65% in either CHEM 1001 or the former CHEM 1031;

Mathematics 1001 and Physics 1051 or Physics 1021

**2400 Introductory Organic Chemistry I** is a course on bonding involving carbon; conformations and stereochemistry; introduction to functional groups and nomenclature; properties, syntheses and reactions of hydrocarbons, alkyl halides, alcohols and ethers.

AR: attendance is required in the laboratory component of this course.

Failure to attend may result in a failing grade or deregistration from the course.

CR: CHEM 2440

LH: 3

PR: a minimum 60% in CHEM 1051, or CHEM 1010 and the former CHEM 1011 with a grade of at least 80% in each; or the former CHEM 1011 with a grade of at least 85%; or CHEM 1001 (or the former 1031) with a grade of at least 65%; Science 1807 and Science 1808

**2401 Introductory Organic Chemistry II** is an introduction to the interpretation of mass, infrared,  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra; properties, syntheses and reactions of simple aromatic and heteroaromatic compounds,

ketones, aldehydes, amines, carboxylic acids and their derivatives; aldol and related reactions.

AR: attendance is required in the laboratory component of this course.  
Failure to attend may result in a failing grade or deregistration from the course.

CR: CHEM 2440

LH: 3

PR: CHEM 2400; Science 1807 and Science 1808

**2440 Organic Chemistry for Biologists** is an introduction to the principles of organic chemistry with an emphasis on material relevant to biological molecules. The laboratory will introduce techniques and illustrate concepts covered in the course. This course is designed primarily for Biology Majors.

AR: attendance is required in the laboratory component of this course.  
Failure to attend may result in a failing grade or deregistration from the course.

CR: CHEM 2400

LH: 3

PR: Science 1807 and Science 1808; CHEM 1001 or CHEM 1051 or a minimum 60% in the former CHEM 1011

UL: may not be used for credit by Chemistry or Biochemistry Majors and will not serve as a prerequisite for any other Chemistry course.

**3261 Atmospheric Chemistry** (same as Environmental Science 3261) provides a comprehensive study of the chemistry of the Earth's atmosphere. Beginning with an overview of planetary atmospheres, we follow the evolution of the Earth's atmosphere until today. Atmospheric chemical processes are interpreted from the perspectives of chemical kinetics, chemical thermodynamics, molecular orbital theory, and molecular spectroscopy. The mechanisms of stratospheric reactions are studied in the context of the ozone layer, while those of the troposphere are linked to the so-called 'greenhouse effect' and aspects of pollution. The very different upper-atmosphere chemistry is also studied.

CR: Environmental Science 3261

PR: CHEM 2210, CHEM 2301 or permission of the instructor and Program Chair

## 13.6 Classics

In accordance with Senate's *Policy Regarding Inactive Courses*, the course descriptions for courses which have not been offered in the previous three academic years and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the appropriate Dean of the School.

Classics courses are designated by CLAS.

**1100 Life in Ancient Greece** is a general illustrated survey of the origins and evolution of Ancient Greek Civilization. The course introduces the student to Greek social and political institutions, religion and myth, and achievements in art, philosophy, science and literature, as well as the influence of Ancient Greece on the modern world.

CR: the former CLAS 1000, the former CLAS 2000

**1120 and 1121 Elementary Latin** is an introduction to the grammar and syntax of Latin, with particular attention paid to the acquisition of basic skills in reading, composition, and aural comprehension.

CR: the former CLAS 120A and 120B

PR: CLAS 1120 is the prerequisite for CLAS 1121

**1130 and 1131 Elementary Ancient Greek** is an introduction to the grammar and syntax of ancient Greek, with particular attention paid to the acquisition of basic skills in reading, composition, and aural comprehension.

CR: the former CLAS 130A and 130B

PR: CLAS 1130 is the prerequisite for CLAS 1131

**1200 Life in Ancient Rome** is a general illustrated survey of the origins and evolution of Ancient Rome. The course introduces the student to social, political, and legal institutions, the growth of the Roman Empire, Roman art, literature, and religions, as well as Rome's pervasive influence in the modern world.

CR: the former CLAS 1000, the former CLAS 1101, the former CLAS 2001

**2010 Greek Art and Architecture** is an introduction, through illustrated lectures, to the study of the art and architecture of Ancient Greece.

CR: the former CLAS 3100, the former CLAS 3101

**2015 Roman Art and Architecture** is an introduction, through illustrated lectures, to the study of the art and architecture of Ancient Rome.

CR: the former CLAS 3100, the former CLAS 3102.

**2020 History of the Hellenistic World** (same as History 2034) is a survey of the history of the Mediterranean world and the Near East from the death of Alexander the Great in 323 BC until the incorporation of the Kingdom of Egypt in the Roman Empire in 30 BC. Particular attention is given to the influence of the new monarchies on political, social and cultural developments in both Greek and non-Greek communities.

CR: History 2034

**2035 History of Classical Greece** (same as History 2035) is a survey of Greek History from the Bronze Age to the death of Alexander the Great, with special reference to the social and political institutions of the fifth century, B.C.

CR: History 2035, the former CLAS 3910, the former History 3910, the former CLAS 2030, the former History 2030

**2040 History of Rome** (same as History 2040) is a survey of Roman History from the early monarchy to the reign of Constantine with special reference to society and politics in the late Republic and early Empire.

CR: CLAS 2041, CLAS 2042, History 2040, the former CLAS 3920, the former History 3920

**2055 Women in Greece and Rome** is an examination of the role of women in ancient Greece and Rome from the perspectives of religion, literature, art, society, and politics. Critical assessments of the scholarship and methodologies (including feminist methodologies) relevant to this topic will be included.

**2701 History of Ancient Philosophy** (same as Philosophy 2201, the former 2701) is a survey of the origin and development of Western philosophy among the Greeks and Romans.

CR: Philosophy 2201, the former 2701

**2800 Classical Drama I** - inactive course.

**2801 Classical Drama II** - inactive course.

**3010 Greek Religion** (same as Religious Studies 3010) is a study of the role of religion in the private and public life of the Greek world.

CR: Religious Studies 3010, the former CLAS 3121, the former Religious Studies 3121

**3020 Roman Religion** (same as Religious Studies 3020) is study of the role of religion in the private and public life of the Roman world.

CR: the former CLAS 3121, the former Religious Studies 3121, Religious Studies 3020

**3090 Alexander and the Macedonians** (same as History 3090) investigates the impact of the conquests of Alexander the Great and his Macedonian Successors on the political, social, cultural, intellectual, and religious world of the Mediterranean and Near East between Alexander's accession in 336 and the battle of Ipsus in 301, when his vast empire was carved into Hellenistic kingdoms.

CR: History 3090

**3110 Greek Literature in Translation** - inactive course.

**3111 Latin Literature in Translation** - inactive course.

**3130 Greek and Roman Mythology** (same as Folklore 3130) is a comparative study of the major myths of Greece and Rome as embodied in the literary and artistic remains of the ancient world with reference to their origins and their influence on later art and literature.

CR: Folklore 3130

**3405 Tragic Drama in Greece and Rome** is a detailed examination of the tragic dramas of ancient Greece and Rome. A selection of plays by Aeschylus, Sophocles, Euripides and Seneca will be read in English translation. Topics to be discussed include the development of ancient tragedy, its literary, performative and thematic traditions, its representation of social and historical conditions, and its influence on later tragic drama.

CR: the former Classics 2805

**3415 Epic Poetry in Greece and Rome** offers a detailed and in-depth study of the epic poetry or ancient Greece and Rome. The course will examine the poems of Homer, Apollonius of Rhodes and Virgil in English translation. Instructors may include additional poems. Topics to be discussed include the development of epic poetry, its literary traditions and its role in Greek and Roman society.

CR: the former CLAS 2060

**3700 The Ancient World in Film** examines the representation of the history and cultures of the ancient world in film. A selection of films will be studied and extensive reference will be made to the ancient evidence which informs them. The ancient world's impact on modern Western society will be considered together with the film industry's recasting of the ancient world in response to modern social and historical developments.

**4000 Seminar in Greek History and Society** will have the topics to be studied announced.

**4010 Seminar in Roman History and Society** will have the topics to be studied announced.

**4020 Seminar in Greek Literature and Culture** will have the topics to be studied announced.

**4030 Seminar in Roman Literature and Culture** will have the topics to be studied announced.

## 13.7 Computer Science

Computer Science courses are designated by COMP.

**1600 Basic Computing and Information Technology** offers an overview of computers and information technology. It provides students with the knowledge necessary to answer questions, such as: What is a computer system? How does it work? How is it used? This is done through the use of popular spreadsheet, word processing and database software packages and the Internet. Social issues and implications will also be included.

CR: the former Business 2700, the former COMP 2650, the COMP 2801

LH: 3

PR: Level III Advanced Mathematics or Mathematics 1090 or 109B, which can be taken concurrently

## 13.8 Earth Sciences

Earth Sciences courses are designated by EASC.

**1000 Earth Systems** is a survey of the structure, function and interrelations of Earth's lithosphere, hydrosphere, atmosphere and biosphere. Topics include an exploration of the physical and chemical properties of planetary materials, forces driving and sustaining Earth systems, and biological modifiers (including humankind) on the Earth today.

LH: 3

PR: Science 1807 and Science 1808

**1001 Evolution of Earth Systems** - inactive course.

**1002 Concepts and Methods in Earth Sciences** is an introduction to a broad range of concepts concerning the development of the geological record and the Earth; practical methods for collection of field based data; topics in map interpretation and geometric analysis, stratigraphy, paleontology, structure, petrology, and geophysics. The course is presented with an emphasis on the development of practical skills needed to pursue a career in Earth Sciences.

LH: 3

PR: EASC 1000; Science 1807 and Science 1808

**2150 The Solar System** describes the basic astronomy of the Solar System, tracing the search to understand motion of the Sun, Moon and planets in the sky: modern observations of planets, moons, comets, asteroids and meteorites and what they tell us about the origin and evolution of the Solar System. This course is designed for students taking Earth Sciences as an elective.

UL: not acceptable as one of the required courses for the Minor, Major or Honours programs in Earth Sciences

**3811 Paleontology** is an outline of the major changes in life forms from Archaean times through the Phanerozoic to the present day, including details of invertebrate and vertebrate faunas and major floral groups; mechanisms and effects of mega-, and microevolution in the fossil record; Biology and classification of organisms and summaries of their geological significance in biostratigraphy, paleoecology and rock-building; relationships between major cycles of evolution and extinction to global processes. This course has a laboratory component.

CR: Biology 3811, the former EASC 3801, the former Biology 3800

LH: 3

PR: either Biology 2120 (or Biology 1001 and Biology 1002) and EASC 1002; or Biology 2122 and Biology 2210; Science 1807 and Science 1808

## 13.9 Economics

Economics courses are designated by ECON.

**1010 Introduction to Microeconomics I** (same as the former ECON 2010) examines scarcity and opportunity cost. Demand and supply. Elasticity. Household demand: marginal utility. Household demand: indifference curves. Production functions. Short-run and long-run cost functions. Perfect competition in the short run and the long run. Monopoly.

CR: the former ECON 2010

**1020 Introduction to Macroeconomics** (same as the former ECON 2020) covers national income accounting, aggregate income analysis, money, banking and foreign trade.

CR: the former ECON 2020

**2550 Economic Statistics and Data Analysis** is an analysis of economic statistics and the use of economic data. A course designed to introduce students to the task of economic data collection, description and analysis. Emphasis will be on interpretation and analysis of data using computer software programs.

PR: ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020), and Statistics 2500 or equivalent.

**3000 Intermediate Micro Theory I** is the basic microeconomic theory course; consumer demand, indifference curve analysis, theory of production and cost, factor substitution, and the theory of the firm under perfect

competition and monopoly.

PR: ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020)

**3001 Intermediate Micro Theory II** is a continuation of basic microeconomic theory; the theory of imperfect competition, theory of factor pricing under various market structures, general equilibrium and welfare economics.

PR: ECON 3000

**3010 Intermediate Macro Theory I** is aggregate analysis including consumer, investment, government and international sectors, the role of money, determinants of aggregate supply, and the effects of autonomous behavioural changes and fiscal and monetary policies on unemployment, price levels and the balance of payments.

PR: ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020)

**3011 Intermediate Macro Theory II** is a consideration of modern theories of macroeconomics, dynamics, empirical evidence and simulation of the national economy. Emphasis on the availability and effectiveness of government policy instruments.

PR: ECON 3010

**3030 International Economics: Issues and Problems in a Canadian Context** is an intermediate course in international economics. The course covers the theory of comparative advantage, the structure and policy issues of the Canadian balance of payments, the foreign exchange market and the institutional aspects of international commerce.

PR: ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020)

**3050 Economic Forecasting: Methods and Applications** - inactive course.

**3080 Natural Resource and Environmental Economics** is application of economic analysis to renewable and nonrenewable natural resource industries such as the fishery, forestry, and mining. Emphasis is given to the criteria for optimal resource use under various market structures and their implications for public policy. Issues of environmental resource management and pollution control will also be covered.

PR: ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020)

**3085 Issues in Ecological Economics** (same as the former Environmental Studies 3085) aims to explore the dynamic interaction between the economic system and the ecological system that sustains it by using trans-disciplinary theoretical approaches and methodologies. The main focus of this course will be on Ecological Economics concepts such as low and high entropy, biotic and abiotic goods and services, stock-flow resources, carrying capacity, throughput, co-evolution, sustainable scale, use value, and their applications in a problem-solving context.

CR: same as the former Environmental Studies 3085

PR: ECON 1010 (or the former 2010)

**3150 Money and Banking** examines the operation of the money and banking system, with special emphasis on Canadian problems. Monetary theory will be treated in relation to income theory and foreign trade.

PR: ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020)

**3160 Financial Economics** provides an analysis of the major building blocks of the modern theory of financial economics and their implications for decision-making. To reflect that modern finance is a branch of economics, emphasis will be on how general economic principles and analytical techniques can be applied across all finance sub-fields. Topics include the basic pillars in finance—intertemporal optimization, asset valuation, risk management—and selected issues that will vary each year.

CR: Business 4500 (St. John's), the former Business 4500 (Grenfell)

PR: Mathematics 1000 or its equivalent, ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020). Students are recommended to take ECON 2550 or its equivalent prior to taking this course.

**3550 Mathematical Economics I** examines linear algebra and differential calculus, with applications to economics.

PR: Mathematics 1000 or equivalent with a "B" standing, or Mathematics 2050 and ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020)

**3551 Mathematical Economics II** covers integral calculus, difference and differential equations, with applications to Economics.

PR: ECON 1010 (or the former 2010) and/or ECON 1020 (or the former 2020), ECON 3550

**4550 Econometrics I** covers estimation of the general linear regression model with emphasis on fundamental theory and examples from published empirical research.

PR: ECON 2550, 3000 and 3010.

**4551 Econometrics II** covers further problems in econometric theory and

technique; multicollinearity, autocorrelation, nonlinear estimation, and the identification and estimation of systems of equations. Published empirical research will be discussed and each student will be expected to perform an original empirical study.

PR: ECON 4550

## 13.10 English Language and Literature

### 13.10.1 English Core Courses

**1000 Critical Reading and Writing in Prose Forms** is an introduction to the essay, short fiction and the novel. Emphasis is placed on critical reading and thinking strategies; composition of essays, including use of quotations and documentation, revision and editing; and literary analysis. All sections of this course follow the CRW guidelines available at [www.mun.ca/hss/CRW](http://www.mun.ca/hss/CRW).

CR: cannot receive credit for more than one of English 1000, 1050, 1090 or the former 1080, the former 1100 or for more than one of 1001, 1051, 1191 or the former 1101, 1192 or the former 1102, 1193 or the former 1103, and 1110; cannot receive credit for more than one of English 1020, the former 1030 or 1110; cannot receive credit for more than 6 credit hours at the first year level including unspecified transfer credits

**1001 Critical Reading and Writing in Poetry and Drama** builds upon the essay writing and critical analytical strategies begun in English 1000. Emphasis is placed on developing composition skills in essay writing, conducting research, and examining the genres of poetry and drama. All sections of this course follow the CRW guidelines available at [www.mun.ca/hss/CRW](http://www.mun.ca/hss/CRW).

CR: cannot receive credit for more than one of English 1000, 1050, 1090 or the former 1080, the former 1100 or for more than one of 1001, 1051, 1191 or the former 1101, 1192 or the former 1102, 1193 or the former 1103, or 1110; cannot receive credit for more than 6 credit hours at the first year level including unspecified transfer credits

PR: English 1000 or equivalent

**1110 Critical Reading and Writing II (Context, Substance, Style)** is an examination of prose texts such as essays, articles and reviews. Students write for different purposes and audiences. Emphasis is placed on critical reading and writing: analysing texts, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing.

CR: cannot receive credit for more than one of English 1000, 1050, 1090 or the former 1080, the former 1100 or for more than one of 1001, 1051, 1191 or the former 1101, 1192 or the former 1102, 1193 or the former 1103, or 1110; cannot receive credit for more than 6 credit hours at the first year level including unspecified transfer credits

PR: English 1000, the former English 1080

**2005 Literary Survey I (The beginnings to 1660)** introduces students to the major writers by detailed study of selected texts. The course will include such authors as Chaucer, Mallory, Shakespeare, Spenser, Bacon, Webster, Donne and works such as Beowulf, the Old English Elegies and Gawaine and the Green Knight. Recommended for English specialization students that English 2005 be taken first in the English 2005-2006-2007 sequence.

CR: English 2000, the former English 2110

PR: English 1000 and one of English 1001, 1110

**2006 Literary Survey II (1660-1837)** introduces students to the major writers by detailed study of selected texts. The course will include such authors as Dryden, Pope, Swift, Johnson, Fielding, Blake, Wordsworth, Austen, Byron, Keats and Shelley. Recommended for English specialization students that English 2006 be taken second in the 2005-2006-2007 sequence.

PR: English 1000 and one of English 1001, 1110

**2007 Literary Survey III (1837 to the present)** introduces students to the major writers by detailed study of selected texts. The course will include such authors as Tennyson, Browning, Arnold, Hardy, George Eliot, Dickens, Yeats, T.S. Eliot and Dylan Thomas. Recommended for English specialization students that English 2007 be taken third in the English 2005-2006-2007 sequence.

CR: English 2001, the former English 2111

PR: English 1000 and one of English 1001, 1110

**3205 Shakespeare Survey** is a study of at least eight plays, two from each dramatic mode: comedy, history, tragedy, and romance.

CR: credit may be obtained for only two of English 3200, English 3201, English 3205, and English 3206

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3206 Shakespeare and the Classical Tradition** is a study of the relationship between Shakespeare and his major classical sources, with a particular focus on the use of classical literature in the Renaissance.

CR: credit may be obtained for only two of English 3200, English 3201, English 3205, and English 3206

PR: successful completion of at least 6 credit hours in English courses at

the second-year level

**3395 The Literary Uses of English from the Earliest Times to the Present** is an exploration of the development of the English language, as evidenced by its literary uses.

CR: the former English 2401

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**4105 Critical Approaches and Theory** is a survey of critical approaches to English Literature, particularly those adopted by twentieth century readers. The course will attempt to give an account of the theories on which these approaches are based and some attention will be paid to the application of different approaches to specific works of literature.

CR: English 4101

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4950 Individual Project in English** is an individual project of a creative, or a critical, or a research character on a topic which is subject to the approval of the Program Chair. The topic will be prepared under the supervision of a designated faculty member or members.

CR: English 4990

PR: successful completion of at least 6 credit hours in English courses at the third-year level

### 13.10.2 Dramatic Literature

**2350 Introduction to Drama I** is a survey of the major plays in the history of western drama from the Greeks to the end of the eighteenth century.

CR: English 2002

PR: English 1000 and one of English 1001, 1110

**2351 Introduction to Drama II** is a survey of the major plays in the history of western drama from the 19th Century to the present.

CR: English 2002

PR: English 1000 and one of English 1001, 1110

**3021 English Drama to 1580** is a study of the development of English drama from the Middle Ages to 1580. The course may also consider the popular arts, such as folk plays and mumming.

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3171 Irish Drama** is a study of representative Anglo-Irish drama by such authors as Wilde, Shaw, Yeats, Synge, Lady Gregory, O'Casey, Behan, Friel and Molloy.

CR: the former English 3170, the former English 3180

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3181 Drama of the Restoration and Eighteenth Century** is a study of major dramatic texts from 1660 to the end of the eighteenth century.

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3275 Modern Drama (1830-1930)** is a study of western drama and performance during the period 1830-1930, with a focus on theatrical and dramatic texts and movements, as well as artistic, social, political, technological, and philosophical influences.

CR: the former English 3300, the former English 4300

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**4302 Contemporary British Drama** is a study of representative dramatic works of contemporary British drama.

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4305 Contemporary Drama** is a study of modern and post-modern western drama and performance from 1930 to the present, with a focus on theatrical and dramatic texts and movements, as well as artistic, social, political, technological and philosophical influences. Recommended previous course: English 3275.

CR: English 4301, the former English 3301

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4307 Contemporary Canadian Drama** is a study of contemporary drama and performance in Canada, focussing on texts representative of Canada's cultural and regional diversity.

CR: English 3156

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4308 20th Century American Drama** is a study of American drama and performance from the turn of the century to the present, focussing on the theatre's historic role in the definition, reinforcement and scrutinizing of American mythology.

CR: English 3260

**4317 Elizabethan-Jacobean Drama** is a survey of Shakespeare's dramatic rivals and the Elizabethan and Jacobean repertoires.

CR: English 3022

PR: English 3200 or English 3201 and successful completion of at least 6 credit hours in English courses at the third-year level

**4836-4844 Special Topics in Drama** is supervised study in specialized areas of dramatic literature. Course topic, design, and requirements to be determined through consultation by the student with the instructor.

PR: permission of the instructor and successful completion of at least 6 credit hours in English courses at the third-year level

### 13.10.3 Canadian Literature

**2145 Pride Literature in Canada** considers literature that has been shaped by alternative sexualities, gender identities, and trans experiences (LGBTQI voices).

PR: English 1000 and one of English 1001, 1110

**2146 Canadian Prose after 1949** is a study of the outstanding works of Canadian prose from 1949 to the present.

CR: English 2150, English 2151, the former English 3146

PR: English 1000 and one of English 1001, 1110

**2155 Newfoundland Literature** is a study of Newfoundland literature with emphasis on representative writers since 1949.

CR: English 3155

PR: English 1000 and one of English 1001, 1110

**2156 Canadian Short Stories** is a study of Canadian short stories which aims to give the student a heightened appreciation of individual short stories, and some sense of the range of Canadian accomplishment in the genre.

PR: English 1000 and one of English 1001, 1110

**3145 Canadian Fiction to 1949** is a study of outstanding works of Canadian fiction from the beginnings to 1949.

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3147 Canadian Poetry to 1949** is a study of representative Canadian poetry from the pre-confederation period to 1949.

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3148 Canadian Poetry After 1949** is a study of Canadian poetry from 1949 to the present, with emphasis on the work of major poets and an examination of the various styles and theories of poetry developed during the period.

CR: English 4850

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3149 Canadian Prose** is a study of selected works of Canadian prose, covering both fiction and non-fiction.

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**4307 Contemporary Canadian Drama** course description can be found in the dramatic literature list above.

CR: English 3156

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4825-4835 Special Topics in Canadian Literature** is a variety of topics to be offered as resources permit.

PR: successful completion of at least 6 credit hours in English courses at the third-year level

### 13.10.4 Modern Literature

**2215 American Literature to 1900** is a study of the historical origins and development of nineteenth century American Literature, concentrating on a selection of works within their political, social and artistic contexts.

CR: the former English 2214, 2216

PR: English 1000 and one of English 1001, 1110

**2242 Science Fiction** is a survey of Science Fiction from its earliest days to the present. Subjects that will be considered include the evolution of the genre, the relations among humans, technology and multinational capitalism, and the significance of memory and space.

CR: English 2811

PR: English 1000 and one of English 1001, 1110

**2243 Introduction to Humour in Literature** begins with a survey of humour theories from antiquity to the present, and proceeds to a study of various forms and strategies of humour through a selection of works in English. Students will study texts exploring the roles that humour plays in relation to topics such as transgression, iconoclasm, class, sexuality, gender, ethnicity, culture, politics and religion.

CR: the former English 2121

PR: English 1000 and one of English 1001, 1110

**2244 The Graphic Novel - Historical, Cultural and Literary Contexts** (same as Social/Cultural Studies 2244) examines the historical, cultural and literary impact of the Graphic Novel; investigates its continuing development; and introduces students to significant works within the genre.

CR: English 3842, Social/Cultural Studies 2244

PR: English 1000 and one of English 1001, 1110; one of Folklore 1000, Anthropology 1031, or Sociology 1000

**2245 Supernatural Fiction** examines the evolution of the fiction of the supernatural as a distinct literary genre, focusing on writers who made significant contributions to the field.

PR: English 1000 and one of English 1001, 1110

**2705 Modern World Literature in Translation** is a study of modern world literature in English translation, with focus on writers of the twentieth century who have attained international stature.

PR: English 1000 and one of English 1001, 1110

**2805 Women's Writing to 1900** is a study of writing by women in the British Isles and North America from the Middle Ages to 1900, including such items as letters and journals as well as fiction, poetry, and drama.

CR: English 3810, English 3830. This credit restriction replaces the note in earlier calendars and is retroactive to September 1, 1993.

PR: English 1000 and one of English 1001, 1110

**2870 Children's Literature** is an introduction to literature written for children and young people. Beginning with an examination of the history of children's literature in the British Isles and North America, the course will focus on twentieth century and contemporary works, touching on a broad range of genres, audiences, and reading levels.

PR: English 1000 and one of English 1001, 1110

**2905 Introduction to Creative Writing** will introduce students to three main areas of creative writing: poetry, prose fiction, and creative non-fiction (travel writing, autobiography, journalism). Much of the emphasis will be on writing as a medium of communication. For this reason, some of the instruction will be the workshop system in which students act as each other's readers and audience.

PR: English 1000 and one of English 1001, 1110

**3192 Modern Scottish Literature** focusses on representative Scottish texts from the twentieth and twenty-first centuries studied within Scotland's distinctive historical and cultural contexts.

CR: ENGL 3190

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3215 20th Century American Literature** is study of American poetry and fiction from 1900 to 1960.

CR: ENGL 2217, ENGL 2218, the former English 4260, the former English 4261, the former English 4270

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3216 20th Century British and Irish Literature** is a study of British and Anglo-Irish poetry and fiction from 1900 to 1960.

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3245 The American Satirical Novel** focuses on novels from the twentieth century to the present which examine from a satirical standpoint the vices, follies and shortcomings of American society, presenting critiques of issues such as race, gender, sexuality, education, employment, politics, religion, warfare, consumerism, technology, media, and celebrity.

CR: English 3001

PR: successful completion of at least 6 credit hours in English courses at the second-year level. It is strongly recommended that students take ENGL 2243 prior to taking ENGL 3245

**3810 20th Century Non-Fiction Writing by Women** is a study of twentieth century topical writing by women, including writing about social, political, and artistic and literary questions. Non-traditional as well as traditional genres will be studied.

CR: English 2805, English 3830. This credit restriction replaces the note in earlier calendars and is retroactive to September 1, 1993.

PR: English 2805 or permission of the instructor and successful completion of at least 6 credit hours in English courses at the second-year level

**3905 Creative Writing** is a workshop course for aspiring writers of poetry and/or fiction. Limited enrolment. Applicants will be required to submit a sampling of their previous and current work.

CR: English 3900, English 3901

PR: permission of the instructor and successful completion of at least 6 credit hours in English courses at the second-year level

**4245 Contemporary Fiction in English** is an in-depth study of a selection of recent short fiction and novels in English. The focus will be on recent

developments in American, British, Irish and Commonwealth fiction (excluding Canadian).

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4246 Contemporary Poetry in English** is an in-depth study of contemporary poetry in English. The focus will be on major poets and developments in the U.S.A., Britain, Ireland and the Commonwealth (excluding Canada) since 1945.

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4861-4870 Special Topics in Modern Literature** is a variety of topics to be offered as resources permit.

PR: successful completion of at least 6 credit hours in English courses at the third-year level

**4905 Advanced Creative Writing** is a workshop course for creative writers who have demonstrated considerable talent and skill in poetry and/or prose fiction. Limited enrolment.

PR: permission of the instructor and successful completion of at least 6 credit hours in English courses at the third-year level

### 13.10.5 English Courses for Non-Major Students

**2010 Comprehension Writing and Prose Style (I)** will chiefly emphasize the development of (a) the capacity to understand and appreciate the varieties of prose through close analysis of a wide range of examples, and (b) the ability to write expository and other kinds of prose.

CR: English 1110

PR: English 1000 and one of English 1001, 1110

**3110 Greek Literature in Translation** (same as Classics 3110) is representative readings in English of the principal literary forms of Classical Greece. The literary achievement of the Greeks and their contributions to Western letters and culture.

CR: Classics 3110

PR: successful completion of at least 6 credit hours in English courses at the second-year level

**3111 Latin Literature in Translation** (same as Classics 3111) is representative readings in English of the principal literary forms of Republican and Imperial Rome. The literary achievement of the Romans and their contribution to Western letters and culture.

CR: Classics 3111

PR: successful completion of at least 6 credit hours in English courses at the second-year level

### 13.11 English as a Second Language

**011F Core Intensive English Program** covers reading through a variety of types of texts, vocabulary development, writing development, and academic listening and note-taking skills.

AR: attendance is required

CH: 0

**013F Core Intensive English Program** covers reading, writing, speaking, listening, grammar and vocabulary development at an intermediate level through a variety of texts.

AR: attendance is required

CH: 0

**014F Core Intensive English Bridge Program I** covers reading, writing, speaking, listening, grammar and vocabulary development at a high-intermediate level through a variety of academic texts.

AR: attendance is required

CH: 0

**015F Core Intensive English Bridge Program II** covers reading, writing, speaking, listening, grammar and vocabulary development at an advanced level through a variety of academic texts.

AR: attendance is required

CH: 0

### 13.12 Environment and Sustainability

Environment and Sustainability courses are designated by ENSU.

The following number scheme is used to identify courses:

1st digit = year

2nd digit indicates specialization

0 = common

1 = Resource Management

2 = Environmental Studies

9 = Independent Research Project

**1000 Introduction to Sustainability** examines historical and contemporary models of resource management and decision making as well as the supporting theoretical basis for an interdisciplinary approach to natural resources that includes ecological, economic, social and political perspectives. Case studies will be presented from Newfoundland and Labrador, across Canada, and around the world.

CR: the former Environmental Studies 1000, the former Sustainable Resource Management 2000

**2000 Introduction to Geographic Information Systems** explores the structure, design, science, and applications of digital geospatial information and geospatial technologies. These include Geographic Information Systems (GIS), Global Positioning Systems (GPS) and Remote Sensing (i.e. 3S technology), and the Geoweb such as Google Earth, Location Based Services (LBS). Students will also gain exposure to hands-on exercise and analysis on the current GIS software.

CR: the former Environmental Studies 2000, Geography 2195

LH: 3

PR: Environmental Science 1000 or Earth Sciences 1002 or Geography 1050

**2001 Introduction to Systems Thinking** exposes students to complex system dynamics that challenge our understanding of environmental and resource management. It is designed to help students develop a systems' intuition for analyzing environmental and resource management problems and provide the skills needed to better understand complex interactions within and among natural and human systems. It covers the introduction of basic structure and behavior of systems and key interrelationships in social-ecological systems.

CR: the former Sustainable Resource Management 2001

PR: ENSU 1000

**2200 Outdoor Pursuits - Fall** introduces the theoretical rationale and practical skills needed to demonstrate basic proficiency in several of the following activities: minimal-impact camping, wilderness cooking, hiking, kayaking, canoeing, navigating with map and compass, outdoor safety, search and rescue, and group management. The major focus of this course will be the practical application of learned skills.

AR: attendance is required

CR: the former Environmental Studies 2210

OR: 3 hours of practicum per week

**2201 Outdoor Pursuits - Winter** introduces the theoretical rationale and practical skills needed to demonstrate basic proficiency in several of the following activities: navigating with map and compass, outdoor safety, search and rescue, group management, cross-country skiing, telemark skiing, downhill skiing, snowshoeing, winter camping, and winter survival techniques. The major focus of this course will be the practical application of learned skills.

AR: attendance is required

CR: the former Environmental Studies 2220

OR: 3 hours of practicum per week

**3000 Human Dimensions of Resource Management** explores how human attitudes and beliefs can be incorporated into resource and environmental management decisions and strategies. While this course will focus on the human aspects of resource and environmental management, it will also highlight the importance of integrating ecological dimensions into management efforts.

CR: Geography 3425

PR: ENSU 2001

**3001 Application of Geographic Information Systems** exposes students to the application of GIS in environmental and resource management through the use of real world, locally-relevant case studies. The topics cover spatial data acquisition, spatial data creation, spatial data interpolation, and simulation of the distribution of flow of mass, energy, goods, services, animals and people in a spatially-explicit manner. In addition to laboratory assignments, students will complete a major term project.

CR: the former Environmental Studies 3001, Geography 3260

LH: 3

PR: ENSU 2000

**3100 Environmental Planning and Management** has two simultaneous and complementary dimensions: planning and management. The "environment" in environmental planning and management plays out in two ways: inappropriate consumption, and appropriate site accommodation. In this course, we consider the broad context of environmental problems while focusing the planning toolkit on principles of sustainability. The course starts with a history of environmental contexts in North America, and then moves to the specifics of context. Case studies are widely employed.

CR: the former Sustainable Resource Management 3001

PR: ENSU 2001

**3101 Analytical Approaches to Resource Management** provides training in application of modelling approaches for entities ranging from single populations to interacting systems. These approaches will be used to understand population and ecosystem dynamics as well as harvester and market behaviour under various management scenarios.

LH: 3  
PR: Biology 2600, ENSU 2001, Geography 3222 or 3 credit hours in statistics

**4000 Integrated Approaches to Resource Management and Decision Analysis** exposes students to approaches from natural and social sciences for natural resource management and decision making. Natural resource management involves decision making in a complex array of biophysical, social and economic environments consisting of the allocation of resources, formulation of policies, and manipulations of natural systems. The course presents methodological and practical aspects of planning and management using a case-based approach with regional, national and international perspectives.

PR: ENSU 3000 or permission of the Program Chair

**4010 Seminar in Environment and Sustainability** is a senior seminar in which selected environmental issues will be examined from several disciplinary perspectives.

CR: the former Environmental Studies 4010, the former Sustainable Resource Management 4010

PR: ENSU 3000 or permission of the Program Chair

**4100 Remote Sensing** discusses the physical principles on which remote sensing is based and the types of measurements being made. Understanding how remote sensors work at the conceptual level is the key to understanding the type of information that can be obtained. The topics covered include collection, manipulation and processing of remotely-sensed data, and the applications of these data in environmental and resource management.

CR: Geography 3250, the former Sustainable Resource Management 4000

LH: 3

PR: ENSU 3001

**4200 Contemporary Issues in Environmental Studies** provides a detailed, comprehensive investigation of selected environmental problems that could include the following issues: risk assessment, indigenous peoples' perspectives on the environment, energy policy, water governance, parks planning & management, political ecology, natural resource policy and administration, and environmental justice.

PR: ENSU 3000

**4201 Environmental Assessment** provides a thorough consideration of the environmental effects of a project and takes into account potential and probable impacts on the environment as well as people. Other areas of emphasis include cumulative impacts, socio-economic impacts, sustainability assessments, and Strategic Environmental Assessments of policies, plans, and programs.

CR: the former Environmental Studies 4000

PR: successful completion of 60 credit hours

**4901-4910 Special Topics in Environment and Sustainability** will have topics to be announced.

PR: enrollment in third or fourth year of the Bachelor of Environment and Sustainability Degree program

**4950 Independent Research Project - Environmental Studies** is a course that requires students to conduct independent research in environmental studies under the supervision of a faculty member. Students will prepare a major paper based upon their independent research.

CR: the former Environmental Studies 4950

PR: ENSU 3000, Geography 3222, Sociology 3040

**4960 Independent Research Project - Resource Management** is a course that requires students to conduct independent research in resource management under the supervision of a faculty member. Students will prepare a major paper based upon their independent research.

CR: the former Sustainable Resource Management 4950

PR: ENSU 3000, ENSU 3101, Geography 3222

## 13.13 Environmental Science

Environmental Science courses are designated by ENVS.

### 13.13.1 Environmental Biology

**3110 Taxonomy of Flowering Plants** is a study of the biodiversity of flowering vascular plants (Magnoliophyta) through the practical identification of Newfoundland families, genera, and species. Related taxonomic and biogeographical principles will be stressed.

CR: Biology 3041

LH: 3 laboratory periods of integrated practice and theory

OR: Students must submit a collection of flowering plants identified to the species level. Detailed instructions should be obtained from the instructor in the spring/summer prior to the commencement of this course.

PR: Biology 2010 or equivalent; Science 1807 and Science 1808

**3130 Freshwater Ecology** is the study of freshwater ecosystems (lakes,

streams, peatlands). Included are abiotic components, community structures, energy flow, biogeochemical cycles, and the evolution of natural and altered aquatic ecosystems. Emphasis will be placed on field and laboratory studies of the ecology of freshwater organisms and systems in western Newfoundland.

LH: 3

PR: Biology 2010, Biology 2122, Biology 2600; one of Chemistry 1001 or the former Chemistry 1011; Science 1807 and Science 1808

**3131 Impacted Terrestrial Ecosystems** is an examination of ecological and evolutionary responses by organisms in terrestrial ecosystems to human-derived and natural perturbations. Advanced conceptual, empirical and experimental approaches will be used, with an emphasis on sampling local habitats.

CR: Biology 3610

LH: 3

PR: Biology 2600; and two of Biology 2010, Biology 2122, Biology 2210 or the permission of the instructor and Program Chair; Science 1807 and Science 1808

**4132 Analytical Ecology** states that the assessment of environmental impacts on higher-level ecological systems requires a critical analysis of scientific reports, along with the ability to evaluate ecological terminology and concepts and associated statistical methodologies. Students in this course will critically read and analyse recent scientific literature in Environmental Biology, with selected topics at the community, ecosystem and landscape level, and examine related univariate and multivariate statistical procedures

LH: three-hour laboratory/discussion group

PR: Biology 2600, Statistics 2550 (or equivalent), and 6 credit hours selected from Environment and Sustainability 2000 or the former Environmental Studies 2000, ENVS 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470. It is recommended that students complete at least 80 credit hours before registering for this course.

**4133 Conservation Biology** will bring together the principles of ecology and conservation Biology at an advanced level. Current issues and techniques will be discussed with an aim towards understanding how populations of native flora and fauna can be managed for long-term conservation in the face of habitat degradation and loss.

CR: Biology 4650 and Geography 4650

LH: three-hour laboratory/discussion group

PR: two of ENVS 3110, 3130, and 3131; or permission of instructor; Science 1807 and Science 1808

**4140 Environmental Science Field Course** is a course providing practical experience in the observation, collection, identification and quantification of organisms and the various environmental parameters which affect them in pristine and disturbed habitats. Combinations of freshwater, marine and terrestrial habitats will be studied using techniques from various scientific disciplines. The actual combination of habitats, organisms, and techniques will vary from year to year.

PR: Biology 2600, Statistics 2550, with a minimum of 80 credit hours from Environmental Science Program (or equivalent) and permission of the instructor and Program Chair; Science 1807 and Science 1808

### 13.13.2 Environmental Chemistry

In accordance with Senate's *Policy Regarding Inactive Courses*, the course descriptions for courses which have not been offered in the previous three academic years and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the appropriate Dean of the School.

**2261 Survey of Environmental Chemistry** is an introduction to environmental problems, underlying chemistry and approaches to pollution prevention. Stratospheric chemistry and the ozone layer. Ground level air pollution. Global warming and the Greenhouse Effect. Toxic organic chemicals (TOCs), including herbicides, pesticides. Toxicology of PCBs, dioxins and furans. Chemistry of natural waters. Bioaccumulation of heavy metals. Energy production and its impact on the environment, including nuclear energy, fossil fuels, hydrogen.

PR: Chemistry 1001 or the former 1031 or Chemistry 1051 or Chemistry 2440 or the permission of the instructor and Program Chair

**3210 Environmental Analytical Chemistry I** is treatment of data, error analysis, wet methods of analysis of laboratory and field samples. Volumetric methods for acidity, alkalinity and hardness; chemical and biological oxygen demand (COD and BOD). Gravimetric methods for sulphate and phosphates. Theory and application of specific ion electrodes analysis of metal ions, dissolved gases and halide ions. Turbidimetric and nephelometric measures of water quality. Spectrophotometric analysis of trace metal ions.

LC: not more than seven hours per week

LH: not more than seven hours per week

PR: the former Chemistry 2300 (or 2301) and Chemistry 2210; Science 1807 and Science 1808



**3211 Environmental Analytical Chemistry II** is theory and application of spectroscopic methods of analysis (including error analysis) of environmentally important compounds. Spectrophotometric, FTIR, light scattering, chromatographic (GC, GC/MS, HPLC), fluorescence, phosphorescence, atomic absorption and electroanalytical methods will be studied. Synthetic laboratory samples and field samples will be examined by these techniques.

LC: not more than seven hours per week

LH: not more than seven hours per week

PR: ENV5 3210 (or equivalent); Science 1807 and Science 1808

**3260 Industrial Chemistry** is chemical principles used in the manufacture of inorganic and organic chemical products; electrochemical, petrochemical, polymer, pulp and paper, agricultural, cement, cosmetics, detergent and paint industries. Processes, specific pollutants of current interest: inorganic (e.g. mercury, nitrogen oxides and sulfur oxides gases, lead etc.) and organic (e.g. PCBs, chlorinated hydrocarbons, freons, pesticides/herbicides). Industrial sources and analytical methods of detection will be studied.

PR: Chemistry 2210, Chemistry 2401, and ENV5 2261 (ENV5 2261 may be taken concurrently) or permission of the instructor and Program Chair

**3261 Atmospheric Chemistry** (same as Chemistry 3261) provides a comprehensive study of the chemistry of the Earth's atmosphere. Beginning with an overview of planetary atmospheres, we follow the evolution of the Earth's atmosphere until today. Atmospheric chemical processes are interpreted from the perspectives of chemical kinetics, chemical thermodynamics, molecular orbital theory, and molecular spectroscopy. The mechanisms of stratospheric reactions are studied in the context of the ozone layer, while those of the troposphere are linked to the so-called 'greenhouse effect' and aspects of pollution. The very different upper-atmosphere chemistry is also studied.

CR: Chemistry 3261

PR: Chemistry 2210, Chemistry 2301 or permission of the instructor and Program Chair

**4230 Aquatic Chemistry I** is thermodynamics and kinetics of model systems. Acids and bases (including buffer intensity and neutralizing capacity), dissolved gases, precipitation and dissolution. Metal ions in aqueous solution. Redox control in natural waters. Pourbaix diagrams. Regulation of chemical composition of natural waters, pollution and water quality.

LC: not more than seven hours per week

LH: not more than seven hours per week

PR: ENV5 3211 and one of Chemistry 2400 or Chemistry 2440 or permission of the instructor and Program Chair; Science 1807 and Science 1808

**4239 Aquatic Chemistry II** - inactive course.

**4240 Organic Chemistry of Biomolecules** is structure and properties of carbohydrates, proteins, lipids, steroids, DNA and RNA. The chemistry of the cell in relation to its toxicology; effects of bioactive agents on cells, organelles, tissues and whole organisms. Natural products including those from the rain forest and marine environments. The role of metal ions in biomolecules. Examples of biosynthesis. Chemistry and mechanisms of mutagenesis and carcinogenesis.

PR: Chemistry 2401 or Chemistry 2440 or permission of the instructor and Program Chair

**4249 Environmental Organic Chemistry** focuses on anthropogenic sources of organic chemicals and pollutants in the environment. Concepts of organic chemistry (synthesis, structure, physical properties, chirality, industrial organic processes), biological chemistry (enzymes, oxidative pathways) and physical chemistry (equilibria, partitioning) extended and applied to mass transport through soil, water and air. Kinetics and mechanisms of chemical, photochemical and biological degradation and conversion of organics. Structure-reactivity relationships for organic chemicals and degradation intermediates in the environment.

CR: Chemistry 4620

PR: ENV5 4240, ENV5 3261, ENV5 4230 or the permission of the instructor and Program Chair

### 13.13.3 Other Environmental Science

**1000 Introduction to Environmental Science** is an introduction to the study of the environment. Environmental principles, issues and problems will be described and placed in a historical and societal context.

**2000 Sampling Methods in Environmental Science** introduces students to common field and laboratory techniques and monitoring practices in environmental science, in an interdisciplinary manner. The importance of field sampling and equipment used in field and laboratory for environmental monitoring of aquatic and terrestrial systems will be the main focus, incorporating aspects of biology, chemistry and earth science. Modules will be a mixture of field work, laboratory work, and lectures.

PR: Science 1807 and Science 1808; and two of Biology 1002, Chemistry 1001, Earth Sciences 1000; or permission of Chair

**2360 Geological Hazards and Natural Disasters** will introduce students to the geological aspects of the natural environment and the impacts that natural geological processes and phenomena may have on humanity. The impact of geological hazards and natural disasters on human society and behaviour will be examined through case studies.

CR: Earth Sciences 2916

PR: 15 credit hours or more

**2369 Introduction to Soils** provides a broad background knowledge about soils. Topics covered include: the origin of soils; physical, biochemical, and engineering aspects of soils; influence on humans and their food production; soil pollution and degradation; and management and conservation of soils.

PR: Earth Sciences 1000 or the former Geography 1000

**2370 Global Environmental Change** is a survey of the Earth as a dynamic system. Discussion of interacting cycles that define the Earth's environment. Material cycles and energy concepts. Evolution of the atmosphere in response to lithospheric, biospheric and hydrospheric changes. Major global environmental changes from Earth's formation to present. Emphasis on self-regulating ability of the Earth system.

PR: 30 credit hours or more

**2371 Oceanography** is historical review of science of oceanography. Earth and Earth systems (including plate tectonics). Marine sediments and sedimentary environments. Chemical and physical properties of seawater. The atmosphere and the oceans, ocean circulation. Waves and tides, coastal environments, distribution of organisms. Applied oceanography.

PR: 30 credit hours or more

**2430 Energy and the Environment** considers energy, energy conversion, heat transfer, the laws of thermodynamics, nuclear processes and radiation. Practical problems such as the energy shortage, human influences on climate, resource extraction, nuclear power etc. will be discussed.

PR: Mathematics 1081 or Mathematics 1000; Physics 1021 or co-requisite Physics 1051

**2450 Meteorology** is an application of physics and mathematics to the study of the atmosphere. Atmospheric motion on the global, synoptic, meso- and micro-scales. An introduction to atmospheric radiation and thermodynamics, clouds and precipitation. Vertical soundings and the analysis and interpretation of surface and upper-air weather maps.

CO: Physics 1051 or prerequisite Physics 1021

PR: Physics 1021 or co-requisite Physics 1051

**3000 Principles of Environmental Toxicology** introduces students to the field of toxicology through the understanding of processes that include absorption, distribution, metabolism, and excretion of toxic substances; and provides an overview of the history and development of ecotoxicology. An emphasis is placed on contemporary examples of toxic substances and their effects on biological systems and the environment.

CR: ENV5 4240

PR: Biology 1002, Chemistry 2401 or Chemistry 2440, and ENV5 2000

**3072 Comparative Marine Environments** will investigate the physical, chemical, geological and biological characteristics of the major marine environments from the coastal zone to the abyss and from the equator to the poles. The objective of the course will be an integrated study of the parameters that define the various environments. Emphasis will be placed on the interaction of organism and environment. The influence of the environment on the form, function and behaviour or organisms and the influence of the organism in modification of the physical environment will be stressed.

PR: ENV5 2371

**3470 Transport Phenomena** is fundamentals of fluid flow. Conservation laws for mass, momentum, and energy. Dimensional analysis. Turbulence. Confined fluid flows. Fundamentals of heat transfer. Conduction, convection, and radiation. Diffusion, dispersion, and osmosis. Applications to transport of pollutants at the microscopic and macroscopic scale.

PR: Mathematics 1001, Physics 1020 and Physics 1021 or Physics 1050 and Physics 1051

**4000 Environmental Science Seminar** reviews current topics in environmental science and discusses in a seminar format. Seminars will be presented on current research and environmental issues by faculty, students and guest speakers from universities, government and industry.

PR: Environmental Science students who have completed 80 credit hours or more, to include Biology 2600, Statistics 2550 and one of Chemistry 2440, Chemistry 2401, Chemistry 2210, or the former Chemistry 2300 (or 2301).

**4069 Fundamentals of Soil Systems** is the physics, chemistry and Biology of soil, including inorganic soil components, chemistry of organic soil matter, soil equilibria, sorption phenomena on soils, ion exchange processes, kinetics of soil processes, redox chemistry of soils, soil acidity, saline and sodic soils, organic pollutants, trace and toxic elements in soils, soil organisms, organic matter cycling, nutrient cycling and fertility, soil conservation and sustainable agriculture.

LC: not more than six hours per week

LH: not more than six hours per week. The laboratory will cover a number

of key physical, chemical and biological properties and procedures used in soil analyses. One or more field trips will be scheduled during laboratory sessions

PR: Biology 2600, Earth Sciences 1000, one of Chemistry 2210, the former Chemistry 2300, Chemistry 2301, Chemistry 2401, or Chemistry 2440, and 6 credit hours selected from Environment and Sustainability 2000 or the former Environmental Studies 2000, ENVS 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470. It is recommended that students complete at least 80 credit hours before registering for this course; Science 1807 and Science 1808.

**4131 Environmental Restoration and Waste Management** focuses on procedures aimed at restoring and rehabilitating ecosystems, with an examination of the interdisciplinary scientific basis underlying these procedures. The efficacy of management options, e.g. biomanipulation, microbial degradation and chemical treatments, involved in restoration and waste management will be evaluated. Applications and practical case studies of both aquatic and terrestrial ecosystems will be covered.

PR: Biology 2600, one of Chemistry 2210, the former Chemistry 2300, Chemistry 2301, Chemistry 2401, or Chemistry 2440, and 6 credit hours selected from Environment and Sustainability 2000 or the former Environmental Studies 2000, ENVS 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470. It is recommended that students complete at least 80 credit hours before registering for this course.

**4369 Environmental Hydrology** provides quantitative and qualitative study of hydrological processes and functions under different environments. It explores natural and anthropogenic impacts on quality, quantity and distribution of water in different environments. Thus, the students will develop a balanced view of the hydrological processes and functions, will be able to understand the basic tenets of water cycle modeling and will be equipped to recognize the role and impact of water management on complex natural phenomena.

PR: Biology 2600, ENVS 2369, one of Chemistry 2210, Chemistry 2301, Chemistry 2401, or Chemistry 2440, and 3 credit hours selected from Environment and Sustainability 2000 or the former Environmental Studies 2000, ENVS 2261, 2360, 2370, 2371, 2430, 3072 or the permission of the instructor and the Program Chair. It is recommended that students complete at least 75 credit hours before registering for this course.

**4479 Groundwater Flow** is groundwater in the hydrologic cycle. Principles of fluid flow through permeable media. Hydraulic properties of soil and rock formations. Groundwater at the local and regional scale. The unit basin model. Groundwater as a transport agent of chemicals and microbes. Groundwater resources, reservoir characterisation, and quality assessment. Groundwater contamination.

CR: Earth Sciences 3610, the former 4610  
PR: ENVS 3470 or the permission of the instructor and Program Chair

**4910-4930 Special Topics in Environmental Science** are special topics courses in Environmental Science normally taken by students beyond the second year.

**4950 Research Project in Environmental Science** is a course, with the guidance of a faculty member, where students will conduct a scientific study based upon original research or a critical review of extant data in an appropriate area. Students are required to submit a report and give a presentation.

PR: permission of Program Chair; Science 1807 and Science 1808

**4951 Honours Project in Environmental Science I** is a course, under the guidance of a designated supervisor (or supervisors), where the student will prepare a thesis proposal including a comprehensive literature review of the subject of their Honours thesis. Students will present the results of their work in both written and oral form.

PR: restricted to Environmental Science students who have been accepted into the Honours option; Science 1807 and Science 1808

**4959 Honours Research Project in Environmental Science II** is a continuation of ENVS 4951 specifically for Honours students. Under the supervision of faculty member(s), students will carry out an original research project in environmental science. Students will present both a thesis and seminar on their research.

PR: ENVS 4951 and admission to the honours program; Science 1807 and Science 1808

## 13.14 Folklore

In accordance with Senate's *Policy Regarding Inactive Courses*, the course descriptions for courses which have not been offered in the previous three academic years and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, contact the appropriate Dean of the School.

Folklore 1000 is the prerequisite for all other courses in Folklore, except Folklore 1050, Folklore 1060 and those courses cross-

listed with other subject areas.

Folklore courses are designated by FOLK.

**1000 Introduction to Folklore** explores the role of tradition in communication, art and society. Reading assignments and audiovisual material will emphasize the use of folklore in context. Students will analyse traditions in their own lives through special assignments.

CR: the former FOLK 2000

**1050 Folklore Studies** - inactive course.

**2100 Folklore Research Methods - An Introduction** is designed to provide the basic introduction to the research resources, tools and methods regularly employed in the area of Folklore. On the one hand, the course will examine what types of Library and Archive resources can be useful to the folklorist and, on the other hand, it will explore how folklorists in fieldwork situations should handle people, and how they can capture for posterity a record of the interviews that they have conducted and the events that they have observed. It is strongly recommended that majors and minors take this course before taking 3000 and 4000 level courses.

**2230 Newfoundland Society and Culture** (same as Sociology/Anthropology 2230) is the Sociology and Anthropology of the Island of Newfoundland. The focus is on social and cultural aspects of contemporary island Newfoundland.

CR: Sociology/Anthropology 2230  
UL: not applicable towards the Major or Minor in Anthropology

**2300 Newfoundland Folklore** (same as Anthropology 2300) is survey of the various types of Folklore: tale, song, rhyme, riddle, proverb, belief, custom, childlore and others, with stress on their function in the Newfoundland community culture. Individual collection and analysis of materials from the students' home communities, supplemented by data from the this University's Folklore and Language Archive.

CR: Anthropology 2300 and the former FOLK 3420  
PR: FOLK 1000 or Anthropology 1031  
UL: not applicable towards the Major or Minor in Anthropology

**2401 Folklife Studies** is an examination of the traditional cultures of Europe and North America with special reference to Newfoundland. A selection of the following areas will be covered: settlement patterns, architecture, work and leisure patterns in the folk community, calendar customs, rites of passage, folk religion, folk medicine, language and folk culture, folk costume, foodways and folk art.

CR: the former FOLK 3500

**2500 Folk Literature** (same as Anthropology 2500) is an examination of the major genres of folk literature: folk narrative, folk poetry and song, folk drama, and the traditional generic forms within folk speech. An introduction to the textual, comparative and contextual methods of analysis. The literature discussed will be international in scope.

CR: Anthropology 2500 and any of the former FOLK 3400, English 3400, Sociology/Anthropology 3400  
PR: FOLK 1000 or Anthropology 1031

**2600 Regional Folklore** - inactive course.

**3130 Greek and Roman Mythology** (same as Classics 3130) is a comparative study of specific myths and folktales of Greece and Rome as embodied in the literary and artistic remains of the ancient world with reference to their origins and their influence on later art and literature.

CR: Classics 3130

**3200 Folsong** is an introduction to the full range of traditional verse, song and music. Stress primarily on the songs of Canada, the United States and the British Isles, with attention to Newfoundland parallels. Examination of traditional vocal and instrumental styles as well as verse forms. Some reference to non-Western musical traditions. A knowledge of music is not a prerequisite.

CR: the former FOLK 2430

**3300 Folk Drama** is a survey of the main forms of traditional drama found in Great Britain and North America with reference to related European and non-western traditions. The origins, history and regional variations of these forms will be considered together with questions of social function, performance and aesthetics. The history of research in the area of folk drama will be examined along with related methodological and theoretical issues.

**3450 Language and Play** is an examination of such forms as the rhyme, riddle, proverb and proverbial saying, game, etc. Emphasis on problems of function and classification. Material will be chiefly from the British and North American traditions. Collecting will be encouraged.

**3601-3620 Special Topic in Folklore** will have topics to be studied announced by the School.

**3850 Material Culture** (same as Archaeology 3850) is an introduction to the study of material culture and the question of why objects are important to us. Using folklore and interdisciplinary approaches, we will look at objects as

cultural products, question the influence of objects on behaviours, and address the role of objects in historical and ethnographic research.

CR: Archaeology 3850

**3920 Folklore, Education and Community** is intended to familiarize students with the function of Folklore in the educational process. Emphasis will be on cultural transmission, cultural learning and child training practices (including mechanisms of social control.) The relationship of formal to informal education will be examined with particular reference to Newfoundland.

CR: the former FOLK 3030 or the former FOLK 4475

**3930 Folklore and Popular Culture** is an introduction to the study of popular culture, the folk/popular continuum, and the role of folklore in media such as film, television, music, and art.

CR: the former FOLK 2400

**4300 Folklore of Canada** is an examination of a variety of Canadian folklore from historical, geographical and cultural perspectives. Emphasis will be placed upon the application of theories of Canadian culture to folklore studies. Questions of the role of folklore and folklife with respect to identity, ethnicity, multiculturalism, national literature, regionalism and similar issues will be considered.

CR: the former FOLK 1020

**4440 Music and Culture** (same as Anthropology 4440, Music 4040, the former Music 4440) is traditional music as an aspect of human behaviour in Western and non-European cultures. Examination of the functions and uses of music; folk-popular-art music distinctions; and the relation of style to content. Outside reading, class exercises and individual reports will be required.

CR: Anthropology 4440, Music 4040, the former Music 4440  
UL: not applicable towards the Major or Minor in Anthropology

**4480 Oral History** (same as History 4480) examines the narratives of everyday people who tell their life experiences. This course focuses on the collection and analysis of oral narratives and how they can be used to illuminate the past. It considers the power of these narratives to shape constructions of the present and future for both narrators and audiences.

CR: History 4480

## 13.15 French

Three consecutive credit courses in French language are available at the first-year university level, providing a complete overview of basic oral and written French. New students may choose to register initially in French 1500 or 1501; a diagnostic test is offered to assist students with initial course selection or to confirm that initial course selection is appropriate. Students with a limited background in French should register for French 1500 and continue with 1501. Students with a strong background in high-school French should bypass 1500 and begin their university study with 1501, especially if they intend to proceed beyond the first-year level. Very well prepared students may apply to the School for permission to enter 1502 directly. Bypassing one or more of these courses may enable students to include a larger number of advanced electives in their degree program. French 1500, 1501 and 1502 require three hours of instruction per week and two additional hours of language laboratory work or conversation class, or both.

French courses are designated by FREN.

**1500 Introduction à la langue française, niveau universitaire I** cours pour débutants et pour ceux dont les connaissances du français sont très faibles. La permission de s'inscrire à ce cours ne sera pas accordée à ceux qui ont complété le Français 3202 (Immersion française au High School). Voir ci-dessus la note.

CR: l'autre des cours Français 1010 et 1011 (désormais supprimés)

**1500 Introductory University French I** is a course for beginners and for students whose background in French is very weak. Permission to register for this course will not be given to students who have completed Français 3202 (High School French immersion). See Note above.

CR: the former FREN 1010 or 1011

**1501 Introduction à la langue française, niveau universitaire II** Voir ci-dessus la note.

CR: et Français 1050 (désormais supprimé)

PR: High School French 3200 ou permission du chef du département. Les étudiants qui ont complété un programme d'immersion devraient consulter le chef du département avant de s'inscrire à ce cours.

**1501 Introductory University French II** See Note above.

CR: the former FREN 1050

PR: High School French 3200 or permission of the Head of the department. Ex-immersion students should consult the Head of the

Department before registering for this course.

**1502 Introduction à la langue française, niveau universitaire III** Voir ci-dessus la note.

CR: et Français 1051 (désormais supprimé)

PR: 1501, ou la permission du chef de la division

**1502 Introductory University French III** See Note above.

CR: the former FREN 1051

PR: 1501, or by permission of the Dean of the School

**2100 Français intermédiaire I** rédaction, grammaire et pratique orale.

PR: Français 1502

**2100 Intermediate French I** is composition, grammar and practice in oral skills.

PR: FREN 1502

**2101 Français intermédiaire II** continuation du travail de rédaction, de grammaire et de communication orale.

PR: Français 2100

**2101 Intermediate French II** is further work in composition, grammar and oral skills.

PR: FREN 2100

**2300 Phonétique** introduction pratique à la phonétique du français. Emploi des symboles de l'alphabet phonétique, transcription phonétique et phonétique corrective.

PR: Français 1502 ou équivalent

**2300 Phonetics** is a practical introduction to French phonetics, including the International Phonetic Alphabet and phonetic transcription as well as corrective phonetics.

PR: FREN 1502 or equivalent

**2601 Apprentissage de la lecture** les étudiants exploreront des stratégies de lecture qui faciliteront la compréhension de textes divers. Ce cours sera normalement enseigné en français.

CR: Les étudiants ayant complété Français 2550 peuvent suivre Français 2601 ou Français 2602, mais pas les deux. Les étudiants ayant complété Français 2551 peuvent suivre Français 2601 ou Français 2602, mais pas les deux. Les étudiants ayant complété Français 2550 et Français 2551 ne peuvent suivre ni Français 2601 ni Français 2602.

PR: Français 1502 ou Français 2159, ou équivalent

**2601 Reading Skills** will explore reading strategies in a variety of texts in French. This course will normally be taught in French.

CR: Students who have successfully completed FREN 2550 may take either FREN 2601 or FREN 2602, but not both. Students who have successfully completed FREN 2551 may take either FREN 2601 or FREN 2602, but not both. Students who have completed both FREN 2550 and FREN 2551 may not take either FREN 2601 or FREN 2602.

PR: FREN 1502, or FREN 2159 or equivalent

**2602 Lecture de textes intégraux** les étudiants exploreront des stratégies de lecture qui faciliteront la compréhension de textes intégraux. Ce cours sera normalement enseigné en français.

CR: Les étudiants ayant complété Français 2550 peuvent suivre Français 2601 ou Français 2602, mais pas les deux. Les étudiants ayant complété Français 2551 peuvent suivre Français 2601 ou Français 2602, mais pas les deux. Les étudiants ayant complété Français 2550 et Français 2551 ne peuvent suivre ni Français 2601 ni Français 2602.

PR: Français 1502, ou Français 2159 ou équivalent

**2602 Reading Complete Texts** will explore reading strategies in a variety of complete texts in French. This course will normally be taught in French.

CR: Students who have successfully completed FREN 2550 may take either FREN 2601 or FREN 2602, but not both. Students who have successfully completed FREN 2551 may take either FREN 2601 or FREN 2602, but not both. Students who have completed both FREN 2550 and FREN 2551 may not take either FREN 2601 or FREN 2602.

PR: FREN 1502, or FREN 2159 or equivalent

**2900 A Survey of Francophone Cultures** places emphasis on oral comprehension and expression. This course is a prerequisite for FREN 3650-3651-3653.

CR: the former FREN 2500

PR: FREN 1502 or equivalent. Students who have obtained less than 70% in FREN 1051 are, however, advised to complete FREN 2100 before attempting this course.

**2900 Survol des cultures francophones** met l'accent mis sur la compréhension et l'expression orales.

**3100 Grammaire et analyse de textes** révision des catégories nominale et verbale du français (morphologie, nombre, genre, temps, aspect, mode, voix). Analyse grammaticale et stylistique des textes avec un accent particulier sur l'emploi du verbe en français. Travaux d'expansion lexicale.

PR: Français 2101 ou Français 2160 et au moins un autre cours de français de niveau 2000

**3100 Grammar and Textual Analysis** is revision of the French noun and verb systems (morphology, number, gender, tense, aspect, mood, voice). Grammatical and stylistic textual analysis with special emphasis on the use of verbs in French. Vocabulary enrichment.

PR: FREN 2101 and 9 additional credit hours in French at the second-year level, or permission of the Head of the Department

**3101 Stylistique et analyse de textes** rôle et fonction des parties du discours; exploitation sémantique (synonymie, polysémie); tropes et figures de style. Analyse grammaticale et stylistique de textes avec un accent particulier sur ces phénomènes. Travaux d'expansion lexicale.

PR: Français 2101 ou Français 2160 et au moins un autre cours de français de niveau 2000

**3101 Stylistics and textual analysis** is role and function of the parts of speech in French; semantic enrichment (synonymy, polysemy); tropes and figures of speech. Grammatical and stylistic textual analysis with special emphasis on these phenomena. Vocabulary enrichment.

PR: FREN 2101 or FREN 2160 and at least one other 2000-level course in French

## 13.16 Gender Studies

Gender Studies courses are designated by GNDR.

**2000 An Interdisciplinary Introduction to Gender Studies** (same as the former Women's Studies 2000) is an interdisciplinary introduction to the major concepts, issues and debates of Gender Studies.

CR: the former Women's Studies 2000

**2001 Women and Science** (same as the former Women's Studies 2001) is an investigation of: historical and contemporary contributions of women scientists, especially Canadians; different sciences and how they study women; and feminist and other perspectives on gender and science.

CR: the former Women's Studies 2001

**3000-3010 Special Topics in Gender Studies** (same as the former Women's Studies 3000 - 3010) has a range of special topics in Gender Studies.

CR: the former Women's Studies 3000 - 3010

**4000 Contemporary Feminist Issues** same as the former Women's Studies 4000) is an interdisciplinary seminar in Gender Studies that identifies emerging debates in contemporary feminism and analyses complex and contentious issues and how they intersect and disrupt social constructions of gender.

CR: the former Women's Studies 4000

OR: 3 hour seminar per week

PR: students must normally have completed GNDR 3005 or the former Women's Studies 3005 or GNDR 3025 and 15 credit hours in other courses applicable to the Gender Studies Major and Minor programs before taking GNDR 4000. In exceptional cases, students without these prerequisites may be accepted, with the approval of the instructor of GNDR 4000 and the Head of the Department.

## 13.17 Geography

Geography courses are designated by GEOG.

**1050 Geographies of Global Change** provides perspectives on the major geographical challenges and changes facing the contemporary globe, including: climate and environmental change, sustainability, human development, economic globalization, cultural change, and population and migration. Using the integrative skills of geographical analysis, the course prepares students for advanced study in geography and citizenship in the modern world.

CR: the former GEOG 1000, the former GEOG 1001, the former GEOG 1010, and the former GEOG 1011

**2001 Cultural Geography** is an introduction to the study of culture in geography, emphasizing both the history of the field from classic studies of landscapes to contemporary scholarship and themes of recent importance. These include the relationship between nature and culture: imperialism and colonialism; place, identity, and power; and global cultures of commodities, media, and tourism.

PR: GEOG 1050, or the former GEOG 1001, or the former GEOG 1011

**2102 Physical Geography: The Global Perspective** is a study of form, process, and change in natural systems at and near the surface of Earth, viewed as human environment. Emphasis is on global and regional scales in the systematic study of climate, water, landforms and vegetation.

LH: 3

PR: GEOG 1050, or the former GEOG 1000, or the former GEOG 1011

**2195 Introduction to Geographical Information Sciences** is an introduction to the fields of cartography, remote sensing, and geographic

information systems (GIS). Geographic information collection, representation and analysis methods are the topics for the course. An emphasis is given to the applications of maps and satellite images.

CR: ENSU 2000, the former Environmental Studies 2000

**2302 Issues in Economic Geography** are basic issues and ideas in economic geography. The development of a regional economy will be related to underlying economic, cultural and physical factors.

PR: GEOG 1050, or the former GEOG 1001, or the former GEOG 1011

**2425 Natural Resources** is an introduction to the concepts of natural resources, environment and conservation: the nature and distribution of natural resources; methods of use, allocation and development of natural resources and the role of various physical, social, economic, political and technological factors influencing decision-making about resources.

CR: the former 3325

PR: GEOG 1050, or the former GEOG 1001, or the former GEOG 1011

**3222 Research Design and Quantitative Methods in Geography** is an introduction to principles of research design, and to the use of quantitative techniques. This course provides students with a basic understanding of data collection, entry, and analysis and presentation skills most commonly used by geographers. Practical, computer-based exercises are an essential part of the course. It is strongly recommended that this course be completed before registration in a 4000-level geography course.

CR: the former GEOG 2220

LH: 3

PR: GEOG 1050, or the former GEOG 1001, or the former GEOG 1011 and at least 9 credit hours from GEOG 2001, GEOG 2102, GEOG 2195, GEOG 2302, GEOG 2425.

**3350 Community and Regional Planning and Development** introduces students to regional planning and development theories, techniques and approaches. Understanding of networks of development actors at community and regional scales, methods of delineating regions, links between theory and practice in planning and development. Focus on Canadian experiences and a sustainable development perspective.

PR: GEOG 2302 or permission of the instructor

**3900-3909 Special Topics in Geography** will have topics to be studied announced.

PR: permission of the instructor and the Head

**4405 Outdoor Recreational Resources and Planning** is an introduction to the major themes and techniques in the study of outdoor recreation. A theoretical framework will provide a base for the evaluation of the complex issues involved in managing a physical resource for recreational purposes. North American examples will be emphasized.

CR: GEOG 4909

LH: 3

PR: GEOG 2425 or the former GEOG 3325. It is strongly recommended that GEOG 3222 and the former 3226 be completed before registration in 4000-level courses

## 13.18 History

With the exception of 4000-level cross-listed courses, students are required to take 12 credit hours in History (in addition to History 1100/1101) or have permission of the Chair of the Historical Studies Program before enrolling in any 4000-level History course.

History courses are designated by HIST.

**1100 Introduction to History** is an introduction to the study and writing of history which will emphasize the concepts of history through a thematic approach to the history of western civilization from ca. 1500 to ca. 1815. (Offered only at Grenfell Campus.)

CR: the former HIST 1000

**1101 Introduction to History** is an introduction to the study and writing of history which will emphasize the concepts of history through a combination of research and writing within a thematic approach to the history of western civilization from ca. 1815 to the present. (Offered only at Grenfell Campus.) Students in their first year normally take HIST 1100 and HIST 1101

CR: the former HIST 1001

**2034 History of the Hellenistic World** (same as Classics 2020) is a survey of the history of the Mediterranean world and the Near East from the death of Alexander the Great in 323 BC until the incorporation of the Kingdom of Egypt in the Roman Empire in 30 BC. Particular attention is given to the influence of the new monarchies on political, social and cultural developments in both Greek and non-Greek communities.

CR: same as Classics 2020

**2035 History of Classical Greece** (same as Classics 2035) is a survey of Greek history from the Bronze Age to the death of Alexander the Great, with special reference to the social and political institutions of the fifth century B.C.

CR: Classics 2035, HIST/Classics 2030 since 1985-86 or the former HIST/

## Classics 3910

**2040 History of Rome** (same as Classics 2040) is a survey of Roman history from the early monarchy to the reign of Constantine, with special reference to society and politics in the late Republic and early Empire.

CR: Classics 2040, HIST/Classics 3920

**2100 Empires of the North Atlantic, 1500-1820** will examine European expansion across the Atlantic to North America, the attempt to take possession of that continent through commercial investment and colonies, and the way in which European colonies were transformed into new societies.

**2120 The History of Canadian-American Relations, 1783 to the Present** is a survey of the major themes in the history of Canadian-American relations, from the American Revolution to the present. Emphasis will be placed on economic, social, political and cultural developments.

**2200 Making Canada** is a survey of Canadian History to Confederation, 1867.

**2210 Modern Canada** is survey of Canadian History since Confederation.

**2300 Early Modern European History, 1500-1789** is an introduction to the main issues and problems in early modern European History with an emphasis on the political, social, economic and cultural developments from the sixteenth through the eighteenth century.

**2310 Europe in the Nineteenth Century: 1789-1914** is a survey of the economic, social, political and cultural developments of Europe from 1789-1914.

**2320 Medieval Europe to the Eleventh Century** (same as Medieval Studies 2001) is a survey of the economic, social, political and cultural developments of the early Middle Ages.

CR: the former HIST 2030, Medieval Studies 2001

**2330 Medieval Europe Since the Eleventh Century** (same as Medieval Studies 2002) is a survey of the economic, social, political and cultural developments of Europe in the high and late Middle Ages.

CR: the former HIST 2030, Medieval Studies 2002

**2500 The Twentieth Century I** is a study of the world-wide impact of the main events and developments in the age of global interdependence.

CR: the former HIST 3700

**2510 Twentieth Century II** is an historical analysis of the main issues in the contemporary world since 1945.

CR: the former HIST 3710

**2540 Fascism and Resistance in the Twentieth Century** will explore the history of fascism, and resistance to fascism, from its late nineteenth-century origins through the end of the Second World War.

**2700 Art History Survey I** (same as Visual Arts 2700) is the history of art from pre-historic times to the Renaissance.

CR: Visual Arts 2700

**2701 Art History Survey II** (same as Visual Arts 2701) is the history of art from the Renaissance to the 20th century.

CR: Visual Arts 2701

**3030 Environmental History** examines the history of human relationships to the natural environment. The focus of the course is the history of environmental changes caused by humans, and the influence of the natural environment on human cultures and societies. Case studies will focus on issues with broad relevance to contemporary environmental issues such as energy use, the environmental impact of military conflict, species introductions, natural disasters, urban sustainability, ecological restoration, and the origins of environmentalism.

**3050 History of Warfare to 1789** is a survey of major developments in the history of warfare from the earliest times to 1789 with particular emphasis on changes in the nature and conduct of warfare, the evolution of military thinking, the organization of military and naval forces, the impact of technological change, the emergence of professionalism and the relationship between societies and armed forces.

**3060 History of Modern Warfare since 1789** is an examination of those major developments which have affected the nature and conduct of warfare in the period since 1789, with particular emphasis on the evolution of military thinking, the impact of technology on organization and planning, the role of air power, the civil-military relationship, professionalism in the armed forces, and the changing nature of warfare: the emergence of total war, global war, guerilla warfare, and limited warfare.

**3090 Alexander and the Macedonians** (same as Classics 3090) investigates the impact of the conquests of Alexander the Great and his Macedonian Successors on the political, social, cultural, intellectual, and religious world of the Mediterranean and Near East between Alexander's accession in 336 and the battle of Ipsus in 301, when his vast empire was

carved into Hellenistic kingdoms.

CR: Classics 3090

**3110 History of Newfoundland to 1815** is the growth of settlement and the manner in which a 'migratory' fishery carried on from England and Ireland changed into a 'sedentary' fishery carried on by residents of Newfoundland.

**3120 Modern Newfoundland Since 1815** is the establishment and development of political institutions, changes in economic structure and the growth of populations.

**3135 France in the Americas: 1500-1815** investigates the French presence mainly in New France, but also Newfoundland, Florida, Louisiana, the Caribbean, Acadia, Ile Royale, and Brazil, from the earliest voyages of exploration to the Anglo-French struggle for North America. This topic will be studied within the greater framework of the transplantation of a European society onto a different continent, delving also into various subject themes such as French-aboriginal relations, politics, and government, women and gender, and society in France and New France.

**3250 Migration History of North America** is a survey of migration to and within North America from the seventeenth to the twentieth century.

**3320 Early Modern France, 1500-1789** is French History from 1500 to 1789, with a focus on such themes as the Renaissance, political and social change, gender history and the Enlightenment.

CO: 6 credit hours that have the initial digit '2'

PR: 6 credit hours that have the initial digit '2'

**3330 France: 1750-1852** is the study of France from the decline of the Old Regime to the end of the Second Republic.

**3440 History of the British Empire and Commonwealth since 1815** is the transition from British Empire to Commonwealth of Nations.

**3445 Witchcraft and the Witch-Hunts in Early Modern Europe** is a history of witchcraft, demonology, and witch-hunts from 1400 to 1750, focusing on such themes as gender, the body and medical knowledge, religious dissidence, and popular culture.

**3450 British History: 1485-1714** is the emergence of Britain under the Tudors and early Stuart monarchs.

**3460 British History Since 1714** is British History from the accession of the Hanoverians to the welfare state.

**3490 History of Ireland Since the Great Famine** is a survey of Irish history from the mid-nineteenth century to the present.

CR: the former HIST 3470

**3520 Aboriginal History to 1763** (same as Anthropology 3520 and Archaeology 3520) examines Aboriginal history in North America, including the Innu, Inuit, Beothuk and Mi'kmaq, from before European contact to the Royal Proclamation in 1763. Particular attention will be paid to historical encounters framed by first contacts, cultural exchange, trade, disease, religious encounters, conflict and diplomacy, and territorial encroachment.

CR: Anthropology 3520 and Archaeology 3520

**3525 Aboriginal History from 1763** (same as Anthropology 3525 and Archaeology 3525) examines the history of Aboriginal peoples in North America, including the Innu, Inuit, Beothuk and Mi'kmaq, from 1763 to the twentieth century. Particular attention will be paid to Indigenous-settler relations, including Aboriginal policies, military encounters and diplomacy, expansion and removals, education, treaties, and politicization.

CR: Anthropology 3525 and Archaeology 3525

**3551 Tudors, Historical Memory, and Film** focuses on the dialogue between past and present as it plays out in the various film and historical representations of the Tudor period.

**3675 Navies and Societies Since 1650** is an examination of the rise of modern navies since 1650 that places navies and naval decisions within broader national and international political, economic and social contexts.

CR: the former HIST 3822

**3700 Art History: The Italian Renaissance** (same as Visual Arts 3700) is an overview of the art and architecture of Renaissance Italy with an emphasis on the historical context in which art was produced.

CR: Visual Arts 3700

**3701 Art History: The Renaissance Outside Italy** (same as Visual Arts 3701) is the Renaissance outside Italy from the late Fourteenth century and the international style through the 16th century.

CR: Visual Arts 3701

**3760 Women in Western Society and Culture** is a survey of major developments in the history of women from the fifteenth through the eighteenth centuries. The major themes addressed are: cultural and religious assumptions about women; demographic changes; women's work roles; women's participation in religious and political movements.

**3770 Women in Western Society and Culture (II)** are selected themes in

the history of women in the modern period with a focus on cultural attitudes toward women, demographic trends affecting women, the impact of changing economic roles, and the development of feminism.

CR: the former HIST 3761

**3840 Historical Methods** is an introduction to the methods and practices of history in the modern era. This course is compulsory for Honours students and recommended for Majors, including those intending to apply for graduate studies. For Historical Studies students at Grenfell Campus this course is required for all majors and minors.

CR: the former HIST 4801

PR: 12 credit hours in History including HIST 1100/1101 or permission of the instructor

**4101 The Renaissance in Europe, 1400-1550** is a seminar on the Renaissance in Europe, particularly in Italy and northern Europe, focusing especially on its intellectual and cultural aspects but also the social and gender history of the topic.

**4230 Special Topics in Newfoundland History I** are specialized studies in the History of Newfoundland.

**4231 Special Topics in Newfoundland History II** are specialized studies in the History of Newfoundland.

CR: the former Political Science 4731

**4254 Special Topics in Canadian History: A History of Social Welfare** is a study of the broad theme of the state and social welfare in Canada. It examines the origins of modern forms of social control as evidenced in the nineteenth century prison, the lunatic asylum, and the poorhouse. As well, it compares Canadian and British and American social welfare institutions and policies, and traces their historical evolution into the twentieth century.

**4320 Special Topics in European History: The British Empire, 1688 to the Present** has a range of special topics.

**4410-4430 (Excluding 4411, 4419, 4421) Historical Problems** are specialized studies in historical problems.

**4560-4570 Special Topics in Social and Intellectual History** are specialized studies in social and intellectual history.

**4730 Art History: Modern Art I** (same as Visual Arts 4730) is an examination of the cultural, social, and political forces which, from 1750 to 1850, were to have a major impact on modernity and later modern art.

CR: Visual Arts 4730

PR: 6 credit hours in art history or permission of the chair of the Visual Arts Program

**4731 Art History: Modern Art II** (same as Visual Arts 4731) is an examination of the various cultural and social forces between 1850 and 1914 which shaped the rise of the Modern movement.

CO: 6 credit hours in art history or permission of the chair of the Visual Arts Program

CR: Visual Arts 4731

PR: 6 credit hours in art history or permission of the chair of the Visual Arts Program

**4821 Reading Course** is a directed reading course for Honours and selected students including those intending to apply for graduate studies. Readings will be taken from a list of significant works in History, the Humanities, and the Social Sciences.

PR: permission of the Program Chair

**4950 Independent Project in Historical Studies** will have students complete an independent research project under the supervision of a faculty member or members. Topics must have the approval of the Program Chair of History.

PR: HIST 3840 and nine other History courses

## 13.19 Human Kinetics and Recreation

Human Kinetics courses are designated by HKR.

**3555 Outdoor Recreation Management** is an overview of outdoor recreation practices in Newfoundland and Canada. This course will examine the management of resources, conservation education and practices, development for public use or exclusion; legislation related to management of risk; viability of facilities; national and provincial agencies; private commercial ventures; and future trends in management. Management strategies will form a major part of the course.

CR: the former RECR 3555 and the former PHSD 3550

UL: cannot be used as an elective towards the **Environmental Studies**

**Major for Graduates of the Two-Year Adventure Tourism Diploma Program**

**3565 Tourism/Commercial Recreation** will examine behavioural factors influencing tourism; promotion of commercial recreation attractions; provincial strategies in travel and tourism; problems of leisure travel; stability of entrepreneurial ventures in tourism; and research and planning strategies

relevant to commercial ventures.

CR: Tourism 1000, the former Tourism 2201, the former RECR 3565 and the former PHSD 3560

**4555 Leadership and Supervision in Recreation** is need, selection, training and supervision of leaders in recreation. Certification, standards and professional organizations. Evaluation of leadership - materials and methods used. Practical exposure to roles of both leader and supervisor through seminar and related fieldwork.

CR: the former RECR 4555 and the former PHSD 4550

UL: cannot be used as an elective towards the **Environmental Studies Major for Graduates of the Two-Year Adventure Tourism Diploma Program**

**4575 Recreation Ethics, Issues and Trends** will explore contemporary trends and issues identified by governments and recreation practitioners and the way in which these issues influence the delivery of leisure services.

CR: the former RECR 4575 and the former PHSD 4570

## 13.20 Humanities

Humanities courses are designated by HUMN.

**1001 Humanities and the Contemporary World** is a study of the relevance of humanities disciplines and texts to contemporary cultural forms and practices such as movies, popular music, television, comic books, graphic novels, professional sports, etc. The course will also focus on the mastery of composition skills. The course is a designated writing (W) course.

**1002 Texts That Changed the World** is a study of humanities texts which have helped to shape Western Civilization. The course is a designated writing (W) course.

PR: HUMN 1001

**2000 Texts that Changed the World II** is a continuation of Humanities 1002. It focuses primarily on political thought from the renaissance through modern eras and examines how developments in the understanding of what it means to be human inform the social and political world. The course is a designated writing (W) course.

**2001 The Ancient World** is a study of major cultural developments and achievements in art, literature, religion, philosophy, and science in the ancient Mediterranean during the period 4000 BCE to 400 CE. The course explores the great ancient civilizations of the Near East, Greece, and Rome and their influence on the shaping of Western culture and society. The course is a designated writing (W) course.

PR: HUMN 1001 and 1002

**2002 Thought and Society in the Medieval World** this course examines the development of medieval civilization through the consideration of thought, art, spirituality and politics. Medieval culture will be examined largely through primary texts centered on a series of key themes and historical-cultural watersheds. These texts will be contained in a course pack designed for this course. The course is a designated writing (W) course.

PR: HUMN 1001 and 1002

**2010 Themes in Humanities (Interdisciplinary Seminar)** is a seminar course in which themes have common interest to the Humanities will be discussed from the perspective of the various disciplines. The course is a designated writing (W) course.

CR: the former HUMN 3000

PR: HUMN 1001 and 1002

**3001 The Early Modern Period** is a study of the major cultural developments and achievements in art, literature, religion, philosophy, and science in Western Europe during the period 1450-1650. The course is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

**3002 The Modern World** examines emerging conceptions of the modern self and its expression in philosophy, science, political revolution and constitution, visual art and literature during the period 1650-1850. The course is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

**3010 The Nature of Interpretation** introduces students to central concepts and debates concerning the sorts of interpretation that distinguish Humanities as a discipline. Students gain familiarity with contemporary and historical approaches. The course is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

**3020 Humanities and the Environment** is an examination of the human understanding of the natural world from the perspectives of the literary arts, the visual arts, and music and religion. It is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours in at the 2000-level

**3021 East Meets West - Asian Traditions and the Humanities** is an examination of the influence of Asian currents of thought in the West in literature, philosophy, the visual arts, music and popular culture. This is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours in at the 2000-level

**3100-3109 Special Topics** has a range of special topics in Humanities.

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

**4001 The Postmodern World** is a study of major developments in the evolution of culture, thought, arts, science, and beliefs in the Western world from the nineteenth century to the present day. The course is a designated writing (W) course.

PR: 12 credit hours in Humanities with at least 3 credit hours at the 3000-level

**4010 Authors, Events, and Texts** is a seminar course in which themes having common interest to the Humanities will be discussed from the perspectives of the various disciplines. This course focuses on close readings of its subject matter and is distinct from theme-oriented courses in Humanities. The course is a designated writing (W) course.

CR: the former HUMN 4000

PR: 24 credit hours in Humanities including HUMN 3010

**4020-4029 Special Topics** has a range of special topics in Humanities.

**4950 Independent Project (Directed Research)** will complete an independent research project under the supervision of a faculty member or members. Topics must have the approval of the Program Chair of Humanities.

PR: 24 credit hours in Humanities including HUMN 3010

## 13.21 Mathematics and Statistics

At most 9 credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: Mathematics 1000, 1031, 1050, 1051, 1052, 1053, 1080, 1081, 1090, 109A/B, 1150, 1151. Students who have already obtained credit for 6 or more Mathematics credit hours numbered 2000 or above are not permitted to register for Mathematics 1052 or 1053, nor can they receive credit for either of these courses.

At Grenfell Campus, students who have completed high school mathematics may enter directly into Mathematics 1090, 1052, 1053. However, placement in more advanced first-year mathematics courses is based upon a student's pre-requisite level of proficiency in mathematics as demonstrated in a manner that is acceptable to the School of Science and the Environment. This may be through a combination of credit and grades earned in recognized high school or undergraduate mathematics courses or through scores earned in recognized, standardized examinations such as International Baccalaureate (IB), Advanced Placement (AP), or the College Board's Subject Area Test in Mathematics Level I (SATM1) examinations. Where a pre-requisite has not been met through one of these means, a student will be required to complete the University's Mathematics Placement Test (MPT) or the Calculus Placement Test (CPT). Students registering for first year mathematics courses online or through the St. John's Campus should consult the **Faculty of Science, Course Descriptions, Mathematics** for placement information.

Mathematics courses are designated by MATH and Statistics courses are designated by STAT.

**1000 Calculus I** is an introduction to differential calculus, including algebraic, trigonometric, exponential, logarithmic, inverse trigonometric and hyperbolic functions. Applications include kinematics, related rates problems, curve sketching and optimization.

CR: the former MATH 1081

LH: 1.5

PR: MATH 1090 or 109B or a combination of placement test and high school Mathematics scores acceptable to the Department

**1001 Calculus II** is an introduction to integral calculus, including Riemann sums, techniques of integration and improper integrals. Applications include exponential growth and decay, area between curves and volumes of solids of revolution.

PR: MATH 1000 or the former MATH 1081

**1052 Mathematics for Business** covers topics which include elementary algebra and functions, sets, elementary probability, matrices, systems of equations, and linear programming.

CR: Math 1050 and Math 1051

LC: 4

UL: students who already have obtained credit for 6 or more Mathematics credit hours numbered 2000 or above are not permitted to register for this course, nor can they receive credit for it

**1053 Classical Mathematics** covers topics which include logic, permutations, combinations, mathematical systems, elementary number theory, and geometry.

CR: Math 1050 and Math 1051

LC: 4

UL: students who already have obtained credit for 6 or more Mathematics credit hours numbered 2000 or above are not permitted to register for this course, nor can they receive credit for it

**1090 Algebra and Trigonometry** provides students with the essential prerequisite elements for the study of an introductory course in calculus. Topics include algebra, functions and their graphs, exponential and logarithmic functions, trigonometry, polynomials, and rational functions.

CR: if previously completed or currently registered for MATH 1000, MATH 1001, 109A/B, the former 1080, or the former 1081

LH: 3

PR: a combination of placement test and high school Mathematics scores acceptable to the Department or the former MATH 104F

**2000 Calculus III** is an introduction to infinite sequences and series, and to the differential and integral calculus of multivariate functions. Topics include tests for the convergence of infinite series, power series, Taylor and Maclaurin series, complex numbers including Euler's formula, partial differentiation, and double integrals in Cartesian and polar coordinates.

LH: 1.5

PR: MATH 1001

**2050 Linear Algebra I** includes the topics of Euclidean  $n$ -space, vector operations in 2- and 3-space, complex numbers, linear transformations on  $n$ -space, matrices, determinants, and systems of linear equations.

PR: A combination of placement test and high school Mathematics scores acceptable to the Department or 3 credit hours in first year Mathematics courses.

**2051 Linear Algebra II** includes the topics of real and complex vector spaces, basis, dimension, change of basis, eigenvectors, inner products, and diagonalization of Hermitian matrices.

PR: MATH 1000 and MATH 2050

**2090 Mathematics of Finance** covers the following topics: simple and compound interest and discount, forces of interest and discount, equations of value, annuities and perpetuities, amortization schedules and sinking funds, bonds and other securities, contingent payments.

PR: MATH 1001

**2130 Technical Writing in Mathematics** is a project oriented course combining mathematical investigation and technical writing. By using computer programming, graphical and typesetting tools, students will explore mathematical concepts and will produce technical reports of professional quality. The latter will combine elements of writing and graphics to convey technical ideas in a clear and concise manner.

PR: MATH 1001 and Computer Science 1510 the former 1710 or the former 2710 or the former 2602 or Engineering 1020 or permission of the Chair of Computational Mathematics

**2260 Ordinary Differential Equations I** (same as the former MATH 3260) is direction fields, equations of first order and first degree, higher order linear equations, variation of parameters, methods of undetermined coefficients, Laplace transforms, systems of differential equations. Applications include vibratory motion, satellite and rocket motion, pursuit problems, population models and chemical kinetics.

CR: the former MATH 3260 or the former Engineering 3411

PR: MATH 2000

**2320 Discrete Mathematics** covers basic concepts of mathematical reasoning: logic and quantifiers, methods of proof, sets and set operations, functions and relations, equivalence relations and partial orders, countable and uncountable sets. These concepts will be illustrated through the congruence and divisibility of integers, induction and recursion, principles of counting, permutations and combinations, the Binomial Theorem, and elementary probability.

CR: the former Computer Science 2740 or the former Engineering 3422 or Engineering 4424

PR: MATH 1001 or MATH 2050

**2330 Euclidean Geometry** is an introduction to Euclidean geometry of the plane. It covers the geometry of triangles and circles, including results such as the Euler line, the nine-point circle and Ceva's theorem. It also includes straight-edge and compass constructions, isometries of the plane, the three reflections theorem, and inversions on circles.

CR: the former MATH 3330

PR: MATH 2051 or 2320

**2500 Statistics for Business and Arts Students** is descriptive statistics (including histograms, stem-and-leaf plots and box plots), elementary

probability, random variables, the binomial distribution, the normal distribution, sampling distribution, estimation and hypothesis testing including both one and two sample tests, paired comparisons, correlation and regression, related applications.

CR: STAT 2550, the former STAT 2510, Psychology 2910, Psychology 2925 and the former Psychology 2900

LH: 1.5

PR: MATH 1000 or MATH 1052 or 6 credit hours in first year courses in Mathematics or registration in at least semester 3 of a Bachelor of Nursing program or permission of the Head of Department.

**2550 Statistics for Science Students** is an introduction to basic statistics methods with an emphasis on applications to the sciences. Material includes descriptive statistics, elementary probability, binomial distribution, Poisson distribution, normal distribution, sampling distribution, estimation and hypothesis testing (both one and two sample cases), chi-square test, one way analysis of variance, correlation and simple linear regression.

CR: Engineering 4421, STAT 2500, the former STAT 2510, Psychology 2910, Psychology 2925 and the former Psychology 2900.

LH: 1.5

OR: Statistical computer package will be used in the laboratory, but no prior computing experience is assumed

PR: MATH 1000 or the former MATH 1081

**3000 Real Analysis I** covers the structure of the real numbers, sequences and limits, compactness, continuity, uniform continuity, differentiation, and the Mean Value Theorem.

CR: the former MATH 2001

LH: 1.5

PR: MATH 2000 and 2320

**3132 Numerical Analysis I** includes a discussion of round-off error, the solution of linear systems, iterative methods for nonlinear equations, interpolation and polynomial approximation, least squares approximation, fast Fourier transform, numerical differentiation and integration, and numerical methods for initial value problems.

CR: Computer Science 3731

LH: 1.5

PR: MATH 2000, MATH 2050, and Computer Science 1510 or the former 1710 or the former 2710 or the former 2602 or Engineering 1020 or permission of the Chair of Computational Mathematics

**3202 Vector Calculus** deals with functions of several variables. Lagrange multipliers, vector valued functions, directional derivatives, gradient, divergence, curl, transformations, Jacobians, inverse and implicit function theorems, multiple integration including change of variables using polar, cylindrical and spherical co-ordinates, Green's theorem, Stokes' theorem, divergence theorem, line integrals, arc length.

CR: Physics 3810

PR: MATH 2000 and MATH 2050

**3240 Applied Graph Theory** examines algorithms and complexity, definitions and basic properties of graphs, Eulerian and Hamiltonian chains, shortest path problems, graph colouring, planarity, trees, network flows, with emphasis on applications including scheduling problems, tournaments, and facilities design.

CR: the former Computer Science 2741

PR: MATH 2320

**3320 Abstract Algebra** is an introduction to groups and group homomorphisms including cyclic groups, cosets, Lagrange's theorem, normal subgroups and quotient groups, introduction to rings and ring homomorphisms including ideals, prime and maximal ideals, quotient rings, integral domains and fields.

PR: MATH 2320

**3340 Introductory Combinatorics** includes Topics such as distributions, the binomial and multinomial theorems, Stirling numbers, recurrence relations, generating functions and the inclusion-exclusion principle. Emphasis will be on applications.

PR: MATH 2320

**3370 Introductory Number Theory** is perfect numbers and primes, divisibility, Euclidean algorithm, greatest common divisors, primes and the unique factorization theorem, congruences, cryptography (secret systems), Euler-Fermat theorems, power residues, primitive roots, arithmetic functions, Diophantine equations, topics above in the setting of the Gaussian integers.

PR: MATH 2320

**3410 Mathematical Statistics I** is basic probability concepts, combinatorial analysis, conditional probability, independence, random variable, distribution function, mathematical expectation, Chebyshev's inequality, distribution of two random variables, binomial and related distributions, Poisson, gamma, normal, bivariate normal, t, and F distributions, transformations of variables including the moment-generating function approach.

CR: Statistics 2410

OR: one and a half hour tutorial period weekly

PR: MATH 2000

**4132 Introduction to Optimization** is an introduction to optimization,

analytic methods for functions of one variable and for functions of several variables, classical maxima and minima, necessary and sufficient conditions, constrained optimization, equality and inequality constraints, Kuhn-Tucker conditions, introduction to the calculus of variations, linear programming, simplex algorithm.

PR: MATH 3202 and 2260 (or the former MATH 3260)

**4160 Partial Differential Equations I** covers two point boundary value problems, Fourier series, Sturm-Liouville theory, canonical forms, classification and solution of linear second order partial differential equations in two independent variables, separation of variable, integral transform methods.

PR: MATH 3202 and 2260 (or the former MATH 3260)

**4242 Algorithms and Complexity** is a study of the correctness and complexity of algorithms, with particular focus on algorithms important in mathematics. Topics may include sorting and binary search, string searching, integer multiplication and exponentiation, matrix multiplication, geometric problems such as closest pair of points and convex hull, probabilistic and approximative algorithms. This course discusses polynomial reductions and NP-completeness.

PR: MATH 3132 and 3240 and Computer Science 1510 or the former 1710 or the former 2710 or the former 2602 or Engineering 1020 or permission of the Chair of Computational Mathematics

**4291-4299 Special Topics in Computational Mathematics** is a variety of topics in Mathematics.

PR: permission of the Chair of Computational Mathematics

**4305 Mathematical Logic** starts with a brief overview of basic set theory, followed by an introduction to propositional and predicate logic and basics of model theory (models, theories, compactness theorem) and computability theory (computable and computably enumerable sets, first order arithmetic).

PR: MATH 2320 and 6 credit hours in Mathematics at the 3000-level or higher or permission of the Chair of Computational Mathematics

**4340 Combinatorial Analysis** continues most of the topics started in 3340 with further work on distributions, recurrence relations and generating functions. Generating functions are used to solve recurrence relations in two variables. Also included is a study of Polya's theorem with applications.

PR: MATH 2000 and 3340

**4345 Advanced Graph Theory** (same as the former MATH 4290) includes topics which may be chosen from matchings, factorizations, adjacency matrices, eigenvalues of graphs, strongly regular graphs, independent sets and cliques, cuts and connectivity, graph products, graph homomorphisms, edge colourings, domination, and graph searching.

CR: the former MATH 4290

PR: MATH 2051 and 3240

**4950 Senior Project** is a course in which, under the guidance of a faculty member, students conduct a scientific study based upon original research or a critical review of extant data in an appropriate area. Normally the project will have a computational component. Students are required to submit a report and give a presentation.

PR: permission of Program Chair

## 13.22 Philosophy

In accordance with Senate's *Policy Regarding Inactive Courses*, the course descriptions for courses which have not been offered in the previous three academic years and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the appropriate Dean of the School.

Philosophy courses are designated by PHIL.

**1002 Introduction to Philosophy** (same as the former PHIL 1200) is a general introduction to the study of Philosophy both as a contemporary intellectual discipline and as a body of knowledge. It introduces philosophy's forms of enquiry, the nature of its concepts, and its fields (epistemology, logic, metaphysics, aesthetics, ethics, and political philosophy) by way of the critical study of primary works by major philosophers. Authors may include Plato, Aristotle, Aquinas, Descartes, Hume, Kant, Nietzsche, de Beauvoir, Arendt.

CR: the former PHIL 1200

**1005 Philosophy of Human Nature** (same as the former PHIL 1600, the former PHIL 1000) is an approach to philosophical thinking by way of analysis and critique of theories of human nature, classical and modern, and the world views associated with them. This course is of particular value to students interested in the Social Sciences and Humanities.

CR: the former PHIL 1000, the former PHIL 1600

**2020 Epistemology** (same as the former PHIL 2220) introduces philosophy by way of the question of the nature of knowledge. Is knowledge a possession or an activity? Is truth an illusion, a correspondence, or a form of coherence? What does it mean to 'hold a belief' or 'affirm a proposition'?



Short classical texts form the basis of the works studied and may include Plato, Descartes, and Ayer.

CR: the former PHIL 2220

**2030 Logic** aims to improve the student's ability to formulate and evaluate arguments. At the end of the course, the student will have a thorough understanding of the essentials of argument, the rules of valid inference, and ways of proving the validity of good arguments and the invalidity of bad arguments. Open in any year to all students wishing acquaintance with basic logical skills.

CR: the former PHIL 2210

**2050 Social and Political Philosophy** is concerned with the social and political institutions and practices by which human life is organized. Historical and/or contemporary texts will be engaged to explore some of the following issues: What is the nature of political authority? What is the nature of freedom? What material and social conditions must be met in order for societies to be just? How are existing societies unjust, and how should that injustice be addressed?

CR: the former PHIL 3400

**2100 Health Ethics** (same as the former PHIL 2551) examines concepts of health and illness and their ethical implications.

CR: the former PHIL 2551, the former PHIL 2803

**2130 Environmental Ethics** (same as the former PHIL 2561, the former PHIL 2809) is a philosophical approach to issues in ecology. Topics may include historical and contemporary concepts of nature, technology, the ethical status of animals and the non-human, the application of traditional ethical paradigms to environmental issues, and the future of humanity in an age of climate change, ballooning human population, disappearing wilderness, and dwindling resources.

CR: the former PHIL 2561, the former PHIL 2809

**2201 History of Ancient Philosophy** (same as Classics 2701, the former Philosophy 2701, the former Philosophy 2701) introduces students to the origins of philosophy in the West. Topics include cosmology, metaphysics, physics, ethics, God, and the ancient ideal of philosophy as a 'way of life.' We will examine the texts and fragments of the most influential and foundational philosophers of the ancient world, focusing primarily on the thought of Plato and Aristotle, their engagement with the Pre-Socratic philosophers who came before them, and their influence upon philosophers since.

CR: Classics 2701, the former Philosophy 2701

**2215 History of Modern Philosophy** same as the former PHIL 2702) is a survey of the development of Western philosophy since the 17th century until the late 18th century. Topics may include the existence of God, whether nature is determined and if there is free will, the rise of early modern science, and the debates over rationalism and empiricism.

CR: the former PHIL 2702

**2310 Philosophy and Literature** engages philosophically with different literary forms such as poetry, drama, and fiction. Possible topics include the use of literary works to express philosophical ideas, the nature of literary expression, and different traditions of literary criticism and interpretation. Course readings will comprise both literature and philosophy.

CR: the former PHIL 3610

**2340 Philosophy of Film** (same as the former PHIL 2581) introduces some of the central philosophers, topics and themes in the philosophy of film. Topics and themes include: the nature of film image, the relationship between film and "reality", the social/ political role and function of film and the nature and value of the documentary. The course will also consider the representation of broader philosophical ideas in film. A film or films will accompany each section.

CR: the former PHIL 2581

**3010 Plato** (same as the former PHIL 3730) examines Plato's philosophy from selections representing the Socratic, transitional, eidetic, and stoichiological dialogues, as well as Plato's philosophy of the concrete. Plato's thought will be examined as a development of ideas and problems raised in Pre-Socratic philosophy, and the development of his own philosophy will be traced throughout a selection of his writings.

CR: the former PHIL 3730

PR: 6 credit hours in Philosophy courses at the 1000 or 2000 level

**3020 Aristotle** (same as the former PHIL 3734) examines Aristotle's philosophy of nature, logical works, metaphysics, psychology, and ethics. Attention will also be given to Aristotle's philosophy as a development of and response to Plato's thought. Whether one is a student of Philosophy, History, English, Religion, Classics, Political Science or History of Science, a familiarity with the thought of Aristotle is indispensable. For all these disciplines, not only is his place in history foundational, but his influence often remains formidable today.

CR: the former PHIL 3740

PR: 6 credit hours in Philosophy courses at the 1000 or 2000 level

**3310 German Idealism** (same as the former PHIL 3860) is a study of post-Kantian classical German philosophy from 1787-1831. The generation of

philosophers immediately following Kant - most notably Fichte, Schelling, and Hegel - took his ideas and developed systematic interpretations of human experience, emphasizing its embodied and social nature, and interpreting history in terms of the struggle between freedom and oppression. This course studies these "German Idealists" who have continued to shape major developments in European philosophy.

CR: the former PHIL 3860

PR: 6 credit hours in Philosophy courses at the 1000 or 2000 level

**3400 Political Philosophy** is leading philosophical ideas concerning the origin and justification of political institutions.

**3430 Existentialism** (same as the former PHIL 3940) is a philosophical tradition dedicated to thinking through the experience of human freedom and to casting doubt on conventional answers to the question of how we should live. Human beings are free to define themselves, according to existentialism, but with that freedom comes a forbidding challenge: the responsibility to define themselves, without any easy answers to the question of how. This course will address some of the central figures associated with existentialism. Authors may include Nietzsche, Kierkegaard, Sartre, de Beauvoir, and Camus.

CR: the former PHIL 3940, the former PHIL 3980

PR: 6 credit hours in Philosophy courses at the 1000 or 2000 level

**3610 Philosophy and Literature** is a study of the interrelationship of thought and imagination in philosophical and literary forms of writing.

**4000 Seminar in Metaphysics** (same as the former PHIL 4250) focuses on a primary text or texts surrounding a particular metaphysical question. Topics may include: the nature of being, causality, order, unity, essence and existence, and freedom.

CR: the former PHIL 4250

PR: 6 credit hours in Philosophy courses at the 1000 or 2000 level

**4100-4199 Special Topics in Major Authors and Texts** (same as the former PHIL 4700-4790, the former PHIL 4800-4890) will have topics to be studied announced by the Department.

CR: the former PHIL 4700-4790, the former PHIL 4800-4890

PR: 6 credit hours in Philosophy courses at the 3000 level

## 13.23 Physics

Physics courses are designated by PHYS.

**1020 Introductory Physics I** is an algebra-based introduction to Newtonian mechanics. Topics covered include motion in one and two dimensions, Newton's laws, momentum, energy and work, and rotational motion. Previous exposure to physics would be an asset but is not essential.

CO: Mathematics 1090 or 109B

CR: PHYS 1050

LH: 3; six laboratory sessions per semester

OR: tutorial or problem sessions may be held on weeks when no laboratory is scheduled

PR: Level III Advanced Mathematics or Mathematics 1090 or 109B. It is recommended that students have completed at least one high school physics course; and Science 1807 and Science 1808.

**1021 Introductory Physics II** is an algebra-based introduction to oscillations, fluids, wave motion, electricity and magnetism, and circuits.

LH: 3; normally there will be six laboratory sessions per semester

OR: tutorial sessions may be held on weeks when no laboratory is scheduled

PR: PHYS 1020 or 1050, and Mathematics 1090 or 1000, and Science 1807 and Science 1808

**1050 General Physics I: Mechanics** is a calculus-based introduction to mechanics. The course emphasizes problem solving, beginning with a review of vectors and one-dimensional kinematics. The main part of the course covers motion in two dimensions, forces and Newton's Laws, energy, momentum, rotational motion and torque, and finally oscillations. For details regarding recommendations for students taking PHYS 1050, see **Physics and Physical Oceanography, Note 4**.

CO: Mathematics 1000

CR: PHYS 1020

LH: 3

PR: Mathematics 1000; Science 1807 and Science 1808

**1051 General Physics II: Oscillations, Waves, Electromagnetism** is a calculus-based introduction to oscillations, wave motion, and electromagnetism. Topics include: simple harmonic motion; travelling waves, sound waves, and standing waves; electric fields and potentials; magnetic forces and fields; electric current and resistance; and electromagnetic waves.

CO: Mathematics 1001

LH: 3

PR: PHYS 1050, or 1021, or 1020 (with a minimum grade of 70%) and Mathematics 1001; Science 1807 and Science 1808

**2053 Fluids and Thermal Physics** examines elasticity, fluid mechanics,

thermodynamics, kinetic theory and statistical mechanics.

CO: Mathematics 1001 and PHYS 1051

LH: 3

PR: Mathematics 1001 and PHYS 1051; Science 1807 and Science 1808

**2056 General Physics VI: Modern Physics** is special relativity, quanta of light, atomic structure and spectral lines, quantum structure of atoms and molecules, nuclei and elementary particles.

CO: Mathematics 1001 and PHYS 1051

CR: PHYS 2750

LH: 3

PR: Mathematics 1001, PHYS 1050 (or PHYS 1020 and PHYS 1021), and PHYS 1051; Science 1807 and Science 1808

**2065 Experimental and Computational Physics** - inactive course.

**2150 The Foundation of Astronomy** represents a general introduction to astronomy. The course emphasizes the scientific method, basic physics, night sky and objects in our solar system. Topics include space science, telescopes, spectroscopy, atomic structure, the formation and evolution of planetary systems, and the detection and properties of exoplanets.

**2151 Stellar Astronomy and Astrophysics** is atomic structure and spectra. The sun: radiation, energetics, magnetic field. Stars: distance, velocity, size, atmospheres, interiors. Variable stars, multiple stars, clusters and stellar associations. Stellar evolution, interstellar matter, structure of the Milky Way Galaxy. Exterior galaxies, quasi-stellar objects, pulsars. Cosmology.

PR: 6 credit hours in Mathematics at the first year level

**2400 Subatomic Physics** is an introduction to nuclear and particle physics. Topics include nuclear properties and models; radioactive dating; fission; nuclear reactors; accelerators; the detection, classification, and properties of subatomic particles. Applications in areas such as ecology, dosimetry, medical physics and nuclear astrophysics are discussed.

PR: Level III Advanced Mathematics or Mathematics 1090 or 109B. It is recommended that students have completed at least one of Level II and Level III high school physics courses.

**2553 Introduction to Analog and Digital Electronics** covers the basics of the analog and digital electronics; direct current circuits, capacitors and inductors, alternating currents, test equipment and measurement, transducers, diodes and transistors, introduction to operational amplifiers, digital basics, digital circuitry and digital analog I/O. This course is a combined lecture/laboratory course with two three-hour sessions scheduled per week.

PR: Mathematics 1000 or equivalent, PHYS 1021 or 1051; Science 1807 and Science 1808

**2820 Computational Mechanics** introduces computational methods in the context of Newtonian mechanics. Numerical differentiation and integration, numerical solutions to differential equations and data analysis are applied to projectile motion, N-body systems, oscillations and problems from astrophysics and geophysics. Implementation of numerical methods using computer programming is emphasized.

CO: Mathematics 2000

LH: 2

PR: Mathematics 2000 and PHYS 1051

**3060 Electricity and Magnetism** is point charges; Coulomb's law; electrostatic field and potential; Gauss' law; conductors; magnetostatics; Ampere's law; Biot-Savart law; dielectric and magnetic materials; electrostatic and magnetostatic energy; Lorentz force; time varying fields; Faraday's law; Lenz's law; Maxwell's equations.

CO: Mathematics 2260 (or the former Mathematics 3260)

LH: 3

PR: PHYS 1051 and Mathematics 2260 (or the former Mathematics 3260); Science 1807 and Science 1808

**3061 Electromagnetic Theory** includes Maxwell's equations, energy and momentum in electromagnetic systems, EM waves, potentials and fields, dynamical systems of charges, radiation, the interaction of EM fields with matter, and the relativistic formulation of electromagnetism and its applications.

PR: PHYS 3060

**3160 Stellar and Galactic Astronomy** is the physics and mathematics of stars and galaxies. Orbits and the two-body problem, radiation and matter, theory of stellar atmospheres, structure and evolution of stars. Galaxies: Morphology and kinematics. Milky Way kinematics and structure, large-scale star formation, the distribution of interstellar matter in galaxies. Starburst and active galaxies. An introduction to cosmology.

CR: PHYS 3150 and PHYS 3151

PR: Mathematics 2000, PHYS 2056, PHYS 2151. PHYS 3220 is recommended.

**3180 Observational Astrophysics** covers theoretical topics including celestial mechanics, continuous and line spectra, stellar structure and nucleosynthesis, and stellar evolution. Observational topics include planning observations, acquisition of images with a CCD electronic camera,

fundamentals of astronomical image processing, photometry, and stellar spectroscopy using a variety of software packages.

LH: 3

PR: Mathematics 2000, PHYS 2056. PHYS 2151 is recommended.

**3220 Classical Mechanics I** covers vector operations, coordinate transformations, derivative of vectors, Newton's laws, differential equations, kinematics and dynamics of a particle, linear and quadratic air resistance, terminal velocity, momentum of a time varying mass, center of mass systems, angular momentum, moment of inertia, energy, work-energy theorem, forces as the gradient of potential energy, time dependent potential energy, curvilinear one-dimensional systems, energy of a multiparticle system, calculus of variations, and Lagrangian Dynamics.

CO: PHYS 2820, Mathematics 2260 and the former 3220

PR: PHYS 2820, Mathematics 2260 and 3202

**3230 Classical Mechanics II** covers noninertial frames of reference, Newton's second law in a rotating frame, centrifugal force, Coriolis force, motion of rigid bodies, center of mass, rotation about a fixed axis, rotation about any axis, inertia tensor, Euler's equations with zero torque, coupled oscillators, chaos theory, bifurcation diagrams, state-space orbits, Poincare sections, Hamiltonian dynamics, ignorable coordinate, phase-space orbits, Liouville's theorem, scattering angle, impact parameter, differential scattering cross section, and Rutherford scattering.

CO: Mathematics 3202

PR: PHYS 3220, and Mathematics 2260 and 3202

**3250 Elementary Particles and Fields** includes the Standard Model, classification of elementary particles and forces of nature, symmetries, conservation laws, quark model, quantum electrodynamics, quantum chromodynamics, and the theory of weak interactions.

PR: Mathematics 3202, Mathematics 2260 (or the former Mathematics 3260), PHYS 2056, PHYS 2400

**3400 Thermodynamics** covers the first and second laws of thermodynamics. Entropy. Thermodynamics of real substances. Kinetic theory of matter. Introduction to statistical mechanics.

PR: Mathematics 2000, PHYS 2053 and PHYS 2750 or 2056

**3650 Quantum Mechanics I** includes a review of elementary quantum physics and covers topics such as wave functions, operators, expectation values, the Schrodinger equation in 1-dimension, states and operators in Hilbert space, coordinate and momentum representations, quantum mechanics in three dimensions, angular momentum, spherically symmetric potentials, and approximation methods.

PR: Mathematics 3202, PHYS 2056, PHYS 3220

**3820 Mathematical Physics II** examines the functions of a complex variable; residue calculus. Introduction to Cartesian tensor analysis. Matrix eigenvalues and eigenvectors. Diagonalization of tensors. Matrix formulation of quantum mechanics. Quantum mechanical spin. Vector differential operators in curvilinear coordinate systems. Partial differential equations of Mathematical Physics and boundary value problems; derivation of the classical equations, separation of variables; Helmholtz equation in spherical polar coordinates.

PR: Mathematics 2260 (or the former Mathematics 3260), and PHYS 3810 (or Mathematics 3202)

**4100 Senior Physics Seminar** is a review of current topics in Physics discussed in a seminar format. Seminars are presented by faculty, students, and guest speakers. Topics are normally drawn from the fields of sub-atomic & nuclear physics or astronomy & cosmology.

PR: normally restricted to Physics students who have completed 78 credit hours or more

**4880 Physics Laboratory** introduces the student to advanced laboratory work in several areas of physics.

PR: Physics students who have completed 60 credit hours or more; Science 1807 and Science 1808

**4950 Research Experience in Physics** is an opportunity for students to participate in original research under the supervision of a faculty advisor. Students are required to present a written report and to give a seminar on their work.

PR: Physics students who have completed 78 credit hours or more and permission of the Physics Program Chair

## 13.24 Political Science

Political Science courses are designated by POSC.

The second digit in each course number designates a field in Political Science. Students interested in notionally concentrating in an area may be guided in their course selections, as follows:

### Second Digit

0 General & Research techniques

1 Political theory

2 International politics

- 3 Comparative politics
- 6 Public policy and public administration
- 8 Canadian politics
- 9 Special topics

**1000 Introduction to Politics** is an introduction to basic concepts in the study of politics, power, law, public policy and government, touching on major areas of political ideologies, institutions, and current domestic and international political issues. Suitable for students in all disciplines.

**1010 Issues in Canadian Politics and Policy** explores some of Canada's most pressing and interesting political and public policy issues. This course profiles important political problems facing federal and provincial politicians and society. Open to all students interested in Canadian politics, government and domestic public policy.

**1020 Issues in World Politics** explores some of the world's most pressing and interesting political issues. This course profiles important political problems, such as a power struggle within a particular country, a controversial topic that affects an entire continent, or a major crisis that has implications for inhabitants around the world. Suitable for students in all disciplines who have an interest in international politics.

**2200 Introduction to International Politics** is an examination of the "building blocks" of international politics including determinants, means, processes and ends. Emphasis is on the post-1945 period.

**2300 Introduction to Comparative Politics** is an introduction to comparative politics and techniques of comparative analysis across political jurisdictions. This course focuses on the differences between, and similarities among, a variety of countries and systems of government.

**2500 Introduction to Political Behaviour** - inactive course.

**2600 Introduction to Public Policy and Administration** outlines major concepts in, and issues relating to, the fields of public policy and administration. Introduces students to major conceptual issues that shape public policy and government, such as agenda setting, types of public policy models and public management processes. Open to all students interested in the study of public policy and public administration.

**2800 Introduction to Canadian Politics and Government** is an introduction to the structure and operations of institutions of Canadian government and the nature of political actors. Topics to be examined may include the constitution, federalism, parliament, political parties, political culture and elections.

CR: the former POSC 2710

**3351 Politics and the Environment** (same as the former POSC 3550) is an examination of the environmentalist movement, interest groups, and green parties; the impact of environmentalism on conventional parties and public opinion; and the dynamics of support for and opposition to the achievement of environmentalist objectives.

CR: the former POSC 3550

**3631 Environmental Policy** (same as the former POSC 3731) is an examination of the formation, implementation, and impact of public policies concerning the environment including an examination of different policy approaches and the problems of environmental regulation.

CR: the former POSC 3731

## 13.25 Psychology

Psychology 1000 and Psychology 1001 are prerequisites for all Psychology courses.

**1000 and 1001 Introduction to Psychology** is an introduction to Psychology as a biological and social science. Topics shall include research methodology, physiological processes, perception, learning, memory and cognition, human development, animal behaviour, emotion, motivation, consciousness, personality and individuality, psychological disorders and treatment, and social psychology.

PR: Psychology 1000 is a prerequisite for Psychology 1001

**2925 Research Methods and Data Analysis in Psychology I** will cover basic research methods and supporting statistical concepts and techniques. Basic methods will include observational techniques, correlational studies, and surveys. Supporting statistical concepts will include populations and samples, measures of central tendency and variability, basic probability, correlation, simple linear regression and validity and reliability. Supporting statistical techniques will include producing tables and graphs, and the calculation and interpretation of measures of central tendency, variability, probabilities, correlation, and simple linear regression. Students will also learn how to write a description of a simple study in basic APA style, and how to use a statistical package to analyse surveys and calculate correlation. Basic ethical principles in conducting research will be introduced. This course includes a weekly laboratory.

CR: Psychology 2910, Statistics 2500, Statistics 2550, the former Psychology 2900, and the former Statistics 2510

LH: 3

**2950 Research Methods and Data Analysis in Psychology II** will cover basic experimental methods and supporting statistical concepts and techniques. Basic designs will include one factor designs (independent and repeated measures). Supporting statistical concepts will include statistical sampling distributions (t and F), internal and external validity, hypothesis testing, and simple interactions. Supporting statistical techniques will include independent and repeated measures t-tests, one-factor independent and repeated measures ANOVA, and selected multiple comparisons techniques. Students will also learn how to write a description of an experiment in APA style, how to critically analyse a report of an experiment, how to use and interpret a statistical package to analyse experimental data, and how to conduct literature searches.

CR: the former Psychology 2901, Statistics 2501, and Statistics 2560

LH: a weekly laboratory

PR: Psychology 2925 or equivalent

**3950 Research Methods and Data Analysis in Psychology III** will cover advanced research methods, including survey methods, and supporting statistical concepts and techniques. Designs will include single factor designs and multi-factor designs with both random and fixed factors. Supporting statistical concepts will include analysis of variance (ANOVA) from a linear model perspective, statistical power, and multiple regression, including model building. There may be a general introduction to multivariate statistical techniques. Ethical issues in research will be discussed in detail. Students will be required to design and carry out at least one research project from the design to the writeup stage, including an ethics review.

CR: Psychology 3900, Statistics 3520, the former Psychology 3520

LH: a weekly laboratory

PR: Psychology 2950 or equivalent

### 13.25.1 Survey Courses

**2025 Survey of Developmental Psychology** is a survey of the cognitive, social, and personality development of people. Development will be tracked from the prenatal stage to old age. Topics to be studied shall include: research methodology, genetics, prenatal development, environmental effects during prenatal development, attachment, emotional development, language development, intelligence, cognitive development, socialization, sex-roles and gender identity, adolescence, adulthood and aging.

CR: Psychology 2010, Psychology 2020, the former Psychology 2011

**2125 Survey of Social Psychology** is a survey of how the behaviour of individuals is influenced by others. Topics to be studied shall include: methodology and ethics, social cognition, social perception, attitude formation and change, interpersonal attraction, social influence, group processes and leadership. Additional topics may include: aggression, prosocial behaviour, sex and gender, environmental effects, organizational behaviour, health, stress and psychology and the law.

CR: Psychology 2100 and Psychology 2120

**2225 Survey of Learning** is a survey of learning phenomena and learning theories. Topics to be studied shall include: the evolutionary context of learning, habituation and sensitization, imprinting, Pavlovian conditioning, instrumental learning, generalization and discrimination in learning and neural mechanisms of learning.

CR: Psychology 2240 and the former Psychology 2250

**2425 Survey of Cognitive Psychology** is a survey of how humans process and retain information. Topics to be studied shall include: perception and pattern recognition, attentional processes and memory. The influence of stored information on selected behaviours will be considered. Selected behaviours may include language processing, concept formation, problem solving, decision making and practised and skilled performance.

CR: Psychology 2440 and Psychology 3450

**2625 Survey of Personality** is a survey of the theories of personality and relevant selected areas of research in the area of personality. Issues related to the application of this information to understanding abnormal behaviour will also be discussed. Theoretical systems covered will include: psychodynamic theory, behaviourism and cognitive-behavioural theory, humanism, traits and dispositions, social learning theory, psychological constructivism, information processing and biological theories of personality.

CR: Psychology 2610, the former Psychology 2620, and the former Psychology 2200.

**2825 Survey of Biological Psychology** is a survey of the biological bases of behaviour. Topics to be studied shall include: the structure and function of the nervous system, sensory structures and sensory coding, homeostasis, emotions, circadian rhythms and sleep, sexual behaviour, psychopharmacology, consciousness and language, behavioural evolution and behaviour genetics.

CR: Psychology 2810 and the former Psychology 2850

### 13.25.2 Contemporary Issues Courses

**3025 Contemporary Issues in Developmental Psychology** examines in

depth one or more areas of research within developmental psychology. Some topics that may be examined include cognitive development, social development, developmental psychopathology, and child eyewitness testimony.

PR: Psychology 2025 and Psychology 2925

**3040 Contemporary Issues in the Psychology of Death and Dying** uses psychological research, theory, and clinical experience to study death, dying and bereavement throughout the life cycle. Some selected topics include understanding death, the process of dying, care of the dying, medical ethics, suicide, and the psychological impact of life-threatening conditions. In addition, trauma, grief, and bereavement in children, adolescents, and adults are explored.

PR: Six credit hours in 2000 level psychology courses

**3125 Contemporary Issues in Social Psychology** examines in depth one or more areas of research within social psychology. Some topics that may be examined include the psychology of prejudice, criminal behaviour, social influence, and aggression.

PR: Psychology 2125 and Psychology 2925

**3126 Contemporary Issues in the Psychology of Women** explores the psychology of women from varying cultural perspectives, such as racial, sexual orientation, age and class. Topics include the history of women in psychology, women's development across the life span, women and social relationships, and violence against women.

PR: Six credit hours in 2000 level psychology courses

**3225 Contemporary Issues in Learning** examines in depth one or more areas of research in learning and cognition. Topics may include associative learning, instrumental conditioning, discrimination learning, category formation, memory, navigation, social cognition and learning, intelligence, concepts of time and number, self-awareness and communication and language.

PR: Psychology 2225 and Psychology 2925

**3226 Contemporary Issues in the Psychology of Education** is an introduction to the application of psychology to issues in education in a variety of settings. It examines the theoretical and applied aspects of learning and cognitive development; motivation; personal and social development; and evaluation, measurement, and assessment.

PR: Six credit hours in 2000 level psychology courses

**3325 Contemporary Issues in Sensation and Perception** examines the functioning of human sensory systems and how physical stimuli are transformed into signals that can be understood by the nervous system. In both human and animal models how the brain receives and processes information from the visual, auditory, gustatory, olfactory, and somatosensory systems may be examined. Basic psychophysics may also be examined.

PR: Psychology 2925 and Psychology 2425 or Psychology 2825

**3425 Contemporary Issues in Memory and Cognition** uses current psychological theories and research to examine aspects of human memory and cognition. Topics may include, but are not limited to, perception and pattern recognition, attentional processes, knowledge representation, working and long term memory, language, problem solving, decision making, expert performance, and abnormalities in cognition.

PR: Psychology 2425 and Psychology 2925

**3525 Contemporary Issues in Emotion** introduces the biological, cognitive, and social influences on emotions. Attention is given to unconscious (automatic) processes, nonverbal emotional expressions, and understanding specific emotions. Contemporary research may be highlighted in such areas as the effects of hormones, emotional intelligence, the consequences of problems in emotional development, or emotions in therapy.

PR: Psychology 2925 and any Survey Course in Psychology from the Grenfell Campus Psychology Program

**3625 Contemporary Issues in Personality** examines in depth one or more areas of research with personality psychology. Some topics that may be examined include stress and health, psychoanalysis, psychology of motivation, and personality in work organizations.

PR: Psychology 2625 and Psychology 2925

**3626 Contemporary Issues in Abnormal Psychology** explores the definition of abnormal behaviour, clinical assessment, classification, and diagnosis. The core theoretical perspectives on psychological disorders are examined. For each disorder the diagnostic criteria, etiology, treatment, and prognosis is presented. This course enhances the students' ability to think critically about issues pertaining to mental health and illness.

CR: Psychology 3640, Psychology 3650, and the former Psychology 3600  
PR: Psychology 2625 and Psychology 2925

**3627 Contemporary Issues in Psychotherapy** introduces students to the major theories, concepts and practices of contemporary approaches to psychotherapy. It includes the exploration of ethical and professional issues in professional practice.

PR: Psychology 2625 and Psychology 2925

**3628 Contemporary Issues in Psychological Testing and Measurement** explores the development and application of tests and techniques for psychological assessment. A review of test construction and evaluation examines methods of item analysis, reliability, validity, and test norms. The major domains of applied psychological assessment are examined. Ethical issues in psychological assessment are presented throughout the course.

PR: Psychology 2950 and any one of Psychology 2025, Psychology 2425, Psychology 2625.

**3725 Contemporary Issues in Animal Behaviour** includes one or more areas of research in animal behaviour and/or evolutionary psychology. Topics may include history of animal behaviour and/or evolutionary psychology, genetic analysis of behaviour, evolutionary theory and natural selection, development of behaviour, sensation and perception, orientation, foraging, antipredator behaviour, learning, cognition, sociality and dispersion, sexual reproduction and sexual selection, parental care and mating systems, altruism, aggression, communication and social dominance.

PR: Psychology 2925 and Psychology 2825 or Psychology 2225

**3825 Contemporary Issues in Physiological Psychology** includes one or more areas of research in neuroscience and/or behavioural neuroscience. Topics may include neurophysiology and neuroanatomy, methodology including brain imaging, developmental disorders, sensory-perceptual and motor systems, physiological basis of attention, memory, language, emotion and spatial behavior, alterations of consciousness, neurological disorders, plasticity, recovery and rehabilitation and neuropsychological assessment.

PR: Psychology 2825 and Psychology 2925

### 13.25.3 Senior Courses

**4910 Systems of Psychology** is a study of paradigms and explanations in contemporary psychology in the context of their historical antecedents.

PR: at the St. John's campus, 30 credit hours in Psychology courses required in the majors program and admission to a Major in Psychology or Behavioural Neuroscience or, at the Grenfell campus, 30 credit hours in Psychology courses including Psychology 3950

**4925 Senior Seminar in Psychology** is weekly seminars for faculty and senior students in Psychology. Current issues in academic and professional psychology shall be discussed.

PR: 30 credit hours in Psychology including Psychology 3950 or permission of the Chair of Psychology

**4950 Independent Project in Psychology** is under the supervision of a Faculty member where students will independently carry out approved projects and prepare reports of their findings.

CR: Psychology 4951  
PR: 30 credit hours in Psychology including Psychology 3950 or permission of the Chair of Psychology

**4951 Honours Project in Psychology I** is under the supervision of a Faculty member and each student will independently review an area of psychology and prepare a thesis proposal for further investigation.

CR: Psychology 4950  
PR: 30 credit hours in Psychology including Psychology 3950 or permission of the Chair of Psychology and admission to the Honours program in Psychology

**4959 Honours Project in Psychology II** is a continuation of Psychology 4951. Under the supervision of a Faculty member, each student will independently carry out an approved project which will result in an honours thesis.

PR: Psychology 4951 or the permission of the Chair of Psychology and admission to the Honours program in Psychology

### 13.25.4 Non-Restricted Courses

**2150 Introduction to Forensic Psychology** will provide an in-depth overview of the relationship between psychology and the law. A variety of topics will be discussed and critically evaluated, including the use and misuse of psychology-based investigative methods such as offender and geographic profiling, detection of deception, investigative interviewing, eyewitness testimony, jury decision-making, corrections and treatment, risk assessment, and criminal responsibility.

PR: PSYC 1000 and 1001  
UL: cannot be used towards the Psychology major

**2800 Drugs and Behaviour** is an examination of the neurophysiology of drug action, the measurable effect of drugs on experimentally controlled behaviour, and a survey of information available on common self-administered drugs and their immediate and long-term effects.

PR: PSYC 1000 and 1001  
UL: cannot be used towards the Psychology major

**3533 Sexual Behaviour** covers the most important aspects of human sexuality with a psychology theory and research framework. The course will examine the biological, behavioural and socio-cultural bases of the human

sexual response. Topics include sexual interaction and communication, contraception, sexually transmitted infections, reproduction, sexual orientation, transgender and intersex, variations in sexual behaviour, sex and gender, sexual dysfunction and therapy, and sexual coercion.

PR: PSYC 1000 and 1001

UL: cannot be used towards the Psychology major

## 13.26 Religious Studies

Unless otherwise specified, Religious Studies courses do not have prerequisites. Students who register in a 3000- or 4000-level course are encouraged, however, to make sure that they have adequate preparation for that course, preferably by having completed a first- or second-year course in the field.

Religious Studies courses are designated by RELS.

**1000 The Religions of the World** is an introduction to the basic beliefs and practices of the world's great religions.

CR: the former RELS 2010

**1032 Introduction to Asian Religions and Culture** is a broadly based survey course introducing students to the religions, culture, and societies of Asia. Traditions explored may include those of India (Hinduism, Buddhism, Sikhism, Jainism), China (Daoism, Confucianism, Buddhism), Japan (Shinto, Zen Buddhism), and Korea.

**2013 Christianity** is a study of the Christian tradition, its development and variety. The course will include an examination of the beliefs and practices of both Eastern and Western Christianity and a study of the main differences among the major Western denominations.

CR: the former RELS 2130, 2140

**2050 The Old Testament** is an introduction to the historical background, literary structure, and content of the Old Testament. Emphasis will be placed on the authorship and dating of the various texts that comprise the Old Testament, as well as on major themes, figures, and events.

**2051 The New Testament** is an introduction to the history and literary structure of the documents comprising the New Testament. Emphasis will be placed on the major themes found in these documents and on the distinctiveness of approach of the individual writers.

**2350 Religious Institutions** (same as Anthropology 2350) is a contextual study of religious institutions and beliefs, calendrical feasts and solemnities, religious roles and hierarchies, ritual innovation and revitalization.

CR: Anthropology 2350, the former Sociology/Anthropology 2350, the former Sociology 2350

**2400 Buddhism** examines the history of Buddhist traditions in Asia, with consideration of the major developments in Buddhist philosophy, institutions, and practices.

CR: the former RELS 3400

**2410 Hinduism** examines the history of Hindu religious traditions, their major religious texts, institutions, and practices, and their role in social, political, and cultural movements in India and in Hindu diaspora communities.

CR: the former RELS 3410

**2610 Introduction to Religious Ethics** is an introduction to religious ethics through the systematic study of selected writers and issues in biomedicine, human sexuality, and social justice. Possible topics for discussion include euthanasia, abortion, poverty, and unemployment.

CR: the former RELS 2600 and the former RELS 2601

**3010 Greek Religion** (same as Classics 3010) is a study of the role of religion in the private and public life of the Greek world.

CR: Classics 3010 and the former RELS/Classics 3121

**3020 Roman Religion** (same as Classics 3020) is a study of the role of religion in the private and public life of the Roman world.

CR: Classics 3020 and the former RELS/Classics 3121

**3200 Jesus of Nazareth** is a study of the historical Jesus. Beginning with an assessment of the relevant source material, this course explores what can be known about the life of Jesus of Nazareth in its historical and cultural contexts.

**3210 Paul and His Writings** is a study of the writings of the Apostle Paul in the New Testament, and his contribution to Christianity in the cultural and historical milieu in which he lived and was active.

**3310 Judaism at the Time of Jesus** will explore the developments in Jewish thought, institutions, beliefs, and practices from the Babylonian Exile of the sixth century B.C.E. to the time of Jesus, King Herod and the Roman Empire of the first century C.E.

CR: the former RELS 3220

**3401 Zen, Buddhist Meditation, and Buddhist Psychology** examines the

relationship between meditation and theories of human psychology in Buddhism from its origins to its formulation in Zen.

**3820 Religion and the Arts** (same as Visual Arts 3820) is an examination of the role of art in the expression of religious ideas, together with a study of specific religious themes and concerns in one or more of the following: literature, film, music, painting, sculpture and dance.

CR: Visual Arts 3820

**3831 Religious Themes in Contemporary Songwriting** is a study of religious themes in contemporary songwriting through the in-depth examination of the work of a selection of contemporary songwriters. The course will explore how religious questions and themes are handled in contemporary song and explore how song as an artistic medium expresses religious meaning. Songwriters to be explored may include the following: Bob Dylan, Bob Marley, Joni Mitchell, Leonard Cohen, Van Morrison, Tori Amos, Nick Cave, Alanis Morissette, Julie Miller, the Louvin Brothers, the Stanley Brothers, Hank Williams, etc.

**3880 Religion, Worldviews, and the Environment** examines the human connection to the natural world as expressed in traditional religions, indigenous worldviews and contemporary approaches to environmental crises.

## 13.27 Science

Science courses are designated by SCI.

**1807 Safety in the Scientific Laboratory** introduces students to safety practices required for working in science laboratories where hazards are present. Students complete an online module in Laboratory Safety. Normally, it will be taken before the start of the semester in which students take their first science laboratory course with this prerequisite, and it must be completed no later than the first Friday of the semester. Check department lists of courses to see where this is a prerequisite.

CH: 0

OR: only offered online; completion time estimated to be one hour

**1808 WHMIS** introduces students to Newfoundland and Labrador's Workplace Hazardous Materials Information System (WHMIS). Students will complete an online module in WHMIS. Normally, it will be taken before the start of the semester in which students take their first science laboratory course with this prerequisite, and it must be completed no later than the first Friday of the semester. Check department lists of courses to see where this is a prerequisite.

CH: 0

OR: only offered online; completion time estimated to be one hour

**3000 Concepts, Methods and Issues in Science I** - inactive course.

**3001 Concepts, Methods and Issues in Science II** - inactive course.

**4000 Senior Science Seminar** is a review of current topics in science discussed in a seminar format. Seminars will be presented by faculty, students and guest speakers.

PR: Permission of the Program Chair. This course is restricted to students in the General Science program who have completed 80 credit hours or more.

**4950 Senior Project** requires students to work either individually or in pairs on developing a poster presentation on specific scientific topics of current interest. This will require a detailed proposal, followed by the necessary relevant research in appropriate journals and Internet sources. Participants in this course will organize a mini-conference, to be held at the end of semester, at which these posters will be presented. Where appropriate, students will be encouraged to integrate knowledge from at least two different scientific disciplines in the development of this project.

PR: restricted to students in the General Science program who have completed 80 credit hours or more

**4951 Honours Project I** is the preparation of a project proposal under the guidance of a faculty supervisor, including a comprehensive bibliographical review, with the aim of producing a well-annotated Bibliography.

PR: Permission of the Program Chair. This course is restricted to students in the General Science program who have completed 80 credit hours or more.

**4959 Honours Project II** is a continuation of SCI 4951. Under the supervision of a Faculty Advisor, students will prepare an Honours Thesis. The preparation of this will entail some original research, and will require the student to integrate knowledge from at least two disciplines.

PR: SCI 4951 and permission of the Program Chair

## 13.28 Social/Cultural Studies

Social/Cultural Studies courses are designated by SCCU.

**2000 Introduction to Social/Cultural Studies** introduces students to the theory and the intellectual and historical contexts of anthropology, folklore

and sociology as the central academic foci of Social/Cultural Studies. Readings and lecture materials, drawn from each of the three disciplines, introduce students to core concepts, ideas and debates found within each cognate and the ways in which all three disciplines contribute to Social/Cultural Studies as an interdisciplinary field of study.

**2244 The Graphic Novel - Historical, Cultural and Literary Contexts** (same as English 2244) examines the historical, cultural and literary impact of the Graphic Novel; investigates its continuing development; and introduces students to significant works within the genre.

CR: English 3842, English 2244

PR: 6 credit hours first-year English; one of Folklore 1000, Anthropology 1031, or Sociology 1000

**4000 Interdisciplinary Seminar in Social/Cultural Studies** is conducted through faculty presentations, assigned readings and group discussions and students will learn how to engage and evaluate the broad debates within Anthropology, Folklore and Sociology. Rather than focus on narrow substantive material from the disciplines, this seminar will emphasize the larger shifts and challenges which have led to new topics and methods of analysis within the social sciences.

PR: completion of 90 credit hours or more and admission to Social/Cultural Studies

**4100 Issues in Cultural Studies** represents an examination of the concept of culture, as it is presently used within Anthropology, Folklore and Sociology. Particular attention will be paid to the area of Cultural Studies, and the ways in which that approach has re-energized an interest in the role of culture in modern society.

PR: completion of 90 credit hours or more and admission to Social/Cultural Studies

**4950 Independent Project in Social/Cultural Studies** is under the supervision of a faculty member and students will independently carry out approved projects of direct relevance to social and cultural phenomena, and prepare reports of their findings.

PR: SCCU 4000

## 13.29 Sociology

Sociology 1000 is a prerequisite for all further Sociology courses except Sociology 2250 and those cross-listed with Anthropology. Credit is not given for both Sociology 1000 and the former Sociology 2000. Before taking 3000-level courses, students should have taken at least 6 credit hours in courses below the 3000 level. Courses at the 4000 level will normally be taken by students who have previously taken at least 9 credit hours in courses at the 3000 level.

The following courses, cross-listed with Anthropology and identified by the prefix "S/A", are also taught at the introductory level: 2200, 2210, 2220, 2230, 2240, 2260, 2270, 2280, and 2350. A minimum of two of these courses is prerequisite to further cross-listed courses. These courses are open to be taken as first courses or may be taken to follow up a Sociology introductory course.

Sociology courses are designated by SOCI.

**1000 Introduction to Sociology** (same as the former SOCI 2000) is an introduction to the concepts, principles, and topics of Sociology. This course is a prerequisite to most departmental courses.

CR: the former SOCI 2000

**2100 Social Inequality** introduces the subject of social inequality and stratification, examines social inequality in historical perspective, reviews major theories about social inequality, and considers key social developments in contemporary societies in the area of social inequality.

**2120 Technology and Society** is an examination of the role of technology in society. Topics may include the emergence of modern technological society, the impact of new technologies on social organization and culture and the institutionalization of science and the production of scientific knowledge. The course also explores the ideological functions of science and technology in advanced industrial societies as well as the question of "the domination of nature".

**2200 Communities (S/A)** is an interdisciplinary examination of the concept of Community. Readings will include community studies from North America and Europe.

**2210 Communication and Culture (S/A)** is an examination of verbal and non-verbal systems of communication, and the influence of language on human cognition.

UL: not applicable towards the Major or Minor in Anthropology

**2220 Labrador Society and Culture** is the sociology and anthropology of Labrador. The focus is on social and cultural aspects of contemporary

Labrador.

**2230 Newfoundland Society and Culture (S/A)** (same as Folklore 2230) is the Sociology and Anthropology of the Island of Newfoundland. The focus is on social and cultural aspects of contemporary island Newfoundland.

CR: Folklore 2230

UL: not applicable towards the Major or Minor in Anthropology

**2240 Canadian Society and Culture (S/A)** is a descriptive and analytic approach to the development of Canadian society and culture.

UL: not applicable towards the Major or Minor in Anthropology

**2250 Changing World** is sociological analysis of contemporary world issues and social problems.

**2260 War and Aggression (S/A)** is critical review of ethological, psychological and sociological approaches to the understanding of violence and organized aggression.

**2270 Families (S/A)** is a comparative and historical perspective on the family as a social institution, the range of variation in its structure and the determinants of its development.

**2280 The City (S/A)** examines varieties of urban life around the world and through history. The city as habitat and as spectacle.

**2350 Religious Institutions (S/A)** (same as Religious Studies 2350) is comparative study of religious institutions and beliefs, calendrical feasts and solemnities, religious roles and hierarchies, ritual innovation and revitalization.

CR: Religious Studies 2350

UL: not applicable towards the Major or Minor in Anthropology

**2610 Socialization** - inactive course.

**3040 Introduction to the Methods of Social Research** has as its objectives (1) to introduce basic concepts underlying research in the social sciences, and (2) to make students familiar with some techniques that are useful in the analysis of a wide range of sociological data and that represent a good foundation for later study of more advanced techniques.

**3140 Social Movements (S/A)** examines the major social movements that have driven social changes related to gender equality, social justice, human rights, and the environment. The course asks why people become involved in social movements, and what factors contribute to movement success. The course also examines social movements' use of mass media and new media technologies as tools for reaching the public and provoking social and cultural transformation.

UL: not applicable towards the Major or Minor in Anthropology

**3150 Classical Social Theory** is an introduction to the work of major 19th- and early 20th-century social theorists including Marx, Durkheim, Weber and Freud.

**3160 Contemporary Social Theory** is an exploration of selected topics from issues in contemporary social theory, including theories of feminism, the state, the environment, culture, organization, and communication.

PR: SOCI 3150

**3210 Persistence and Change in Rural Society (S/A)** assesses the social and cultural significance of the rural experience in the face of expanding urbanism. Topics may include (a) the nature of rural society in Canada, (b) similarities between Canadian and European rural society, (c) utopian and anarchist movements in rural life, and (d) reaction of agricultural populations to external influence.

**3290 Deviance** is major sociological theories and methodological techniques central to the study of deviance and crime are outlined and evaluated. The distribution, attributes and explanations of a variety of forms of deviance are examined, which may include violence, sexual deviance, delinquency, addiction, mental disorder, theft, organized crime, political deviance and corporate deviance.

**3314 Gender and Society (S/A 3314)** is an examination of biological, psychological, social and cultural aspects of gender, with an emphasis upon contemporary directions of change in sex roles.

**3395 Criminal Justice and Corrections** provides an introduction to the operation of the Canadian criminal justice system. Topics to be examined may include the origin, nature and utilization of criminal law, policing, adult and juvenile courts, sentencing, correctional institutions, and community based corrections (probation, parole, community service). Criminal justice policy formulation and application are also discussed.

PR: SOCI 3290

**3731 Sociology of Culture** is a comparative examination of major contemporary sociological texts on the relationship between culture, broadly understood as symbolic systems, and social structure.

**4071 Social and Cultural Aspects of Health and Illness** covers topics which may include: cultural concepts of illness and health; theories of

disease causation; relationships between social life and illness patterns; symbolic use of illness; variations in philosophies of treatment and in practitioner/patient relationships; the social organization of medicine. Open to those without normal prerequisites by permission of the Instructor.

**4072 Social and Cultural Aspects of Death (S/A)** will cover topics which may include: symbolic meanings and values attached to death; cultural and historical variations in the management of death, e.g. treatment of the 'terminally ill', burial rites, the mourning process, and the social fate of survivors, together with the social and psychological meanings of these behaviours. Open to those without normal prerequisites by permission of the Instructor.

### 13.30 Theatre

Theatre courses are designated by THEA.

**1000 and 1001 Introduction to the History of Theatre I and II** are historical surveys of the art of the theatre. The history of theatre will be studied in terms of the evolution of performance and of the physical theatre from their origins in a variety of social rituals and contexts through to their present plurality of forms. At the same time, the nature and function of the various components of theatrical performance (acting, directing, design, etc.) will be analysed in terms of period philosophical, social, cultural, political and religious contexts. These courses are open to non-theatre students.

**1010 Introduction to Acting** is an appreciation of the fundamentals of the craft of acting. Basic exercises in voice, movement, relaxation and concentration, improvisation and script analysis will introduce the student to the imaginative and physical skills required by an actor. This is a basic course for both Acting and Technical Theatre Production majors.

AR: attendance is required  
OR: 6 hours of studio per week

**1020 Introduction to Technical Theatre Production** is an appreciation of the basic vocabulary and techniques of the various technical and organizational structures and practices of staging plays. Areas of concentration will include scenic and costume construction, basics in lighting, painting, props, sound and stage management. This is a basic course for both Acting and Technical Theatre Production majors.

AR: attendance is required  
OR: 6 hours of studio per week

**1110 Acting I** is an introductory course for those majoring in acting. Emphasis on voice, speech, movement and text analysis. Various learning methods will be employed, from sensitivity exercises to improvisation and creative imagination exercises. Participation in in-class performance is required.

AR: attendance is required  
OR: 6 hours of studio per week

PR: THEA 1000, THEA 1010, and THEA 1020 and admission to the Theatre Major

**1120 Technical Theatre Production I** is an introductory course for those majoring in Technical Theatre Production. Emphasis on the fundamentals of scenic carpentry, wardrobe, sound, lighting, crewing, painting and stage management.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 1000, THEA 1010, and THEA 1020

**1200 Concert Dance** is an overview of the basic techniques of Western concert dance such as jazz, ballet, and contemporary dance within their historical, cultural, and aesthetic contexts. The course develops basic body awareness and alignment and explores the basics of codified dance technique. This course is open to non-Theatre students.

AR: attendance is required  
OR: 3 hours of studio per week

**1250 Improvised Movement and Conditioning** is an exploration of the basic development of healthy physical practice for movement training including conditioning and improvisation. Students will investigate body awareness, anatomy, self-expression, dynamic alignment, and the basic principles of creating movement-based performances. This course is open to non-Theatre students.

AR: attendance is required  
OR: 3 hours of studio per week

**2010 and 2011 Acting II** are second level courses for Acting Majors. Emphasis is on speech, text analysis and scene study. Various techniques and texts will be employed to root the student in the fundamental process of acting. A beginning approach to understanding the body as an instrument and the techniques required to use the instrument.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 1001 and THEA 1110. THEA 2010 is a prerequisite for THEA 2011 and admission to the Acting Major

**2020 and 2021 Technical Theatre Production II** are second level courses

for the Technical Theatre Production Major. Emphasis is on the fundamentals of drafting, stage management and props development.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 1001 and THEA 1120. THEA 2020 is a prerequisite to THEA 2021

**2080 and 2081 Production Acting** both involve practical work in each case work for Acting Majors in a theatre department production.

AR: attendance is required  
CH: 4 credit hours each  
OR: 12 hours of studio per week  
PR: THEA 1110

**2090 and 2091 Production - Technical Theatre** both involve practical work for Technical Theatre Production Majors, in a departmental production in a supporting capacity (i.e. assistant stage manager, wardrobe assistant, etc.).

AR: attendance is required  
CH: 4 credit hours each  
OR: 12 hours of studio per week  
PR: THEA 1120

**3010 and 3011 Acting III** are intermediate level courses for the Acting Major. Continued emphasis on speech, voice production, text analysis, etc.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 2010 and THEA 2011, THEA 2080 and THEA 2081

**3020 and 3021 Technical Theatre Production III** are intermediate courses for Technical Theatre Production Majors. Continued emphasis on carpentry, painting, lighting, sound, wardrobe, stage management, etc.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 2020 and THEA 2021, THEA 2090 and THEA 2091

**3060 and 3061 Master Classes I and II (Technical Theatre Production)** are courses for Technical Theatre Production students with a guest artist in a particular area of specialization.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 2020 and THEA 2021. THEA 3060 is a prerequisite for THEA 3061

**3070 and 3071 Master Classes I and II (Acting)** are courses for Acting students with a guest artist in a particular area of specialization.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 2010 and THEA 2011. THEA 3070 is a prerequisite for THEA 3071

**3080 and 3081 Production - Acting** both involve practical work in each case work, for Acting Majors on a department of theatre production.

AR: attendance is required  
CH: 4 credit hours each  
OR: 16 hours of studio per week  
PR: THEA 2010 and THEA 2011, THEA 2080 and THEA 2081

**3090 and 3091 Production - Technical Theatre** both involve practical work, for Technical Theatre Production Majors on a departmental production in a significant capacity (i.e. stage manager, crew chief, head of props, etc.).

AR: attendance is required  
CH: 4 credit hours each  
OR: 16 hours of studio per week  
PR: THEA 2020 and THEA 2021, THEA 2090 and THEA 2091

**3605 Music Theatre Workshop** - inactive course.

**4001 Theatre Institute at Harlow** is a full semester's work, utilizing both the Harlow Campus and Grenfell Campus, comprising a "thesis production" involving fourth-year acting and stagecraft students in major responsibilities. A practical component in Theatre Criticism utilizing the resources of the Harlow Campus proximity to London and Stratford. A series of Master Classes, Workshops, Field Trips and Guest Lectures offered by members of the theatre profession in England. A project in a selected area of theatre history.

AR: attendance is required  
CH: 10  
PR: THEA 4010 or THEA 4020, THEA 4060 or THEA 4070, THEA 4080 or THEA 4090, THEA 4030, THEA 4040

**4010 Acting IV** is an advanced course for acting majors. Concentration on advanced scene study on texts illustrating period styles or genres of plays.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 3010 and THEA 3011, THEA 3080 and THEA 3081

**4020 Technical Theatre Production IV** is an advanced course for Technical Theatre Production Majors with individual concentration on specific technical skills.

AR: attendance is required

OR: 6 hours of studio per week  
PR: THEA 3020 and THEA 3021, THEA 3090 and THEA 3091

**4030 Theory of Directing and Design** is an examination and analysis of the nature and practice of directing and design from a theoretical and aesthetic perspective. A lecture/seminar course involving script analysis to examine the interpretive and imagistic processes of directors and designers.

OR: seminar 3 hours per week  
PR: THEA 3010 and THEA 3011 or THEA 3020 and THEA 3021, Visual Arts 2700 and Visual Arts 2701, and 18 credit hours in Dramatic Literature courses

**4040 Directed Studies** are student projects in playmaking, performance, directing, design or technical presentations supervised by faculty. In consultation with the faculty, the student will submit a proposal for a project on which the student wishes to work. These projects will be presented in public.

OR: 6 hours of studio per week  
PR: THEA 3010 and THEA 3011 or THEA 3020 and THEA 3021 and admission to the Theatre Major

**4060 Master Class III (Technical Theatre Production)** is advanced work with a guest artist in a particular area of specialization.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 3060 and THEA 3061

**4070 Master Class III (Acting)** is advanced work with a guest artist in a particular area of specialization.

AR: attendance is required  
OR: 6 hours of studio per week  
PR: THEA 3070 and THEA 3071

**4080 Production-Acting** is work for Acting Majors on a theatre department production.

AR: attendance is required  
CH: 4  
OR: 20 hours of studio per week  
PR: THEA 3010 and THEA 3011, THEA 3080 and THEA 3081

**4090 Production - Technical Theatre** is practical work for Technical Theatre Production Majors on a departmental production in a significant and leading capacity (i.e. designer, stage manager, technical director, etc.).

AR: attendance is required  
CH: 4  
OR: 20 hours of studio per week  
PR: THEA 3020 and THEA 3021, THEA 3090 and THEA 3091

## 13.31 Tourism

Tourism courses are designated by TRSM.

**1000 Introduction to Tourism** introduces students to the history of tourism and leisure, and the development of the field of tourism studies. This will include consideration of foundational concepts such as culture and nature, research on the needs and gratifications of tourists, and studies of the functions of tourism.

**2000 Tourism and Sustainability** investigates the concept of sustainability and focuses on the importance of sustainable tourism initiatives, covers measuring the demand for tourism, the role of government and industry stakeholders in the tourism planning process, and a consideration of how tourism planning strategies are developed, implemented, evaluated, and controlled. In addition, there will be an examination of the principles that structure the tourism industry.

PR: TRSM 1000 or permission of the instructor

**3010 Issues in Ecotourism** - inactive course.

**3230 Parks and Protected Areas** examines the history and geography of national parks and other publicly protected lands, and considers the impact of human interaction with landscapes. Additionally, the course will focus on tourism planning and management in national parks and protected areas, and investigate guidelines for best practice in tourism operations.

PR: TRSM 1000 or permission of the instructor

**3240 Cultural and Heritage Tourism Development** considers built, natural and cultural resources for heritage tourism destinations on a variety of scales from World Heritage Sites to countryside and rural tourism attractions. Issues around the international context of heritage, interpretation, and packaging of cultural heritage products, regional identities and environments and the importance of small and medium sized enterprises are examined.

PR: TRSM 1000 or permission of the instructor

**3900 Global Issues and Tourism** highlights the importance of responding to world issues in tourism, and considers issues around socio-political-environmental factors influencing tourism, the impact of new social movements on tourism, the demographics and psychographics of travellers, the promotion of culture and territories, and the globalization of tourism.

PR: TRSM 1000 or permission of the instructor

**4010 Community and Cultural Issues in Tourism** - inactive course.

**4900-4910 (Excluding 4902) Special Topics in Tourism** is a case-based course focussing on the application of major tourism theories and concepts to modern tourism industry issues. Potential areas of consideration include transportation issues in tourism, visitor management, rural tourism, urban tourism, health tourism and therapeutic recreation, island tourism, critical regionalism, maximizing the year-round potential of tourism, and contemporary research in tourism.

PR: at least 75 credit hours or permission of the instructor

**4902 Culinary Tourism** examines the history of gastronomy and the role of food in cultural heritage with different case studies around the world. Wine growing regions from countries such as Canada, France, Italy, Hungary, South Africa, Greece, and Cyprus will be critically analyzed from an economic impact context. Trends in cuisine and culinary arts, successes and challenges in promoting food tourism in Newfoundland food and drink in literature, art and film, and food and wine tourism best practices will be a key focus. The students will be required to take local tours of selected restaurants and wineries in Newfoundland for practical exposure of the food and wine industry.

PR: at least 75 credit hours or permission of the instructor

## 13.32 University

**1010 The University Experience** introduces students to the different modes of enquiry that one finds in the University, the interrelatedness of knowledge and the role of the University in society. It also provides students with tools and techniques of study and research that can lead them to academic success and fulfilling career.

## 13.33 Visual Arts

Visual Arts courses are designated by VART.

### 13.33.1 1st Year

**1000 Introduction to Two-Dimensional Art Practices** provides an introduction to two-dimensional art practices with selections made from drawing, painting, and printmaking. Design elements and principles, aesthetic concerns, the study of colour, and fundamental concepts of a variety of two-dimensional media, materials and processes will be explored. Ways of describing, analyzing, interpreting and assessing art will be examined. This course is open to both visual arts and non-visual arts students.

AR: attendance is required  
CO: VART 1911  
CR: the former VART 1510 and the former VART 1511  
OR: 4 hours of studio per week

**1001 Introduction to 3D, Photo and Time-based Art Practices** provides an introduction to 3D, photo and time-based art practices with selections from sculpture, installation, photo-media, time-based art and related practices. Design elements and principles, postmodern strategies, aesthetic concerns, and fundamental concepts of a variety of media, materials, and processes will be explored. Ways of appreciating art and artistic processes will be examined. This course is open to both visual arts and non-visual arts students.

AR: attendance is required  
CO: VART 1911  
OR: 4 hours of studio per week

**1010 Introduction to Drawing** introduces the fundamentals of drawing with study of line, tone, shape, volume, form, texture and space. This course includes practice-based research methodologies.

AR: attendance is required  
CO: VART 1911  
CR: the former VART 1500  
OR: 4 hours of studio per week

**1110 Painting: Colour, Materials, and Processes** introduces the concepts, principles, and processes of painting. Students will be introduced to paint mediums, materials, and tools with a focus on colour, all within the context of contemporary art practices.

AR: attendance is required  
CO: VART 1911  
OR: 4 hours of studio per week

**1210 Introduction to Sculpture** introduces the exploration of three-dimensional form, sculpture materials and processes, and of the organization of relationships and interactions between objects and space.

AR: attendance is required  
CO: VART 1911  
OR: 4 hours of studio per week

**1310 Printmaking: Relief and Screenprinting** introduces visual language



and concepts in conjunction with printmaking methods, materials and techniques via projects in relief and screenprinting.

AR: attendance is required  
CO: VART 1911  
OR: 4 hours of studio per week

**1410 Photography** introduces the theory and technique of photography using the digital camera and its controls and incorporating the use of Photoshop for photography. The course also introduces theories and genres of photographic vision, the use of the medium to explore a personal vision, image editing, and service bureau printing.

AR: attendance is required  
CO: VART 1911  
CR: the former VART 2400  
OR: 4 hours of studio per week

**1522 Textile and Fibre Art** explores various textile and fibre materials and processes used in contemporary art studio practice.

AR: attendance is required  
CO: VART 1911  
CR: the former VART 1520  
OR: 4 hours of studio per week

**1610 Introduction to Computers and Art** provides an initial exploration of how computational technology can be a creative tool applied to all creative practices involving the essential applications for imaging and dissemination. The course includes but is not limited to, vector illustration, photo manipulation, digital painting and use of presentation technologies. A key notion in this course is that of personal workflow approaches.

AR: attendance is required  
CO: VART 1911  
OR: 4 hours of studio per week

**1810 Introduction to Time-Based Art** introduces students to art practices that employ time, such as animation, video, sound art, and live art. This course may include attendance at screenings, performances, and/or visiting artist presentations outside of class time. This course includes practice-based research methodologies.

AR: attendance is required  
CO: VART 1911  
OR: 4 hours of studio per week

**1911 Fine Arts Health and Safety** provides an overview to the culture and practice of health and safety in studio courses, as well as giving students information that will help them succeed at Grenfell Campus. This component is delivered through a series of workshops, demonstrations, lectures, and online training. The course includes: WHMIS, Personal Protective Equipment, art materials safety, basic First-Aid, studio protocols, tours and lectures to acquaint students with campus resources, and the purchase of a safety kit, WHMIS fees, and a course manual. This course is a co-requisite for all 1000 level studio courses. This is a pass/fail course and requires attendance at all sessions and completion of all online components.

AR: attendance is required  
CH: 0  
OR: 12 contact hours and supplementary online components

### 13.33.2 2nd Year

**2010 Drawing** explores drawing through a range of materials, processes, and concepts. This course leads toward the investigation of student-initiated ideas and concepts, as well as comprehension of drawing in contemporary practices. Some drawing fundamentals are also covered. This course includes practice-based research methodologies.

AR: attendance is required  
CR: the former VART 2000 and the former VART 2001  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2011 Expanded Field** explores the territory beyond conventional boundaries of discipline-based practices.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2110 Painting: Process and Materiality** introduces painting with emphasis on materials, processes and ideas within a contemporary painting context.

AR: attendance is required  
CR: the former VART 2100 and the former VART 2101  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2111 Painting: Themes and Practices** emphasizes thematic development and practice in painting. This course includes practice-based research methodologies.

AR: attendance is required  
CR: the former VART 2100 and the former VART 2101  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2210 Sculpture I** develops accurate and expressive control of three-dimensional media with an emphasis on areas such as formed sculpture and installation/site-specific sculpture.

AR: attendance is required  
CR: the former VART 2200  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2211 Sculpture II** develops accurate and expressive control of three-dimensional media with an emphasis on areas such as carved sculpture and constructed sculpture.

AR: attendance is required  
CR: the former VART 2201  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2311 Intaglio Printmaking** provides intensive exploration of Intaglio Printmaking materials and media applied to development of visual communication skills, conceptual breadth and personal expression. This course is normally offered in alternating years.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2321 Lithographic Printmaking** provides intensive exploration of Lithographic Printmaking materials and media applied to development of visual communication skills, conceptual breadth and personal expression. This course is normally offered in alternating years.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2330 Print Media** introduces contemporary printing technologies as applied to the development of personal expression. The course is designed to develop the students' critical awareness of print media while building technological, conceptual and visual communication skills. Technologies to be introduced include integration of computer or digital processes and photomechanical methods.

AR: attendance is required  
CR: the former VART 3300  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART including 3 credit hours from any of VART 1310, 1410, 1610, 2311, 2321, 2410, 2411, 2610, 2611

**2410 Photography I** introduces students to film cameras, lenses, and their controls to produce film negatives for printing in the traditional black and white darkroom. Topics covered include negative scanning, large-format digital printing for exhibition, the use of Photoshop for photography, the examination of photo-theory, critical reading and critical evaluation of photographs. Students are encouraged to explore a personal vision. Studio time is balanced with regular illustrated lectures on the theory and history of the first century of photography.

AR: attendance is required  
CR: the former VART 3400  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

**2411 Photography II** continues the use of digital and/or film cameras to produce files and/or film negatives for printing in the traditional darkroom and/or digital lab. The theory and aesthetics of photography is addressed through critiques, readings and lectures. Students are encouraged to strengthen their personal vision. Studio time is balanced with regular illustrated lectures on the theory and history of the medium since the 1930's, with emphasis on contemporary photographic practitioners.

AR: attendance is required  
CR: the former VART 3401  
OR: 4 hours of studio per week  
PR: VART 2410

**2610 Introductory Projects in New Media** encourages individualized investigation in the potential and possibilities of New Media in the creation of personal artistic works. Techniques for working with vector and pixel based software are demonstrated with the goal of encouraging students to find their own particular approach to a New Media workflow applied to various mediums. Blended and alternative learning approaches are used.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 3 credit hours in VART

**2611 New Media - Motion and Media** explores motion as a tool for expression and visual practice. Students are instructed in the use of tools for editing sound and motion (e.g. video, animation) with the goal of studying motion as a medium independent from the tools for production. Initial readings on theories of affect are combined with technical demonstrations to enhance notions of cross-fertilization between approaches and practices. Blended and alternative learning approaches will be used.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 3 credit hours in VART

**2900-2909 Special Topics in Visual Arts** introduces a range of introductory topics that might include: Textile Practices, Japanese Woodblock, and Book Arts.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 24 credit hours in VART

### 13.33.3 3rd Year

**3110 Drawing/Painting Studio Art Practice** explores various approaches to contemporary drawing and painting practices. This course includes practice-based research methodologies.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 6 credit hours from any of VART 2010, VART 2011, VART 2110, VART 2111

**3210 Extended Practice in Sculpture, Space and Installation** develops independent artistic and personal expression utilizing areas of expression such as sculpture, definition and articulation of space and site; and the creation and presentation of three-dimensional media through the use of installation.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: VART 2210 and VART 2211

**3310 Extended Practice in Printed Multiples** hones skills in any of printmaking, print media, digital output, multiple producing print processes and printed matter while developing a self-directed body of work. The use of these processes will be selected by students in consultation with the instructor. Students can focus on the tradition of printmaking or print media or an interdisciplinary production. The creation of printed physical output is emphasized. This course includes practice-based research methodologies.

AR: attendance is required  
CR: the former VART 3301  
OR: 4 hours of studio per week  
PR: 3 credit hours chosen from VART 2311 or VART 2321, VART 2330, VART 2411

**3350 Directed Studies in Printmaking** is a professional work/study experience in Printmaking. Students will undertake their own projects in Printmaking. In addition, they will assist the Director and/or Master printer at St. Michael's Printshop in St. John's, NL in the day-to-day operations of the studio. Students are required to write a paper on an aspect of Printmaking as it pertains to St. Michael's Printshop. Normally this course is available during Spring Session only (May to mid-August) so that students can experience the complete summer activities scheduled at St. Michael's.

PR: 6 credit hours chosen from VART 1310, VART 2311, VART 2321 or VART 2330 and permission of the Program Chair

**3410 Extended Practice in Photography** continues exploration in photographic/digital output by creating self-directed, coherent bodies of work. These explorations build toward the production of suites, folios, and/or sequences in print installations, webpages, apps, and/or physical photobook. Independent practice and ongoing research of process, structure, content and sequence are major components of the term's work. This course includes practice-based research methodologies.

AR: attendance is required  
CR: the former VART 3401  
OR: 4 hours of studio per week  
PR: VART 2411

**3520 Intermediate Practice in Textile and Fibre Art** explores the expressive potential of textiles and fibre materials and processes.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 48 credit hours in VART

**3610 Computational Media** explores process-based New Media for the production of spectacle. Students produce an independent body of work using computational media (e.g. projection, audio, installation) to create experiences designed for an audience. Instrumental to this process is the study of New Media theory concurrent with the development of software/programming skills, allowing space for any and all tools of expression. Blended and alternative learning approaches are used. This course is normally offered in alternating years.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 48 credit hours in VART

**3611 Making Art in the Age of Theory** explores the intersection of creative practice and theory. Making artwork is a continuous exchange between studio practice and consideration of the social. Through the reading and discussion of influential texts and the exploration of related works and artists, students work with the tools of their choice to create art. Blended and alternative learning approaches are used. This course is normally offered in alternating years.

AR: attendance is required  
OR: 4 hours of studio per week

PR: 48 credit hours in VART

**3810 Intermediate Time-Based Practice** emphasizes concepts, media, and practices related to contemporary art that employ time. Students choose to work with performance, audio, video, relational art, interdisciplinary practices, new media and more. This course may include screenings, performances, and presentations and practice-based research methodologies.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 48 credit hours in VART

**3821 Open Studio** develops individual studio practice and research applied to the production of a self-directed body of work or project. Students work in a discipline or disciplines of their choice, or in an interdisciplinary way. Students define their research and creation based on a proposal, in consultation with their instructor. This course includes practice-based research methodologies.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 6 credit hours chosen from VART 3110, VART 3210, VART 3310, VART 3350, VART 3410, VART 3520, VART 3610, VART 3611, VART 3810

**3850 Experiential Learning: Community Engagement in the Arts** is a directed-studies course that provides students with the opportunity to apply their course-based knowledge in a community context. Under the guidance of their visual arts faculty supervisor, students work with a relevant community partner or on a community-based arts project. This course includes practice-based research methodologies.

AR: attendance is required  
PR: 48 credit hours in VART and permission of the Program Chair

**3900-3929 Special Topics in Visual Arts** introduces a range of intermediate topics that might include: Ideas of Landscape, Word and Image, Installation, Performance, Art and the Environment, Non-Silver Photographic Processes, Book Arts.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 48 credit hours in VART

### 13.33.4 4th Year

**4800 Senior Studio Seminar and Professional Practices I** focuses on building skills in the understanding and articulation of concepts, research, theory, and practice involved in studio work. There are reading, research and writing components, including a support document. The course covers topics in a range of professional practices needed in the visual arts field, including preparation for graduate school. Visual Arts faculty and visitors offer presentations specific to their areas of expertise.

OR: 4 hours of studio per week  
PR: 72 credit hours in VART

**4801 Senior Studio Seminar and Professional Practices II** continues the process of building skills in the understanding and articulation of concepts, research, theory and practice involved in studio work. Course components include reading, research, writing and preparation for the graduating exhibition. This course covers topics in a range of professional practices with a focus on preparation for a professional visual arts career. Visual Arts faculty and visitors offer presentations specific to their areas of expertise.

OR: 4 hours of studio per week  
PR: VART 4800

**4900-4929 Special Topics in Visual Arts** introduces a range of senior topics that might include: Photo Journalism, Art and Politics, Community Practices, Environmental Practices.

AR: attendance is required  
OR: 4 hours of studio per week  
PR: 48 credit hours in VART

**4950 Independent Senior Studio I** develops an independent body of work and a related practice-based research methodology component under the supervision of a visual arts faculty advisor. Students attend regular meetings with their faculty advisor. Students are required to submit work at two critiques with visual arts faculty other than the student's advisor. Students present the body of work and associated practice-based research methodology component to their advisor at the end of semester.

AR: attendance is required  
CO: VART 4800  
PR: 72 credit hours in VART

**4951 Independent Senior Studio II** produces an independent body of work and a related practice-based research methodology component under the supervision of a visual arts faculty advisor. Students attend regular meetings with their faculty advisor. Students are required to submit work at two critiques with visual arts faculty other than the student's advisor. Students present the final body of work and associated practice-based research methodology component to their advisor at the end of semester.

AR: attendance is required

CO: VART 4801  
PR: VART 4950

### 13.33.5 Art History

The prerequisite for all 3000-level courses is VART 2701 or History 1101 or permission of the Chair, Visual Arts.

No students shall register in any course having an initial digit "4" unless they have successfully completed at least 6 credit hours in Art History courses or by permission of the Chair, Visual Arts.

**2700 Art History Survey I** (same as History 2700) is the history of art from pre-historic times to the Renaissance.

CR: History 2700

**2701 Art History Survey II** (same as History 2701) is the history of art from the Renaissance to the twentieth century.

CR: History 2701

**3620 Philosophy of Art** is an introduction to aesthetics; applications in Visual Arts, music and drama.

CR: Philosophy 2360 or the former 3620

**3700 Art History: The Italian Renaissance** (same as History 3700) is an overview of the art and architecture of Renaissance Italy with an emphasis upon the historical context in which art was produced.

CR: History 3700

**3701 Art History: The Renaissance Outside Italy** (same as History 3701) is the Renaissance outside Italy from the late fourteenth century and the International style through the 16th century. As with the Italian Renaissance the art and architecture will be discussed in its historical context.

CR: History 3701

**3702-3721 Art History: Special Topics** has a range of special topics which might include: Early Renaissance Art, Art of the Later Renaissance, Canadian Art to 1900, 20th C. Canadian Art, American Art to 1900, History

Context and Modern Users.

**3820 Religion and the Arts** (same as Religious Studies 3820) is an examination of the role of art in the expression of religious ideas, together with a study of specific religious themes and concerns in one or more of the following: literature, film, music, painting, sculpture, and dance.

CR: Religious Studies 3820

PR: Religious Studies 2810 or permission of the Department of Religious Studies

**4700-4729 Art History: Special Topics** has a range of senior topics which might include: British Art and Architecture, Modern Art, Modern Art II, Aesthetics, 17th and 18th Century Art, 19th Century Art, Research Project in Modernism.

**4730 Art History: Modern Art I: Precursors to Modernism** (same as History 4730) is an examination of the cultural, social, and political forces which, from 1750 to 1850, were to have a major impact on modernity and later modern art.

CO: 6 credit hours in Art History or permission of the Chair of the Visual Arts program

CR: History 4730

PR: 6 credit hours in Art History or permission of the Chair of the Visual Arts program

**4731 Art History: Modern Art II: Early Modernism** (same as History 4731) is an examination of the various cultural and social forces between 1850 and 1914 which shaped the rise of the Modern movement.

CO: 6 credit hours in Art History or permission of the Chair of the Visual Arts program

CR: History 4731

PR: 6 credit hours in Art History or permission of the Chair of the Visual Arts program

**4740 Current Issues in Art** - inactive course.

**4741 Art Criticism** - inactive course.

