GRENFELL CAMPUS

GRENFELL CAMPUS

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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 General Information

Grenfell, a campus of Memorial University of Newfoundland, was established in September 1975. 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 until his death in 1940. In 2010, it was renamed Grenfell Campus, Memorial University of Newfoundland.

Four year degree programs in arts, science, business administration, fine arts, nursing and resource management may be completed at the Grenfell Campus. The Bachelor of Arts degree is available in English, environmental studies, historical studies, humanities, psychology, social/cultural studies and tourism studies and the Bachelor of Arts (Honours) may be obtained in psychology. The Bachelor of Science and Bachelor of Science (Honours) are offered in environmental science, general 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 visual arts and theatre. These programs are different from programs offered on the St. John's campus and most are available only at the Grenfell Campus.

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

Students have the option of completing distance and web-based credit courses offered by Distance Education, Learning and Teaching Support (DELTS) at Memorial University of Newfoundland. As well, the Division of Community Education and College Relations also offers a wide variety of non-credit courses to the students at the Campus and to the general public.

The Campus affords a spectacular view of the city of Corner Brook and the scenic Bay of Islands. The Arts and Science Building houses administrative and academic units, a bookstore, an athletics and recreation wing, a student residence and the Student Centre. The Library and Computing Building includes the Ferriss Hodgett Library, a computer lab and a high tech lecture theatre. The Fine Arts Building contains facilities for students of theatre and visual arts, the Campus community and the general public. It features a 225 seat "black box" 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 is a shared facility housing classroom, laboratory and research facilities for the Campus as well as the Newfoundland Division of the Canadian Forestry Service. All campus buildings are connected, mostly be skywalks.

Additional information regarding the Grenfell Campus is available at www.swgc.mun.ca/Pages/default.aspx.

2.1 Student Services

Student Services promotes the intellectual, social, spiritual, and physical development of all students. By advocating for students, providing the highest quality service and involving students in leadership roles, Student Services strives to help students realize their full potential - to become successful students, caring individuals, and productive citizens.

The department offers many programs and services which promote student development, such as student employment, leadership development, scholarships, orientation, recreation and wellness, academic support, and student housing.

Student Services is located in the Student Services Centre, AS234 at Grenfell Campus. Further information may be obtained by telephone to (709) 637-6232, or by e-mail at saffairs@swgc.mun.ca, or through the website at www.swgc.mun.ca/student.

2.2 The Learning Centre

One of the most utilized components of Student Services is the Learning Centre, the Grenfell Campus one-stop shop for academic support. Staff in the Centre assist students with career planning and provide writing and math help. The Learning Centre also offers Peer Tutoring and runs the Supplemental Instruction program.

The co-ordinator of the Learning Centre is also responsible for helping students who require accommodations because of a disability.

The Learning Centre is located in AS 235. Further information may be obtained by contacting the Centre by telephone to (709) 637-6268 or through the website at www.swgc.mun.ca/lcentre.

2.3 Student Housing

Student Housing currently offers accommodation for 400 students in a suite-style residence mainly for first year students and in chalet apartments for families and students beyond their first year. In our residence every two rooms form a suite, where two students share a fridge and bathroom. In each apartment, four students share a living room, kitchen and one-and-a-half baths, but as in the residence, each student has his/her 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.

The off-campus office assists students seeking accommodation in the Corner Brook area. An online database of boarding houses/ apartments is available. The office also offers services and programs throughout the year for students living off campus.

Further information may be obtained by telephone to (709) 637-6266, or by e-mail at resinfo@swgc.mun.ca, or through the website at www.swgc.mun.ca/swgc-res/, or at the Housing Office at Residence Room 221.

2.4 Recreation and Wellness

Grenfell Campus offers a distinctive program of recreation and wellness activities that contributes to the well being and personal and social development of students. The Campus has a 25 metre pool, a gymnasium and an outdoor multi-use court. Through a partnership with the Pepsi Centre, students are able to access a fitness facility, ice rinks and a walking track. Students also have the opportunity to use various recreational facilities on the west coast of this province. Students are able to participate in a variety of recreation programs such as intramural sports, step aerobics, and "learn to" programs that include activities like downhill skiing, kayaking and swimming.

Through a partnership with the Western Regional School of Nursing, a Wellness Centre operates at Grenfell Campus on a part-time basis during the academic year.

The role of the centre is to enhance education and awareness of various lifestyle, health and well-being issues relevant to students at university.

2.5 Grenfell Campus Student Union

The 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.

All full and part-time students pay GCSU fees and upon registration become members of the Grenfell Campus Student Union.

2.6 Counselling Services

The Campus has two professional counsellors available to assist students with their concerns. The counsellors provide a free and confidential service that includes career, academic, and personal counselling. The counsellors meet with their clients individually and assist them with a wide range of concerns. When necessary, the counsellors can arrange referrals to other professionals in the community.

2.7 Library

The Ferriss Hodgett Library is located on levels 2 and 3 of the Library and Computing Building, with seating for 203 users and includes group study rooms, audio-visual carrels and an information commons.

The Library holds over 120,000 books and 450 current subscriptions, along with collections of audio-visual materials, government documents, microforms and periodicals, and access to many e-journals and e-books.

A full range of public services is available including reference assistance, orientation tours and interlibrary loans, as well as access to electronic information resources, internet, spreadsheet, word processing and presentation software.

As a branch of the University Library, the Ferriss Hodgett Library also provides its users with access to the collections and services of all other Memorial University of Newfoundland libraries.

2.8 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 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.

3 Grenfell Campus Core Program Requirements

Students completing the Bachelor of Arts, Bachelor of Business Administration, Bachelor of Resource Management, and Bachelor of Science degree programs at Grenfell Campus must complete Core program requirements as follows:

1. **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 the table, **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.

2. **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 the table, **Designated Quantitative Reasoning and Analysis Courses (QRA)**.

3. **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.

   - Group A: Art History, Classics, English, History, Humanities, Languages, Philosophy, Religious Studies, Theatre, Visual Arts
   - Group B: Anthropology, Business, Economics, Education, Environmental Studies, Folklore, Geography, Human Kinetics and Recreation, Political Science, Psychology, Sociology, Sustainable Resource Management, Tourism Studies, Women's Studies
   - Group C: Biology, Biochemistry, Chemistry, Computer Science, Earth Sciences, Environmental Science, Mathematics, Physics, Science

3.1 Designated Writing Courses (W)

Anthropology: 2240, 2300, 2500, 3080, 3083, 3140, 3520, 3525, 4072, 4440
Biology: 2040, 2041, 2122, 2600
Business: 1210, 2000, 2010, 2210, 2808, 3310, 5220, 6500, 6800, 7000, 7010, 7025, 7050, and 7600
Chemistry: 2210
Classics: 1100, 1120, 1121, 1200, 2010, 2015, 2020, 2035, 2040, 2055, 2060, 2701, 2800, 2801, 3010, 3020, 3110, 3111, 3130
Earth Science: 2914, 2915
English: All English courses listed with the Grenfell Campus English Program and English 2010
Environmental Science: 2370, 2371, 3131, 3210, 3211, 3260, 4000, 4133, 4950, 4951, 4959
Environmental Studies: 4000, 4950
Folklore: 1000, 1050, 2000, 2300, 2401, 2500, 2600, 3130, 3200, 3300, 4072, 4440
Forestry: 3000, 3200
French: 2100, 2101, 2601, 2602, 3100, 3101
Geography: 2001, 2302
History: All History courses listed with the Grenfell Campus Historical Studies Program
Human Kinetics and Recreation (HKR): 2300, 3330, 3340, 3350, 3410
Humanities: 1001, 1002, 2002, 2001, 2002, 2010, 3001, 3002, 3010, 3020, 3021, 4001, 4010, 4950
Mathematics: 2130
Philosophy: 1001, 1200, 1600, 2200, 2220, 2230, 2551, 2561, 2581, 2701, 2702, 2800-2810, 3120, 3150, 3160, 3400, 3500, 3600, 3610, 3620, 3701, 3730, 3850, 3860, 3940, 4200-4790, 4200, 4250, 4700
Political Science: 1010, 1020, 2000, 2200, 2600, 2711, 3550, 3731
Psychology: 4910, 4925, 4950, 4951, 4959
Religious Studies: 1000, 1010, 1020, 2011, 2013, 2050, 2051, 2610, 3010, 3020, 3030, 3040, 3200, 3401, 3500, 3820, 3831,3840, 3880
Science: 3000, 3001, 4000, 4950, 4951, 4959
Social/Cultural Studies: 4000, 4100, 4950
Sociology: 2240, 2610, 3140, 3150, 3290, 3395, 4072
Sustainable Resource Management: 2000, 2001, 3000, 3001, 3002, 4001, 4002, 4003, 4010, 4950
Theatre: 1000, 1001
Tourism Studies: 1100, 2000, 3230, 3240, 3800, 4010, 4950
Visual Arts: 2700, 2701, 3620, 3700, 3701, 3702-3721, 3820, 4060, 4700-4729, 4730, 4731, 4740, 4741
Women's Studies: 2001
University: 1010

Note: *Courses will be designated Writing courses by the Academic Studies Committee. 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*

3.2 Designated Quantitative Reasoning and Analysis Courses (QRA)

Arts Philosophy 2210, 3110
Fine Arts None
Science Biochemistry 1430 Biology 2250, 2600 Chemistry (All courses with the exception of Chemistry 1900) Computer Science (All courses) Earth Science 2150 Environmental Science (All courses with the exception of: 1000, 2360, 2370, 2371, 3072 and 4000) Mathematics (All courses) Statistics (All courses) Physics (All courses)
Social Science Business 1101, 2101, 2400, 3101, 3401, 4500 and 5500 Economics 2010, 2020, 3150 Environmental Studies 2000 Geography 3222 Psychology 2925, 2950, 3950 Sociology 3040 Sustainable Resource Management 4000

Note: *Courses will be designated Quantitative Reasoning and Analysis by the Academic Studies Committee. 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.*

4 The Bachelor of Arts and Bachelor of Science Degree Programs

Grenfell Campus reserves the right to limit the number of spaces available in each Major/Minor program.

A student may not use the same course to satisfy the requirements for both a Major and a Minor.

Students may devise a Major/Minor of their own choosing in close consultation with a faculty advisor and with approval of appropriate head(s). Such "open" programs must be approved by the Academic Studies Committee.

Course prerequisites may be waived by division heads or program chairs of the disciplines or programs in question. In special circumstances the Academic Studies Committee may waive the requirements that apply to these degree programs.

Courses listed for a Major or for a Minor may require prerequisite courses not listed in the program requirements. Please consult all course descriptions for prerequisites.

4.1 General Regulations

For the Bachelor of Arts and Bachelor of Science degrees at Grenfell Campus students must complete a minimum of 120 credit hours made up of the following components:

1. Core Program Requirements (see above)
2. An approved concentration of courses known as a Major
3. An approved concentration of courses known as a Minor. A Minor is not required for interdisciplinary programs or for Bachelor of Science in Psychology. However, students in such programs may choose to complete a Minor
4. Elective courses

4.2 Major

1. The requirements for a Major can be fulfilled in one of two ways:
   a. minimum of 36 credit hours in a single discipline or
   b. minimum of 72 credit hours in an interdisciplinary area

   Students choosing a single discipline major (with the exception of Bachelor of Science in Psychology) must complete one of the following: (I) minor or (ii) with the permission of the appropriate program chair(s), a second major.

   Actual credit hours required for specific disciplines will vary.
2. 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.
3. A candidate must follow the specific requirements for each major program as set forth in the Grenfell Campus section of the University Calendar
4. Single discipline majors are available in following areas:

   Division of Arts: English, Historical Studies, Humanities
   Division of Social Science: Psychology (B.A. and B.Sc.); Tourism Studies

   Interdisciplinary majors are available in following areas:

   Division of Social Science: Environmental Studies, Social/Cultural Studies, Sustainable Resource Management
   Division of Science: Environmental Science, General Science

4.3 Minor

A minimum of 24 credit hours must be completed in a single discipline or interdisciplinary area other than that of the Major. Minors are available in the following areas:

Division of Arts: Classics, English, French, Historical Studies, Humanities, Philosophy, Religious Studies
Division of Social Science: Business, Canadian Studies, Economics, Environmental Studies, Folklore, Geography, Psychology, Social/ Cultural Studies, Sociology; Tourism Studies
Division of Fine Arts: Art History
Division of Science: Environmental Science, Mathematics, Science

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.

Any student enrolled in the Grenfell Campus B.A. Degree with a Major in English who has completed the B.F.A. (Theatre) Degree at Grenfell Campus will be considered to have fulfilled the requirements for a Minor in Theatre.

4.4 Electives

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:

1. Any courses in arts, social science, science and fine arts
2. Up to 15 credit hours in other subject areas.

4.5 Advice to Students on Planning a Program

When planning the sequence of courses for a Major or Minor Program, students should seek advice from the Office of the Registrar or the appropriate Division Office.

5 Regulations for the Honours Degrees of Bachelor of Arts and Bachelor of Science at Grenfell Campus

Programs are offered leading to the Honours Degrees of Bachelor of Arts 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 candidates 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.

5.1 Admission and Registration

1. Admission to the Honours degree is competitive and limited, depending upon available resources. Candidates 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 candidates can be admitted to the program.

   A candidate 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.

5.2 Majors

The Honours Degree of Bachelor of Arts is available in Psychology and the Honours Degree of Bachelor of Science is available in Environmental Science, General Science, and Psychology.

5.3 Course Requirements

Candidates 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 candidates are required to complete the Core Program requirements governing the Bachelor of Arts and Bachelor of Science degrees at Grenfell Campus.
2. All candidates 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 Academic Studies Committee. 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.

5.4 Program Regulations

Candidates 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.

5.5 Residence Requirements

To qualify for an Honours degree in Arts or Science, a candidate shall attend this University for a minimum of four semesters as a full-time student in the program of specialization except with the permission of the Academic Studies Committee.

5.6 Academic Standing

In order to graduate with an Honours degree, a candidate 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 Academic Studies Committee. 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)**, for explanation of the point system.)

5.7 Classification of Degrees

1. If a candidate's general average is 3.5 points or better per credit hour in required courses and his/her average is 3.5 per credit hour in the courses in the Honours subject (excluding 1000-level courses), the candidate shall be awarded an Honours degree with First Class standing.
2. If a candidate fulfils the conditions of 6.6 but not of clause 6.7, 1., the candidate shall be awarded an Honours degree with Second Class standing.
3. No classification will be given to the degree awarded a candidate who has completed (I) fewer than one half of the courses required for the degree at this University, or (ii) who has completed fewer than one half of the courses required for the degree at this University since 1959. All candidates for such degrees shall, however, fulfil the condition of paragraph 6 on the courses taken at this University since September 1959 in order to qualify for the degree.
4. A declared candidate for an Honours degree who fails to attain the academic standing specified in clause 6, 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)**.

In these regulations, all references to the Program Chair are to be read as "Program Chair or delegate".

6 Division of Arts

Bachelor of Arts General degrees only.

Majors are available in English, Historical Studies, Humanities.

Minors are available in Classics, English, Historical Studies, Humanities, Philosophy, Religious Studies.

6.1 Major in English Language and Literature

Program Chair: Dr. K. Jacobsen

The Major consists of 42 credit hours including an English Core and one of four possible concentrations.

6.1.1 English Core

1. English 1000 and 1001 or equivalent
2. English 2005, 2006, 2007, 3205 or 3206, 3395, 4105

6.1.2 Concentrations

Students must complete 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.

1. **Canadian Literature Concentration**

   English 2146, 4950 and 12 credit hours in Canadian Literature from the following selection: English 2155, 2156, 2905, 3145, 3147, 3148, 3149, 4307, 4825-35.

2. **Dramatic Literature Concentration**

   English 2350, 2351, 3275, 4950 and 6 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), 4302, 4305, 4307, 4308, 4316, 4317, 4836-44.

3. **Modern Literature Concentration**

   English 3215, 3216, 4950 and 9 credit hours in Modern Literature from the following selection: English 2215, 2242, 2243, 2705, 2805, 2870, 2905, 3810, 3275, 3905, 4245, 4246, 4302, 4305, 4308, 4905.

4. **Combined Concentration**

   A total of 18 credit hours from English Concentration Courses which must include:

   a. 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.

   b. At least 3 credit hours from each of the other two concentrations.

6.2 Major in Historical Studies

Program Chair: Dr. O.U. Janzen

The Major consists of a minimum of 42 credit hours in History courses and 15 additional credit hours drawn from a prescribed list of courses from other disciplines.

The student must complete:

1. History 1100, 1101, 3840 and 4950.
2. Twelve credit hours from courses in each of the two following categories:
   a. **Early Western History**
      History/Classics 2035, 2040, 3090
      History 2100, 2200, 2300, 2320, 2330, 3050, 3110, 3135, 3320, 3445, 3760
      History/Anthropology 3520
      History/Art History 2700, 3700, 3701
   b. **Later Western History**
      History 2120, 2210, 2310, 2500, 3060, 3120, 3250, 3440, 3460, 3490, 3770, 3800-3830
      History/Art History 2701
      History/Anthropology 3525
      History/Economics 3630
3. Six credit hours in 4000-level History courses. Prerequisite: At least six credit hours at the 3000 level, or permission of the Chair.
4. Fifteen credit hours chosen from:

   Anthropology 1031
   Economics 2010
   Economics 2020
   English 2005
   English 2006
   English 2007
   Folklore 1000
   Folklore 1050
   Folklore 2401
   French 1501
   French 1502
   French 2100
   French 2101
   French 2601
   French 2602
   Geography 1000
   Geography 1001
   Geography 2001
   Philosophy 1600
   Philosophy 2701
   Philosophy 2702
   Philosophy 3400
   Political Science 1000
   Political Science 2000
   Political Science 2500
   Religious Studies 2013
   Religious Studies 2050
   Religious Studies 2051
   Sociology 2000
   Sociology 3040
   Sociology 3150

   Note: *These are courses that are thematically or methodologically relevant to the study of History (students may be allowed to take others with permission of the Program Chair). Applicable courses used to satisfy the Minor requirements may also be counted as Historical Studies credits. No more than 6 credit hours from any one discipline will be counted toward Historical Studies Major.*
5. Students will normally be allowed to register in History courses having the initial digit '3' only after they have successfully completed 6 credit hours in courses having the initial digit '2'.
6. Students are required to take 6 credit hours in history (in addition to History 1100/1101) or have permission of the instructor before enrolling in any fourth-year history course.

6.3 Major in Humanities

Program Chair: Dr. L. Sherlow

The Major consists of 45 credit hours as follows:

a. 39 credit hours (Humanities 1001, 1002, 2001, 2002, 2010, 3001, 3002, 3010, 4001, 4010, 4950; one of 3100-3109; one of 4020-4029).
b. Language requirement: 6 credit hours in a single language other than English.

6.4 Minor Programs - Division of Arts

All minor programs require 24 credit hours

1. **Classics Minor:**
   a. Classics 1100 and 1200
   b. Classics 2035 and 2040
   c. Three credit hours at 3000 level
   d. Nine additional credit hours in Classics

2. **English Minor:**
   a. Six credit hours at 1000 level in English
   b. Six credit hours chosen from English 2005, 2006 and 2007
   c. Three credit hours chosen from English 3205 or 3206
   d. Nine additional credit hours in English electives; 3 credit hours must be chosen from courses having an initial digit "3" or "4"
3. **French Minor:**

   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.
   a. French 2100 and 2101 or French 2159 and 2160
   b. French 3100 or French 3101
   c. 15 additional credit hours in French
4. **Historical Studies Minor:**
   a. History 1100 and 1101
   b. History 3840
   c. Three credit hours at 3000 level in History
   d. Three credit hours at 4000 level in History
   e. Additional 9 credit hours in History
5. **Humanities Minor:**
   a. Humanities 1001 and 1002
   b. Six credit hours from Humanities 2001, 2002 or 2010
   c. Twelve credit hours from Humanities 3001, 3002, 3010, 3020, 3021, 4001, 4010; one of 3100-3109; one of 4020-4029
6. **Philosophy Minor:**
   a. Philosophy 2701 and 2702
   b. Three credit hours from following list: Philosophy 3730, 3740, 3800, 3840, 3850, 3860
   c. 15 additional credit hours in Philosophy
7. **Religious Studies Minor:**

   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.

7 Division of Social Science

Bachelor of Arts (General) degrees are available with Majors in Environmental Studies, Psychology, Social/Cultural Studies, and Tourism Studies. Bachelor of Arts (Honours) degree is available in Psychology. A Bachelor of Business Administration and a Bachelor of Resource Management is also available.

Bachelor of Science (General and Honours) degrees are available in Psychology.

Minors are available in Business, Canadian Studies, Environmental Studies, Folklore, Geography, Psychology, Social/Cultural Studies, Sociology, and Tourism.

An articulation agreement has been established with the College of the North Atlantic for graduates of the two-year Adventure Tourism Diploma Program who wish to obtain a Bachelor of Arts degree (Major in Environmental Studies).

7.1 Major in Environmental Studies

Program Chair: Dr. G. Sabau

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

1. **Environmental Studies Core**

   Students must complete the following courses:

   Economics 2010
   Environmental Studies 1000
   Environmental Studies 2000 (strongly recommended for the Biology Stream of the Environmental Science Program)
   Environmental Studies 3000
   Environmental Studies 3001
   Environmental Studies 4010
   Environmental Studies 4950
   Geography 1000
   Geography 3222
   Philosophy 2561
2. **Environmental Studies Concentrations**

   Students must complete 42 credit hours in one of the following concentrations:

   a. **Environmental Perspectives Concentration**

      Forty-two credit hours at least 15 of which must be at the 3000 or 4000 level:

      Anthropology 3080
      Anthropology 3083
      Biology 1001 and 1002
      Biology 2041
      Biology 2600
      Chemistry 1001
      Chemistry 1200
      Earth Sciences 1000
      Earth Sciences 1002

Environmental Science 2261
Environmental Science 2360
Environmental Science 2370
Environmental Science 2371
Environmental Studies 4000
Environmental Studies 4020-4039
Folklore 2401
Folklore 2600
Forestry 1010 and 1011
Geography 1001
Geography 2001
Geography 2102
Geography 2302
Geography 2425
Political Science 3550
Political Science 3731
Religious Studies 3880
Sociology 2120
Geography 4405

b. **Outdoor Environmental Pursuits Concentration**

i. Environmental Studies 2210, Environmental Studies 2220, Environmental Studies 3210, Human Kinetics and Recreation (HKR) 3555, and Human Kinetics and Recreation (HKR) 4555

ii. Twenty-seven credit hours from the following of which at least 9 credit hours must be at the 3000 or 4000 level:

Anthropology 3083
Biology 1001 and 1002
Biology 2041
Biology 2600
Chemistry 1001
Chemistry 1200
Earth Sciences 1000
Earth Sciences 1002
Environmental Science 2261
Environmental Science 2360
Environmental Science 2370
Environmental Science 2371
Environmental Studies 4000
Environmental Studies 4020-4039
Folklore 2600
Forestry 1010 and 1011
Geography 1001
Geography 2102
Geography 2425
Human Kinetics and Recreation (HKR) 3565
Human Kinetics and Recreation 4575
Political Science 3731
Religious Studies 3880

7.2 Major in Psychology - B.A. and B.Sc.

Students completing this program cannot receive credit for Psychology 2920.

Program Chair: Dr. S. Corbin-Dwyer

The Major in Psychology consists of a minimum of 45 credit hours in Psychology as follows:

1. Psychology 1000, 1001, 2925, 2950, 3950, 4910, 4925, and one of 4950 or 4951
2. At least 12 credit hours from: Psychology 2025, 2125, 2225, 2425, 2625, 2825
3. 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

Candidates for the Bachelor of Science degree with a Major in Psychology shall also complete an additional 36 credit hours as follows:

1. Six 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)
4. Nine 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
5. Nine additional credit hours chosen in any combination from the following subjects: Biochemistry, Biology, Chemistry, Computer Science, Earth Science, Environmental Science, Mathematics, Physics, Statistics

7.2.1 Requirements for Honours in Psychology

Students completing this program cannot receive credit for Psychology 2920.

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 **Regulations for the Honours Degrees of Bachelor of Arts and Bachelor of Science at Grenfell Campus**).

The following requirements govern the Bachelor of Arts (Honours) and the Bachelor of Science (Honours) degrees in Psychology:

1. **Course Requirements**

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

b. Candidates must also complete:
   i. Psychology 1000, 1001, 2025, 2125, 2225, 2425, 2625, 2825, 2925, 2950, 3950, 4910, 4925
   ii. Fifteen credit hours from Psychology 3025,3040 3125, 3126, 3225, 3226, 3325, 3425, 3525, 3625, 3626, 3627, 3628, 3725, 3825
   iii. A two-semester research project, Psychology 4951 and 4959.

c. Candidates for the Bachelor of Science (Honours) degree in Psychology shall also complete an additional 27 credit hours as follows:
   i. Six credit hours in Mathematics, which must include Mathematics 1000
   ii. Biology 1001 and 1002
   iii. Chemistry 1200 and 1001 OR Physics 1020 (or 1050) and 1021 (or 1051)
   iv. Nine 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 Science, Environmental Science or Physics.

2. **Honours Thesis**

   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.

7.3 Major in Social/Cultural Studies

Program Chair: Dr. M. Croll

The Major consists of 78 credit hours as follows:

Anthropology 1031, 2210, 3140, 3083, 3520
Folklore 1000, 2100, 2230, 2300, 2401
History 1100, 1101
Social/Cultural Studies 4000, 4100, 4950
Sociology 2000, 2120, 3040, 3150, 3314

Eighteen additional credit hours from Anthropology, Folklore, and Sociology

7.4 Major in Tourism Studies

Program Chair: Dr. R. Okech

7.4.1 Admission Modes and Requirements

Direct Entry (for High School Students)

Students may apply for admission into the first year of the Bachelor of Arts in Tourism Studies program (BA (TS)) directly from high school by indicating this in the appropriate place on their Undergraduate Application for Admission/Readmission to Memorial University of Newfoundland. Direct entry from high school is subject to the applicant''s final acceptance to the University.

Advanced Standing (for Current Memorial University of Newfoundland Students)

1. Students may apply for admission with Advanced Standing into the BA (TS) program. A student's placement within the program, and requirements needed to complete the program, will be determined on an individual basis at the time of admission. Students applying for admission with advanced standing must complete and submit the Application for Admission to the Chair of the Tourism Studies program. The deadline for submission of applications for consideration of admission is March 1 for Fall admission.
2. Admission with Advanced Standing is limited and competitive. The primary criterion used in reaching decisions on applications for admission with advanced standing is overall academic achievement. Selection, therefore, will be based on a student's overall academic performance.

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 acceptance of transfer students into the BA (TS) program is subject to the same conditions outlined under Advanced Standing (for Current Memorial University of Newfoundland Students) above.
2. Subject to item 2. under **Advanced Standing (for Current Memorial University of Newfoundland Students)** above, graduates of a three year community college tourism-related diploma program may also be considered for admission with advanced standing into the BA (TS) program. Specific course requirements will be determined on an individual basis at the time of admission.

Students may apply for admission with Advanced Standing into the BA (TS) program beyond Year 1.

Regulations for a Major in Tourism Studies

The Major consists of a Tourism core which provides a broad appreciation of the implications of tourism activity in the context of social, cultural and physical environments.

The Tourism Studies program requires a total of 120 credit hours.

1. Students must successfully complete 60 credit hours as follows:
   a. French 1501 and 1502
   b. Economics 2010 and 2020
   c. Business 1000;
   d. three credit hours chosen from Geography 3222, Psychology 2925, Sociology 3040, Statistics 2500, Statistics 2550
   e. Thirty-three credit hours in Tourism consisting of Tourism Studies 1000, 1100, 2000, 2201, 3100, 3240, 3800, 3900, 4010, 3 credit hours from 4900-4910, and 4950.
   f. Three additional credit hours in Tourism Studies electives taken at the 2000 level.
   g. Six additional credit hours in Tourism Studies electives taken at the 3000 or 4000 levels.
2. A minimum of 24 credit hours in an approved minor concentration area other than that of the Major.
3. Courses to make up the total of 120 credit hours, other than those required for the core program. Of these courses, not more than 6 credit hours shall be from courses in the Tourism Studies program.

7.5 Bachelor of Business Administration

Program Chair: J. Ryan

7.5.1 Regulations for the Degree of Bachelor of Business Administration (B.B.A.)

The Bachelor of Business Administration (B.B.A.) degree program at Grenfell Campus is designed to deliver a comprehensive foundation in the fundamental areas of business and decision making. Students also have an opportunity to further specialize in areas of contemporary business studies or small business and entrepreneurship.

7.5.2 Admission Modes and Requirements

7.5.2.1 Direct Entry (for High School Students)

Students may apply for admission into the B.B.A. program directly from high school by indicating this in the appropriate place on the Undergraduate Application for Admission/Readmission to Memorial University of Newfoundland . This form is available at the Office of the Registrar or online at www.swgc.mun.ca/regoff/Pages/Forms.aspx. Direct admission from high school is subject to the applicant's final acceptance to the University.

7.5.2.2 Advanced Standing (for Current Memorial University of Newfoundland Students)

Current Memorial University of Newfoundland students should select the B.B.A. program on Grenfell's DECLARATION/CHANGE ACADEMIC PROGRAM form, which must then be signed by the Business Program Chair. This form is available at the Office of the Registrar or online at www.swgc.mun.ca/regoff/Pages/Forms.aspx.

7.5.2.3 Transfers from Other Post-Secondary Institutions

1. Students who are transferring from other 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 acceptance of transfer students into the B.B.A. program is subject to the same conditions outlined under **Advanced Standing (for Current Memorial University of Newfoundland Students)** above.
2. Graduates of a community college business diploma program may also be considered for admission with advanced standing into the B.B.A. program. To be eligible for the Degree of Bachelor of Business Administration such students will be required to complete a minimum of 45 credit hours from Memorial University of Newfoundland. Specific course requirements will be determined on an individual basis at the time of admission.

7.5.3 The Curriculum

1. The Bachelor of Business Administration requires a total of 120 credit hours. Candidates for graduation must achieve a grade point average of at least 2.5 and an overall numeric average of at least 60% on those 120 credit hours.
2. Students must complete 75 credit hours as follows:
   a. Economics 2010 and 2020
   b. six credit hours in first year English which must include English 1110
   c. Mathematics 1000
   d. Statistics 2500
   e. Business 1000, 1101, 1210, 1600, 2010, 2101, 2210, 2400, 2700, 3310, 3401, 4000, 4050, 4320, 4330, 4500, 5301, 7000, and 7010

      Students who have received credit for both English 1000 and 1001 prior to Fall 2011 will not be required to complete English 1110.
3. Students must complete 15 credit hours from one of the following areas of concentration:
   a. **Contemporary Business Studies**
      i. 9 credit hours as follows: Business 3350, Business 5302, Business 7050
      ii. 6 credit hours chosen from: Business 3101, Business 5220, Business 5500, Business 5600, Economics 3150
   b. **Small Business and Entrepreneurship**
      i. 9 credit hours as follows: Business 5220, Business 5600, Business 7600
      ii. 6 credit hours chosen from: Business 3210, Business 6500, Business 6600, Business 6610, Business 7610
4. Students must complete an additional 30 credit hours to make up the total 120 credit hours required for the degree of B.B.A. When selecting these courses, students are reminded that the **Core Requirements** for a Grenfell degree program must be met. In addition, if students choose to complete a minor within the B.B.A. program, they are advised to choose their electives carefully so that they will also meet the requirements for the chosen Minor program as set forth in the University Calendar.

7.5.4 Minor from another Academic Unit

Students enrolled in the B.B.A. 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.

7.5.5 Recommended Course of Study for B.B.A. Curriculum

7.5.5.1 Contemporary Business Studies

- Depending on the level of preparation in Mathematics, students may be required to complete Mathematics 1090 as a prerequisite for Mathematics 1000.
- When choosing electives, students are reminded that **Core Requirements** for a Grenfell Campus degree program must be met. In addition, if students choose to complete a minor within the B.B.A. program, they are advised to select their electives carefully so that they will also meet the requirements for the chosen Minor program as set forth in the University Calendar.
- Concentration electives for Contemporary Business Studies must be selected from **The Curriculum**, 3a.

Contemporary Business Studies Table

Year 1 Business 1000 Economics 2010 Economics 2020 6 credit hours in first-year English which must include English 1110 Mathematics 1000 12 credit hours in non-business elective courses	**Year 3** Business 2400 Business 2700 Business 3350 Business 3401 Business 4000 Business 4320 Business 4330 Business 4500 3 credit hours from concentration electives 3 credit hours in other elective courses
Year 2 Business 1101 Business 1210 Business 1600 Business 2010 Business 2101 Business 2210 Business 3310 Statistics 2500 6 credit hours in elective courses	**Year 4** Business 4050 Business 5301 Business 5302 Business 7000 Business 7010 Business 7050 3 credit hours from concentration electives 9 credit hours in other elective courses

7.5.5.2 Small Business and Entrepreneurship Concentration

- Depending on the level of preparation in Mathematics, students may be required to complete Mathematics 1090 as a prerequisite for Mathematics 1000.
- When choosing electives, students are reminded that **Core Requirements** for a Grenfell Campus degree program must be met. In addition, if students choose to complete a minor within the B.B.A. program, they are advised to select their electives carefully so that they will also meet the requirements for the chosen Minor program as set forth in the University Calendar.
- Concentration electives for Contemporary Business Studies must be selected from **The Curriculum**, 3a.

Small Business and Entrepreneurship Concentration Table

Year 1 Business 1000 Economics 2010 Economics 2020 6 credit hours in first year English which must include English 1110 Mathematics 1000 12 credit hours in non-business elective courses	**Year 3** Business 2400 Business 2700 Business 3401 Business 4000 Business 4320 Business 4330 Business 4500 Business 5220 3 credit hours from concentration electives 3 credit hours in other elective courses
Year 2 Business 1101 Business 1210 Business 1600 Business 2010 Business 2101 Business 2210 Business 3310 Statistics 2500 6 credit hours in elective courses	**Year 4** Business 4050 Business 5301 Business 5600 Business 7000 Business 7010 Business 7600 3 credit hours from concentration electives 9 credit hours in other elective courses

7.6 Bachelor of Resource Management

Program Chair: Dr. R. Scott

7.6.1 Regulations for the General Degree of Bachelor of Resource Management

The program consists of a Sustainable Resource Management core which provides an interdisciplinary understanding of management activities within the context of the physical, social and economic environments.

The program requires a total of 120 credit hours as follows:

1. The interdisciplinary Major in Sustainable Resource Management consisting of 84 credit hours.

a. Biology 1001, 1002, 2600
b. Chemistry 1200 and 1001, or equivalent
c. Economics 2010
d. Environmental Studies 2000, 3000, 3001, 4000
e. Geography 1000, 1001, 2425
f. Sustainable Resource Management 2000, 2001, 3000, 3001, 3002, 4000, 4001, 4003, 4010, 4950
g. One of Philosophy 2561, Religious Studies 3880, Political Science 3550
h. Two of Environmental Science 2371, Environmental Science 2369, Biology 2010, Biology 2122, Biology 2210
i. Statistics 2500
j. One of Environmental Science 3072, 3110, 3130, 3131, 4132, Earth Science 3811

2. 6 credit hours in first-year English
3. 30 credit hours in elective courses. When selecting electives, students are reminded that the **Core Requirements** for a Grenfell Campus degree program must be met.

7.7 Minor Programs - Division of Social Science

Minor programs require 24 credit hours

1. **Minor in Business**
   a. Students completing a minor in Business must declare their intent to do so on the Grenfell's DECLARATION/CHANGE ACADEMIC PROGRAM form, which then must be approved by the Chair of the Business Program. This form is available at the Office of the Registrar or online at www.swgc.mun.ca/regoff/Pages/Forms.aspx.
   b. A minor in Business consists of 24 credit hours. Students must complete 18 credit hours as follows: Business 1000, 1101, 1210, 3310, 4500, and 7010. The remaining 6 credit hours must be chosen from Business 1600, 2101, 2210, 3350, 4000, 4050, 4320, or the former 7302.
   c. Course prerequisites to all Business courses will apply to a Business minor. Students should note, for example, that the prerequisites for Business 4500 are Business 1101, Statistics 2500 and Economics 2010, and that enrolment in Business 7010 requires permission of the Chair of Business. It should also be noted that some courses are not offered every semester.
2. **Canadian Studies Minor**

   A Minor in Canadian Studies shall consist of 24 credit hours as follows:
   a. Fifteen 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
      Political Science 2710
      Political Science 2711
      Sociology/Anthropology 2240
   b. Nine 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
      History 3525/Anthropology 3525
      History 4254
      Political Science 3731
      Sociology 3395
3. **Economics Minor:**
   a. Economics 2010, 2020, 3000, 3010
   b. Twelve additional credit hours in Economics of which at least 6 must be at the 3000 or 4000-level
4. **Environmental Studies Minor:**
   a. Environmental Studies 1000 and 9 credit hours from those designated as Environmental Studies core courses
   b. Twelve credit hours from one of the Environmental Studies concentrations or a combination of courses taken from both concentrations. The courses chosen must be chosen from at least three subject areas.
5. **Folklore Minor:**
   a. Folklore 1000, 2100, 2300, 2401, 2500
   b. Nine additional credit hours in Folklore
6. **Geography Minor:**
   a. Geography 1000, 1001, 2001, 2102, 3222
   b. Nine additional credit hours in Geography; at least 6 credit hours of which must be at the 3000 or 4000 level.

7. **Psychology Minor:**
   a. Psychology 1000, 1001
   b. Eighteen credit hours in Psychology at the 2000 level or above
8. **Social/Cultural Studies Minor:**
   a. Anthropology 1031, Sociology 2000, Folklore 1000
   b. Anthropology 2410 or Sociology 3150
   c. Folklore 2100 or Sociology 3040
   d. Three additional credit hours in each of Anthropology, Folklore, and Sociology
9. **Sociology Minor:**
   a. Sociology 2000, 3040, 3150
   b. Fifteen credit hours in Sociology; at least 6 credit hours must be at the 3000 or 4000 level
10. **Tourism Studies Minor:**
    a. Students who are completing degrees in Arts, Science, and/or Business Administration may complete a minor in Tourism Studies.
    b. Students who wish to undertake the Tourism Studies minor program must have completed a minimum of 18 credit hours. Application is made in the space provided on the Change of Academic Program Form, which must then be approved by the Chair of the Tourism Studies program. Admission into the minor program is limited and competitive.
    c. A minor in Tourism shall consist of 24 credit hours comprising the following courses: Tourism 1000, 1100, 2000, 3100, 3900, 3 credit hours chosen from a 2000-level or 3000-level Tourism elective, 3 credit hours chosen from a 4000-level Tourism course, and three credit hours chosen from Geography 3222, Psychology 2925, Sociology 3040, Statistics 2500, Statistics 2550.
    d. Course prerequisites to all Tourism courses shall apply to a Tourism Studies minor.
11. **Advanced Diploma in Tourism Studies**:

    The Advanced Diploma in Tourism Studies is designed for individuals already possessing a post-secondary diploma or degree in any relevant field who wish to acquire the knowledge and skills required to work in today's tourism industries. The program will benefit individuals from a wide variety of backgrounds including, Business, Environmental Science, Environmental Studies, Fine Arts, Historical Studies, Social/Cultural Studies, and Sustainable Resource Management (proposed).
    a. Students who wish to undertake the Advanced Diploma in Tourism Studies must have completed a post-secondary diploma or degree in any field, or possess at least five years of full-time, relevant work experience or equivalent. Application is made in the space provided on the Change of Academic Program Form, which must then be approved by the Chair of the Tourism Studies Program. Admission into this program is limited and competitive.
    b. The Advanced Diploma in Tourism Studies shall consist of 30 credit hours comprising the following courses: Tourism 1000, 1100, 2000, 3100, 3900, 12 credit hours chosen from a 2000-level or 3000-level Tourism electives, and 3 credit hours chosen from a 4000-level Tourism course.
    c. Prerequisites for all Tourism courses may be waived after consultation with, and permission of, the Chair of the Tourism Studies program.

7.8 Articulation Agreements With the College of the North Atlantic

Students who have graduated from the two-year Adventure Tourism Diploma Program offered by the College of the North Atlantic, or who are in their final semester of this program, can apply for entry with advanced standing into the Bachelor of Arts Degree (B.A.) with a Major in Environmental Studies or Tourism Studies offered by Grenfell Campus. Students who have graduated from the two-year Hospitality Management Diploma Program offered by the College of the North Atlantic, or who are in the final semester of this program can apply for entry with advanced standing into the B.A. degree, Major in Tourism Studies, offered by Grenfell Campus.

7.8.1 Environmental Studies Major for Graduates of the Two-Year Adventure Tourism Diploma Program

Students who are entering the Environmental Studies Program will be given a total of 60 credit hours towards the 120 credit-hour degree program. Of the 60 credit hours, students taking the Outdoor Environmental Pursuits Concentration will receive credit for EVST 2210, EVST 2220, EVST 3210, HKR 3555, and HKR 4555 as well as 18 unspecified credit hours towards the concentration requirements. Of the 60 credit hours, students taking the Environmental Perspectives Concentration will receive 21 unspecified credit hours towards the concentration requirements.

Students will receive 3 credit hours for unspecified writing courses, 6 unspecified credit hours towards the Group B and 6 credit hours towards Group C breadth of knowledge requirement. The remaining credit hours will be deemed to be unspecified electives.

In addition to the general requirements for the Grenfell Campus B.A. degree, students will be required to complete the following requirements for the Environmental Studies major:

Environmental Studies Core

Economics 2010
Environmental Studies 2000
Environmental Studies 3000
Environmental Studies 3001
Environmental Studies 4010
Environmental Studies 4950
Geography 3222
Philosophy 2561

Additional Requirements Based on Concentration

For Students taking the Outdoor Environmental Pursuits Option:

Fifteen credit hours of the following courses of which at least 9 credit hours must be at the 3000 or 4000 level:

Anthropology 3083
Biology 1001 and 1002
Biology 2041
Biology 2600

Chemistry 1001
Chemistry 1200
Earth Sciences 1000
Earth Sciences 1002
Environmental Science 2261
Environmental Science 2360
Environmental Science 2370
Environmental Studies 4020-4039
Environmental Studies 4000
Folklore 2600
Forestry 1010 and 1011
Geography 1001
Geography 2102
Geography 2425
Political Science 3731
Religious Studies 3880

For Students taking the Environmental Perspectives Concentration:

27 credit hours of the following courses of which 18 must be at the 3000 or 4000 level:

Anthropology 3080
Anthropology 3083
Biology 1001 and 1002
Biology 2041
Biology 2600
Chemistry 1001
Chemistry 1200
Earth Sciences 1000
Earth Sciences 1002
Environmental Science 2261
Environmental Science 2360
Environmental Science 2370
Environmental Science 2371
Environmental Studies 4020-4039
Environmental Studies 4000
Folklore 2401
Folklore 2600
Forestry 1010 and 1011
Geography 1001
Geography 2001
Geography 2102
Geography 2302
Geography 2425
Political Science 3550
Political Science 3731
Religious Studies 3880
Sociology 2120

Note: *The required Philosophy 2809 and the optional Religious Studies 3550 can be used to fulfil the Group A breadth of knowledge requirement. The required Environmental Studies core courses will fulfil the Quantitative Reasoning and Analysis requirement.*

7.8.2 Tourism Studies Major for Graduates of the Two-Year Adventure Tourism Diploma Program

Students who have graduated from the two-year Adventure Tourism Diploma Program offered by the College of the North Atlantic and who are entering the Tourism Studies Program will be given a total of 54 credit hours towards the 120 credit-hour degree program. Students will be required to complete an additional 66 credit hours for the Grenfell Campus B.A. Degree, Major in Tourism Studies as follows:

1. English 1000 and 1001
2. French 1501 and 1502
3. 3 credit hours chosen from Geography 3222, Psychology 2925, Sociology 3040, Statistics 2500, Statistics 2550
4. 21 credit hours in Tourism Studies as follows: Tourism 1000, 1100, 3240, 3900, 4010, 3 credit hours from 4900-4910, and 4950
5. 24 credit hours in Minor program
6. 6 credit hours in elective

Note: *When selecting courses for minor or electives, students must select 6 credit hours in **Designated Writing Courses**, as indicated under **Grenfell Campus Core Program Requirements***

7.8.3 Tourism Studies Major for Graduates of the Two-Year Hospitality Management Diploma Program

Students who have graduated from the two-year Hospitality Management Diploma Program offered by the College of the North Atlantic and who are entering the Tourism Studies Program will be given a total of 45 credit hours towards the 120 credit-hour degree program. Students will be required to complete an additional 75 credit hours for the Grenfell Campus B.A. Degree, Major in Tourism Studies as follows:

1. English 1000 and 1001
2. French 1501 and 1502
3. Economics 2010 and 2020
4. 3 credit hours chosen from Geography 3222, Psychology 2925, Sociology 3040, Statistics 2500, Statistics 2550
5. 24 credit hours in Tourism Studies as follows: Tourism 1100, 2000, 3100, 3240, 3900, 4010, 3 credit hours from 4900-4910, and

4950

6. 24 credit hours in Minor program
7. 6 credit hours in elective

Note: *When selecting courses for minor or electives, students must select 6 credit hours from **Breadth of Knowledge Requirement**, Group C as indicated under **Grenfell Campus Core Program Requirements**.*

8 Division of Science

Bachelor of Science (General and Honours) degrees are available in Environmental Science, General Science and Psychology.

Minors are available in Environmental Science, Mathematics, Science.

An articulation agreement has been established with the College of the North Atlantic for those students who have completed the three-year Environmental Technology diploma program and who wish to obtain a Bachelor of Science degree (Major in Environmental Science).

8.1 Major in Environmental Science

Program Chair: Dr. M. Krishnapillai

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.

1. **Environmental Science Core**

   The student must complete at least 45 credit hours as follows:

   a. Biology 1001, 1002, 2600
      Earth Science 1000
      Mathematics 1000* (or 1080 and 1081), Statistics 2550 or equivalent
      One of Physics 1020* or 1050* and one of Physics 1021* or 1051*
      Environmental Science 4000
      Environmental Science 4950 (or 4951, see **Requirements for Honours in Environmental Science (B.Sc.)**

   b. At least two of:

      Anthropology 3083
      Economics 2010
      Environmental Studies 3000
      Environmental Studies 4000
      Philosophy 2561
      Political Science 3550
      Political Science 3731
      Religious Studies 3880

   c. At least three of:

      Environmental Science 2261
      Environmental Science 2360
      Environmental Science 2370
      Environmental Science 2371
      Environmental Science 2430
      Environmental Science 2450
      Environmental Science 3072
      Environmental Science 3470
      Environmental Studies 2000 **

   *It is strongly recommended that students considering the Chemistry stream of the Environmental Science program complete these courses in their first year.

   **This course is strongly recommended for the Biology Stream of the Environmental Science program.

2. **Environmental Science Streams**

   Students must complete at least 39 credit hours in one of the following streams**:**

   a. **Biology stream**

      Biology 2010, 2122
      Chemistry 1200/1001 sequence or Chemistry 1011/1031 sequence or Chemistry 1050/1051 sequence, and one of Chemistry 2210 or Chemistry 2300 (or 2301) or 2440 or 2400/2401 sequence, or Chemistry 1010/1011 sequence and Chemistry 2440
      ENVS 3110, 3130 3131, 4132, 4140 (or equivalent field course)
      Two of Envs 4069, 4131, 4133, 4240, 4479
      one additional laboratory (Science/Statistics/GIS) course beyond the first year level excluding Environmental Science Core courses. A course used to fulfill a stream requirement cannot also be used as a Group c. course in the Environmental Science Core.

   b. **Chemistry stream**

      Chemistry 1200/1001 sequence or Chemistry 1011/1031 or Chemistry 1050/1051 sequence. It is strongly recommended that students complete one of these sequences of Chemistry courses in their first year.
      Chemistry 2210, 2300 (or 2301), Chemistry 2400/2401 or equivalent
      Environmental Science 2261, 3210, 3211, 3260, 3261, 4230
      Two of Environmental Science 4069, 4131, 4240, 4249, 4479
      Mathematics 1001 which should be completed in the first year of studies

8.2 Requirements for Honours in Environmental Science (B.Sc.)

The Bachelor of Science (Honours) degree in Environmental Science offers greater concentration in the discipline and also requires a higher level of academic achievement than is required for completion of the general degree. The Bachelor of Science (Honours) in Environmental Science at Grenfell Campus is a 120 credit hour program normally requiring four years for completion. (See **Regulations for the Honours Degrees of Bachelor of Arts and Bachelor of Science at Grenfell Campus**.) Students will normally not be allowed to repeat courses to fulfil the academic standing criteria for the Bachelor of Science (Honours) in Environmental Science. For students

completing an Honours degree in "open" programs the appropriate courses to be used in calculation of academic standing will be determined by the program unit and will be approved by the Academic Studies Committee.

The following requirements govern the Bachelor of Science (Honours) in Environmental Science:

1. **Course Requirements**
   a. Students must meet the General Regulations for Grenfell Campus Bachelor of Science degree.
   b. Candidates must also complete:
      i. the Environmental Science Core requirements
      ii. the course requirements of a specific stream
   c. Candidates must complete 3 additional credit hours in courses at the 4000 level. These courses normally will be drawn from the candidates's honours stream as follows:
      i. For the Honours Bachelor of Science in Environmental Science (Biology), a further course chosen from: Environmental Science 4069, 4131, 4133, 4240, 4479
      ii. For the Honours Bachelor of Science in Environmental Science (Chemistry), a further course chosen from: Environmental Science 4069, 4131, 4240, 4249, 4479
   d. 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 in Section 1.c. (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 Academic Studies committee.
   e. 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).
2. **Honours Dissertation**

   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.
3. **Academic Standing**

   In order to graduate with an Honours degree, the candidate must satisfy the regulations regarding academic standing as specified under **Regulations for Honours Degree of Bachelor of Science at Grenfell Campus**.

   Courses used to calculate the academic standing as outlined in the **General Regulations for an Honours Degree at Grenfell Campus** 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
   Three of: Environmental Science 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470, or Environmental Studies 2000
   Environmental Science 3110, 3130, 3131, 4132, 4140 (or equivalent)
   Three of: Environmental Science 4069, 4131, 4133, 4240, 4479
   Environmental Science 4000, 4951, 4959

   Chemistry stream:
   Chemistry 2210, 2300 (or 2301) Chemistry 2400, Chemistry 2401
   Two of: Environmental Science 2360, 2370, 2371, 2430, 2450, 3072, 3470, or Environmental Studies 2000.
   Environmental Science 2261, 3210, 3211, 3260, 3261, 4230
   Three of: Environmental Science 4069, 4131, 4240, 4249, 4479
   Environmental Science 4000, 4951, 4959

8.3 Major in General Science

Program Chair: L. Bateman

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 allowable courses that can be chosen from each stream are listed below.

1. **General Science Core**

   Students must complete:
   a. **Course Requirements**

      Mathematics 1000, 1001

      Science 4000 (General Science Seminar)
   b. **Independent Project**

      Science 4950
2. **General Science Streams**

Students must complete at least 24 credit hours in each of three streams, chosen from the following list of courses:

Biology:
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.

Chemistry:
Chemistry 1001, 1200, 2210, 2300 (or 2301)
Either Chemistry 2440 or both Chemistry 2400 and 2401
Students who have completed Chemistry 2440 must complete another 9 credit hours from Environmental Science 2261, 3210, 3211,

3261, 4230, 4240; students who have completed Chemistry 2401 must complete another 6 credit hours from Environmental Science 3210, 3211, 3260, 3261, 4230, 4240.

Earth Systems:

Earth Science 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: Environmental Studies 2000, 3001, Environmental Science 2360, 2369, 2370, 2371, 2430, 2450, 3072, 3470, 4069, 4479, Earth Science 2150, 3811.

Mathematics:

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.

Physics:

Physics 1050, 1051, 2056, 2065, 3060, 3220

Two of Physics 2151, 2553, 3160, Earth Science 2150, Environmental Science 2430, 2450, 3470, 4479

8.4 Requirements for Honours in the General Science Degree

The Bachelor of Science (Honours) degree in General Science requires students to gain greater depth in one or more of their three chosen streams. It also requires a higher level of academic achievement than is required for the general degree. The Bachelor of Science (Honours) in General Science is a 120 credit hour program normally requiring four years for completion (see **Regulations for an Honours Degree in Arts and Science at Grenfell Campus**).

The following requirements govern the Bachelor of Science (Honours) in General Science:

1. **Course Requirements**
   a. **General Science Core**:
      Students must complete all of the course requirements of the General Science Core.
   b. **General Science Streams:**
      In addition to the courses required under the General Degree regulations, students must complete two additional courses from at least one of their three chosen streams. These additional courses must come from the list of courses given in the stream requirements, and must both be beyond the 2000 level.
2. **Honours Dissertation:**
   For students doing Honours, the Independent Project Science 4950 will be replaced by a two-semester Honours Project, Science 4951/Science 4959.
3. **Academic Standing:**
   In order to graduate with an Honours degree, a student must satisfy the regulations regarding academic standing as specified under **Regulations for Honours Degree of Bachelor of Science at Grenfell Campus**. Courses used to calculate the academic standing as outlined in the General Regulations for an Honours Degree at Grenfell Campus include all courses listed in the stream requirements, with the exception of all 1000 level courses.

8.5 Minor Programs - Division of Science

Environmental Science Minor:

Students may choose one of the following three options:

1. Environmental Science
   a. Biology 1001, 1002 and 2600 or Chemistry 1200, 1001, and one of Chemistry 2440 or Environmental Science 2261
   b. Additional 15 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
2. Environmental Science-Biology
   a. Biology 1001, 1002, 2010, 2122, 2600
   b. Three credit hours from Environmental Science 3110, 3130, 3131, 4131
   c. An additional 6 credit hours in courses with the Environmental Science designation of which at least 3 credit hours must be at the 3000 or 4000 level.
3. Environmental Science-Chemistry
   a. Chemistry 1200, 1001, 2210, 2300 (or 2301), Chemistry 2440
   b. Three credit hours from Environmental Science 3210, 3261, 4240
   c. An additional 6 credit hours in courses with the Environmental Science designation of which at least 3 credit hours must be at the 3000 or 4000 level

Mathematics Minor:

1. Mathematics 1000, 1001 (The only other course at the 1000 level which carries credit toward a Minor in Mathematics is Computer Science 1700.)
2. 18 additional credit hours in Mathematics courses beyond 1000 level or 15 additional credit hours in Mathematics courses beyond 1000 level and 3 credit hours in Statistics or Computer Science courses.

At least 6 credit hours will be in courses at the 3000 level or higher.

Science Minor:

Students pursuing the Minor in Science may choose courses from the following disciplines: Biology, Chemistry, Computer Science, Earth Science, Environmental Science, Mathematics, Physics, Science, and Statistics. Students who have completed courses drawn from other Science disciplines must obtain approval of the Head of Science.

1. Mathematics 1000
2. Six 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).
3. 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).

8.6 Articulation Agreement With the College of the North Atlantic

8.6.1 For Graduates of the Three-Year Environmental Technology Diploma Program

Students who have graduated from the three-year Environmental Technology Diploma Program offered by the College of the North Atlantic, or who are in their final semester of this program, can apply for entry with advanced standing into the Environmental Science Degree Program offered at Grenfell Campus. Upon admission to the university, such students will enter the second year of either stream of the Environmental Science Degree Program.

They will be given unspecified credit for 45 credit hours towards the 120 credit-hour degree program. Included in these 45 credit hours will be 9 credit hours for unspecified writing courses, of which 6 credit hours will be at the 1000 level and three will be at the 2000 level. In addition, 6 of these credit hours will be for unspecified credit at the 2000 level satisfying Group B, breadth of knowledge requirement.

Students gaining entry into the Environmental Science Degree Program at Grenfell Campus will need to satisfy all other core program requirements specified for Grenfell Campus degree programs. As well, they will need to satisfy all other course requirements specified for their specific stream in Environmental Science.

Upon admission into the second year of the Environmental Science Degree Program, students will be required to complete the following:

Core Program Requirements:
Six credit hours from Group A Breadth of Knowledge Requirement
21 credit hours in additional designated Writing (W) courses which may include Environmental Science core and stream courses

Environmental Science Core:
Biology 2600 (W)
Environmental Science 4000 (W)
Environmental Science 4950 (W) (students who intend to complete the honours option will complete Environmental Science 4951 (W) and Environmental Science 4959 (W))
Statistics 2550 or equivalent

1. **At least two of:**
   Anthropology 3083
   Economics 2010
   Environmental Studies 3000
   Philosophy 2561 (W)
   Political Science 3731, 3550
   Religious Studies 3880 (W)
2. **At least three of:**
   Environmental Science 2261, 2360, 2370(W), 2371(W), 2430, 2450, 3072, 3470
   Environmental Studies 2000 or equivalent

Biology Stream:
Biology 2010, 2122 (W)
Chemistry 2300 or 2440 or 2400/2401
Environmental Science 3110, 3130, 3131, 4132, 4140 (or an equivalent field course)
Six credit hours from Environmental Science 4069, 4131, 4133, 4240, 4479 (Honours students must complete 9 credit hours from this list)
Three credit hours in an additional science or statistics laboratory course at the 2000 level or higher, excluding Environmental Science core courses

Chemistry Stream:
Chemistry 2210(W), 2300, 2400, 2401
Environmental Science 2261, 3210(W), 3211(W), 3260, 3261, 4230
Six credit hours from Environmental Science 4069, 4131, 4240, 4249, 4479 (Honours students must complete 9 credit hours from this list)

9 Division of Fine Arts

Bachelor of Fine Arts degrees are available in Theatre and in Visual Arts. Students completing a Fine Arts degree are not required to follow the Grenfell Campus Core program requirements.

The Minor Program is available in Art History.

9.1 Bachelor of Fine Arts (Theatre)

The Bachelor of Fine Arts (Theatre) 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).

9.1.1 Admission Requirements

1. **Academic Requirements**

   Applicants must meet the general admission requirements of the University.
2. **Audition**

   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.
3. The deadline for submission of Theatre application forms is March 31st of the year in which admission is sought.

9.1.2 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. Students who fail a studio course shall not take more advanced courses in that discipline until the failed course has been satisfactorily completed.
3. Students shall complete all 1000 level Theatre courses before advancing to any 2000 level Theatre course.
4. A candidate whose average in the Theatre courses for the B.F.A. 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 candidate 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 his/her enrollment in the program.
6. Candidates who have withdrawn or who have been required to withdraw from the Bachelor of Fine Arts (Theatre) program and wish 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. Candidates who have 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.

9.1.3 Degree Regulations

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 Head of the Division 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.

Any departmental regulations may be waived by the Committee on Undergraduate Studies upon request of the Program Chair by the appropriate Committee on Undergraduate Studies.

To be awarded the Bachelor of Fine Arts (Theatre) a student shall successfully complete 120 credit hours which would normally be completed over a four-year period and must be chosen in accordance with the following pattern:

1. English 1000 and 1001 or equivalent
2. Visual Arts 2700 and 2701
3. Eighteen credit hours in dramatic literature as follows:

   English 2350 and 2351 (Surveys of major dramatic texts)
   English 3205 or 3200 or 3201 (Shakespeare)
   English 3275 (Modern Drama)
   Two Dramatic Literature courses to be selected from the following: English 3021, 3022, 3156, 3171, 3181, 3206, 3260, 4210, 4211, 4301, 4305, 4307, 4308, 4316, 4317
4. Fifteen credit hours in academic elective courses
5. Seventy-five credit hours in Theatre chosen in accordance with the following pattern:

   Theatre 1000, 1001, 1010, 1020, 4030, 4040, and 4001 (Harlow Institute - 10 credit hours) and

   Forty-seven credit hours in one of the following Majors:

   Acting:
   Theatre 1110, 2010, 2011, 2080, 2081, 3010, 3011, 3070, 3071, 3080, 3081, 4010, 4070, and 4080

   or

   Stagecraft:
   Theatre 1120, 2020, 2021, 2090, 2091, 3020, 3021, 3060, 3061, 3090, 3091, 4020, 4060, and 4090

9.1.4 Course Structure for the Bachelor of Fine Arts in Theatre

Year 1	Year 3
Fall Theatre 1000 Theatre 1010 Theatre 1020 English 1000/1050 Elective	**Fall** Theatre 3010 or Theatre 3020 Theatre 3060 or Theatre 3070, Theatre 3080 or Theatre 3090 English 3275 Elective
Winter Theatre 1001 Theatre 1110 or Theatre 1120 English 1001/1051 Elective Elective	**Winter** Theatre 3011 or Theatre 3021 Theatre 3061 or Theatre 3071 Theatre 3081 or Theatre 3091 Dramatic Literature course Elective
Year 2	**Year 4**
Fall Theatre 2010 or Theatre 2020 Theatre 2080 or Theatre 2090 English 2350 English 3205 Visual Arts 2700	**Fall** Theatre 4010 or Theatre 4020 Theatre 4060 or Theatre 4070 Theatre 4080 or Theatre 4090 Theatre 4040 Theatre 4030
Winter Theatre 2011 or Theatre 2021 Theatre 2081 or Theatre 2091 English 2351 Dramatic Literature course Visual Arts 2701	**Winter** Theatre 4001 (Harlow Institute - 10 credit hours)

9.2 Bachelor of Fine Arts (Visual Arts)

The Bachelor of Fine Arts (Visual Arts) degree program is a professional program designed to educate and train the student in the history, theory and practice of the Visual Arts. Courses are offered in Drawing, Painting, Sculpture, Printmaking, Photography, Multi-media, Digital Imaging and Digital Multi-Media, and Art History. 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 courses, the student will take a number of appropriate academic courses from disciplines other than Visual Arts, chosen in consultation with the program chair. It is intended that academic courses be chosen which will enhance the Bachelor of Fine Arts (Visual Arts) program and provide, as far as possible, a broad exposure to the liberal arts. The first year of the program consists of intensive foundation of co-requisite courses in Drawing, Two-Dimensional Design and Three-Dimensional Design in preparation for Introductory studio courses in the second year and intermediate studio courses in the third year. In the fourth year, the 4950/4951 studio courses are conducted as tutorials, that is, students will work independently on projects and confer regularly with instructors.

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. A student who withdraws from a course may put his/her 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. Any Visual Arts regulations may be waived by the Committee on Undergraduate Studies upon request of the Program Chair.

9.2.1 Admission Requirements

1. **Academic Requirements**

   Applicants must meet the general admission requirements of the University.

2. **Portfolio Submission**

   In addition to meeting the general admission requirements of the University, all applicants will be required to submit a portfolio of previous art work and a completed Visual Arts application form before March 1st 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 Fine Arts Division upon request. Enrollment in the Bachelor of Fine Arts (Visual Arts) program is limited and selection is competitive.

3. **Transfers From Other Universities/Colleges**

   See ***UNIVERSITY REGULATIONS*** **- Admission/Readmission to the University (Undergraduate)**.

9.2.2 Academic Performance

1. Attendance at all studio courses is considered vital to the program and will be required. It will be used as part of the evaluation.
2. a. Students who fail a course in a studio discipline shall not take more advanced courses in that discipline until the failed course has been satisfactorily completed.

   b. Students who fail any studio course will be required to repeat that course and obtain a grade of at least 65%.
3. Students must normally complete all 1000 level studio courses before advancing to any 2000 level studio course.
4. A candidate whose average in Visual Arts courses falls below 65% in any semester will be placed on probation by the Visual Arts

program.

5. A candidate will be required to withdraw from the program if:
   a. The candidate's cumulative average in Visual Arts courses required for the program falls below 65%. OR
   b. The candidate's average in Visual Arts courses falls below 65% in each of two consecutive semesters of enrolment in the program.
6. A candidate will be denied graduation if, at the end of the final semester of the Visual Arts Program:
   a. The candidate's cumulative average in Visual Arts courses required for the program falls below 65%. OR
   b. The candidate's term average in Visual Arts courses falls below 65% in each of his/her last two consecutive semesters of enrolment in the program.

   A candidate 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 8 (below).
7. Students who have voluntarily withdrawn from the Bachelor of Fine Arts (Visual Arts) program and wish to re-enter must re-apply in competition by March 1st for the upcoming Fall semester, or by August 30th for the upcoming Winter semester.
8. 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.
9. Candidates who have been required to withdraw twice from the Bachelor of Fine Arts (Visual Arts) program shall be ineligible for further admission.
10. Students denied promotion with a cumulative average below 60% in Visual Arts courses who are re-admitted to the program will normally be required to repeat all the Visual Arts courses of the term, including all the courses which have been passed (in a semester when the courses are normally offered).
11. Students denied promotion with a cumulative average of at least 60% in Visual Arts courses who are readmitted to the program will be required to repeat the failed Visual Arts courses only (in a semester when such courses are normally offered).

9.2.3 Degree Regulations

Visual Arts 1000 and 1001 and Visual Arts 2300 and 2301 are not accepted as credits towards the Bachelor of Fine Arts (Visual Arts) degree. One work of art done during the fourth year will be selected by the Visual Arts Program, in consultation with the student, and retained for the permanent collection of the Campus.

To be awarded the degree of Bachelor of Fine Arts (Visual Arts) a student shall successfully complete 120 credit hours as follows:

1. Six credit hours in English courses.
2. Eighteen credit hours in academic elective courses chosen from Disciplines other than Visual Arts.
3. Visual Arts 2700, 2701 and an additional 18 credit hours in Art History
4. Visual Arts 100A/B; 110A/B; 120A/B; 2000/2001.
5. Studio Courses

   Forty-two credit hours in studio courses as follows:
   a. 18 credit hours at the 2000 level.
   b. 18 credit hours at the 3000 level.
   c. Six additional credit hours in studio electives at 2000 or 3000 level.

   Studio courses are offered in the following subjects: Drawing, Two-dimensional design, Three-dimensional design, Painting, Sculpture, Printmaking, Printmedia, Photography and Multi-media, Digital Imaging and Digital Multi-media. Courses in a studio subject consist of six hours of practical work in a studio class each week. Assigned projects 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. Please consult with the Fine Arts Division prior to registration to confirm course offerings.
6. Visual Arts 4950/4951

Program Example:

Year 1 - Foundation Year
Drawing I (100A/B)
Two-D Design (110A/B)
Three-D Design (120A/B)
Six credit hours in Art History Survey I, II (2700/2701)
Six credit hours in English Language and Literature

Year 2
Second Year Drawing I, II (2000/2001)
Twelve additional credit hours in 2000 level Studio Courses
Six credit hours in Art History Courses
Six credit hours in Academic Electives to be chosen in consultation with the Academic Advisor

Year 3
Twelve credit hours in 3000 level Studio Courses
Six credit hours in 2000 level Studio Courses
Six credit hours in Art History Courses
Six credit hours in Academic Electives to be chosen in consultation with the Academic Advisor

Year 4
Independent Projects in Studio I, II (4950/4951) 3 credit hours each
Six credit hours in 3000 level Studio Courses
Six credit hours in Art History Courses
Six credit hours in Academic Electives to be chosen in consultation with the Academic Advisor

9.3 Minor Program - Fine Arts

Art History Minor
Visual Arts 2700 and 2701
18 credit hours in Art History at the 3000- or 4000-level

10 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 Head of the Division.

Prerequisites may be waived by the Head/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 Academic Studies Committee.

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.

10.1 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 Social and Cultural Anthropology is a general introduction to Anthropology emphasizing different forms of society and culture. Cultures within and outside the Western tradition will be examined, ranging from small-scale to more complex pre-industrial societies.
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.

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 Folklore 2000, 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

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 Folklore 2000, 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 (a) the nature of rural society in Canada, (b) similarities between Canadian and European rural society, ©) utopian and anarchist movements in rural life, and (d) 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 The Early Ethnohistory of North America's Native People (same as History 3520) explores the North American native response to early European contact and initial settlement. Particular attention will be paid to cultural change resulting from the adoption of European goods, participation in the fur trade, the introduction of European disease, and the adaptation to a permanent European presence.
CR: History 3520

3525 The Later Ethnohistory of North America's Native People (A/P) (same as History 3525) examines Indian and Inuit cultural history of the 18th and 19th centuries, including the fur trade, resistance and accommodation to European expansion, the emergence of revitalization movements, demographic changes, and population shifts. Special emphasis will be placed on the ethnohistory of the native peoples of what is now Canada and northern United States.
CR: 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 and 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 4440

10.2 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 School 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

10.3 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

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

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

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

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 , 1011 or 1050/1051

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

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
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

10.4 Business

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

10.4.1 Core Program Course Descriptions

1000 Introduction to Business in Society introduces the basics of business and business corporations in society, in a real-world relevant manner. Particular attention is given to societal stakeholders and to corporations' internal business processes and management functions. Major emphases include corporate social responsibilities and management ethics, and these are recurring themes in other topics such as technology, globalization and people in organizations. The course is a combination of textbook theory and guided learning activities and assignments based on finding and integrating real-world information.
CR: the former Business 2001

1101 Principles of Accounting (QRA) emphasize the concepts and issues of introductory financial accounting as they relate to the Canadian conceptual framework, and will also address the strengths and weaknesses of financial reporting at an introductory level. The student will be introduced to the accounting process and analysis of the balance sheet, income statement, and the statement of changes in financial position.
CR: the former Business 2100 and the former Business 3100

1210 Introduction to Marketing Strategy (W) introduces students to the concepts, analyses, and activities that comprise marketing strategy and provides practice in assessing and solving strategic problems in marketing. The course is also a foundation for Business 2210 Introduction to Marketing Tactics and for advanced electives in marketing. Topics include: marketing strategy, environmental analysis, competitive analysis, customer behaviour, marketing research, segmentation, targeting, and positioning.
CR: the former Business 1201 or 2201 or 3200, Tourism Studies 2201
PR: Business 1000, Economics 2010, Economics 2020, English 1110 or 1021

1600 Introduction to Entrepreneurship is an introductory course designed to give students a broad understanding of the field of entrepreneurship and the role that entrepreneurship plays in society. 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, obtain exposure to local entrepreneurs, assess their potential for entrepreneurial careers and develop attitudes and skills that will be useful in any organization. The course is also useful for those who will be dealing with smaller firms in the context of larger organizations and for those who will be working for entrepreneurs.
PR: Business 1000, and English 1110 or 1021

2010 Business Research and Writing (W) introduces students to research, writing, and reporting processes in business. Through ongoing, multi-stage evaluation, students learn the fundamentals of business research, including analytical thinking and proposal writing involving research using secondary sources. A key focus is the writing process, including grammar, punctuation, structure, flow, and format in common business communications media. Students also develop their oral presentation competence by presenting the results of their research. A highly interactive design encourages student practice and participation.
CR: Business 2000
PR: Business 1000, and English 1110 or 1021

2101 Managerial Accounting (QRA) provides an overview of the use of financial data for managerial decision making. The student will be introduced to basic budgeting and analysis techniques for both service-oriented and manufacturing businesses.
CR: the former Business 4100

PR: Business 1101

2210 Introduction to Marketing Tactics (W) introduces students to the concepts, analyses, and activities that comprise marketing tactics and provides practice in making decisions about tactical problems in marketing. The course is also a foundation for advanced electives in marketing. Topics include: product management, pricing, marketing communications, channels of distribution, implementation, and budgeting.
CR: the former Business 1201 or 2201 or 3200, Tourism Studies 2201
PR: Business 1210, Mathematics 1000

2400 Decision Modeling (QRA) provides an introduction to: spreadsheet modeling; linear optimization and the related topics of integer, assignment, and transportation models; and decision analysis including payoff matrices, decision trees, and Bayesian revision. All topics will be taught within the context of business applications.
CO: Statistics 2500
CR: the former Business 4401
PR: Mathematics 1000

2700 Computing and Information Systems for Business serves to introduce computer applications in document processing, spreadsheet and database management, and basic web design and technology. Students will also examine the role of information systems and their design and management in supporting business decision making, and ethical issues surrounding technology in the workplace.
CR: Computer Science 1600, Computer Science 2650, Computer Science 2801
LH: 3
PR: Business 1000
UL: cannot be used as a Business elective in programs offered by the Faculty of Business Administration

3310 Organizational Behaviour (W) (formerly Business 2301 and 4300) focuses on the study of individual and group processes in formal organizations. The student is introduced to the nature of work, the systematic approach to the study of behaviour, organizational roles and socialization, motivation, leadership, communication, and group dynamics.
CR: the former Business 2301 and the former Business 4300
PR: English 1110 or 1021

3401 Operations Management (QRA) teaches fundamental concepts, methods, tools, and techniques to understand, analyze, and effectively manage as well as improve operations in business organizations. The course covers operations competitiveness and strategy, productivity, forecasting, capacity planning, material requirements planning, waiting lines analysis, project management, inventory management, quality control and its improvement, and supply chain management.
CR: the former Business 5400
PR: Statistics 2500, and Business 2400 or the former Business 2401

4000 Business Law I is a course dealing with the law relating to certain aspects of business activity; includes introductory material on the nature of law and legal processes, together with a detailed study of certain aspects of the law of contract, examination of the general principles of the law of agency as they affect business operations; introduction to selected topics in company and partnership law.
CR: the former Business 3000

4050 Strategic Management 1 introduces students to the strategic management approach. The course builds upon the knowledge and concepts developed in Business 1000 and prepares students for later business courses in their programs, especially Business 7000. Through experience and analysis in and of real or reality-based situations and issues, students will develop critical and integrative thinking and information literacy. Activity and action components of the strategic management process are the basis for student learning. The purpose of this course is to recognize the importance of situational analysis and strategy in the management process, including business functional and organizational integrative thinking, and decision-making regarding courses of action, resource allocation, and leadership.
CO: Business 4000 and Business 4330
PR: Business 1600, 2010, 2101, 2210, 2400, 3310, 3401

4320 Human Resource Management introduces the student to the design, operation and management of HRM processes, their evaluation, and their contribution to employee and organization effectiveness. The principal processes considered are staffing, development, employment relations, and compensation. Consideration of the influence of relevant organizational and external conditions on HRM is included. The course views the management of human resources as the joint responsibility of line and HRM managers.
PR: Business 3310 or the former Business 2301

4330 Introduction to Labour Relations (formerly Business 3320) provides an introduction to the field of industrial and labour relations in Canada, with primary emphasis on the labour-management relationship. Students will be introduced to the basic elements of an industrial relations system, including the participants, their roles and relationships, the social economic, legal and political environment in which the participants interact, and the process and outcomes of collective bargaining. Students may be exposed to various role playing exercises that are applicable to industrial and labour relations.
CR: the former Business 3320
PR: English 1021 or English 1110

4500 Financial Management I (QRA) is designed to introduce the student to the role of financial management in business, financial analysis techniques, working capital management, and long-term and short-term financing.
CR: the former Business 4110
PR: Business 1101, Economics 2010 and Statistics 2500

5301 Organizational Theory focuses on the organization, its environment, and its subsystems. From providing a basic appreciation of the role and practice of research in organizations, study extends to measures of organizational effectiveness, determinants of structure and design, power and politics, intergroup conflicts and conflict resolution, and organizational development and change.
CR: the former Business 5300
PR: Business 3310 or the former Business 2301

7000 Strategic Management 2 (W) emphasizes concepts of strategic management and strategy in various contexts and situations covering corporations and businesses, and other institutions or organizations and their purposeful activities. Through in-depth analysis of reality-based situations and strategic issues, students will develop their contextual and situational orientation, and further develop their applied, investigative critical thinking and information search skills. Further, students will be expected to develop an applied ability in the contextual and situational analysis of corporation/businesses and institutions/purposeful activities, and in corresponding strategy formulation and planning for strategy implementation. Students learning activities may be based on published simulation exercises, decision-making and group dynamics exercises, business simulation exercises, and information search projects. Learning outcomes also may include research and information search methodologies and information literacy, and good writing.
PR: Business 4050, 4320, 4500, and 5301

7010 Business and Society (W) examines the inter-relationships among business, government, society and the environment. Topics include: the social-economic business system, business ideologies, social responsibilities of business, business ethics, stakeholder and issues management, and selected current issues in business.
PR: restricted to Bachelor of Business Administration students who have completed at least 90 credit hours, or permission of the Chair of Business

10.4.2 Business Electives

All existing business courses at Memorial University of Newfoundland that are not included in the Grenfell Campus B.B.A. core will be considered business electives. When choosing electives, students must ensure that they satisfy requirements for one of the concentrations listed under **The Curriculum**, 3.

2000 Business Communications (W) focuses on the development of written and oral communication skills in the workplace. The common communications media are reviewed with emphasis on electronic and written correspondence. Students learn how to prepare comprehensive analytical reports including proposal writing. Attention is also given to building confidence in delivering oral presentations and preparing appropriate employment packages. A highly interactive design encourages student practice and participation.
CR: Business 2010
UL: may not be used to fulfill any of the requirements of any of the programs of the Faculty of Business Administration, including the minor, diploma and degrees

2808 Business Ethics (W) examines the implications of business conduct using ethics as a framework, and will provide the tools to anticipate, critically analyse, appropriately respond to, and provide personal and professional leadership regarding critical ethical issues that will arise both during professional and personal careers.

3101 Accounting Applications (QRA) continues the study of accounting on a more in-depth and detailed basis. Building on the theory and concepts of Business 1101 and 2101, Business 3101 will emphasize the procedures and techniques required for the preparation and presentation of accounting information and general purposes financial statements.
CR: the former Business 2100 or the former Business 3100
PR: Business 1101

3210 Consumer Behaviour deals with concepts related to factors with influence the purchase and consumption behaviour of individuals including culture, social class, reference groups, perception, learning motivation, personality and lifestyle. The unique aspects of groups and organizational buyers will also be examined.
CR: the former 5200
PR: Business 2010 and Business 2210 or the former Business 2201, or

the former Business 3200.

3350 Principles of Leadership will build on the concepts introduced in Organizational Behaviour, providing students the opportunity to explore various theories of leadership and styles, and to evaluate their own personal leadership profiles. Students will examine motivation and coaching, strategic leadership and change management, among other topics.
PR: Business 3310 or the former Business 2301

4010 Government Policy and Economic Development examines the integration of Government policy, scientific understanding, local knowledge and social and economic principles for sustainable economic development. Students will explore experiences with various institutions, regulations and policy instruments in dealing with economic development, both theoretically and in a number of case studies.
PR: Business 1000, Economics 2010 and Economics 2020

4020 Research and Economic Analysis will examine the interpretation and analysis of research tools and methods commonly utilized in assessing the impact of economic development in the context of local government, business, social and cultural, and institutional environments.
PR: the former Business 2401, Business 4500, Economics 2010, and Economics 2020

5000 Business Law II is designed to show the student how principles of Law are applied to four areas of Business. The areas dealt with in this course are accounting/finance, marketing, personnel and production.
PR: Business 4000

5010 International Development addresses present critical issues in international development such as sources of national and international economic development, causes of poverty, the role of international trade and financial aid, foreign debt problems, the role of the government and its policies, and globalization. Through lectures, class discussions and project writing it aims to develop the students' knowledge of different theories of development and their ability to identify and analyse the major economic problems, as well as to think critically and to find solutions.
PR: Economics 2010, Economics 2020, Mathematics 1000, and Statistics 2500

5210 Marketing Communications provides a theoretical background on the nature, role and principles of marketing communications; and develops analytical and decision-making skills in planning, executing, evaluating and controlling marketing communications campaigns.
CR: the former Business 6210
PR: Business 2010, Business 2210 or the former Business 2201, or the former Business 3200

5220 Marketing Research (W) is designed to acquaint the student with the use of marketing research as an aid to management. This is a comprehensive survey of the scope and methods of marketing research.
CR: the former Business 6200
PR: Statistics 2500, Business 2010, and Business 2210 or the former 2201, or the former 3200

5302 International Business is designed to introduce students to the issues of international business: these are the processes of cultural confrontation and compromise; the problems of competitive sovereignty involving multinational corporations and the governments of host societies; the organization, structure, operation and control of diverse international businesses; and, finally, the role of multinational enterprise as a catalyst in economic development and resources employment, in particular, the North-South context. The relevance of international business as an area of study to the Canadian economy is discussed. The course is both conceptual and empirical in content.
PR: Business 1000 and Economics 2010 and 2020

5500 Financial Management II (QRA) (formerly Business 5140 and Business 7140) is an extension of Business 4500. Capital investment decision-making using discounted cash flow methodology; investments under certainty; financial structure and leverage; analysis of money and capital markets; further examination of long-term external financing.
CR: the former Business 5140, the former Business 7140
PR: Business 4500 or the former Business 4110

5530 Public Finance recognizes the large role played by government in our society. Sources and uses of government funds at the federal, provincial and local levels will be covered. Intergovernmental fiscal problems will be examined with special emphasis on various incentive programs available to business from the three levels of government.
CR: the former Business 5100
PR: Economics 2010 and Economics 2020

5600 New Venture Creation (formerly Business 5030 and Business 7030) covers the business creation process from the idea conception stage to the launch stage. Students learn how to search for, screen and evaluate opportunities, and to plan and assemble the required resources, including the preparation of an actual business plan. Alternatives to new venture creation, such as purchasing an existing business and purchasing a franchise, are also explored. Extensive group work is required.
CR: the former Business 5030, the former Business 7030
PR: Business 1101, Business 1600, and Business 2210

6040 International Business Law develops the skills a business student must have in understanding the laws and regulations that exist and relate to international business decision making. The course will equip students with a knowledge and understanding of laws and regulations that currently prevail in international business operations.
PR: Business 4000

6120 Taxation I is a determination of income tax liability of individuals and corporations, and a survey of sales taxes.
PR: Business 1101 or the former Business 3100, and Business 4000

6500 Family Business, Franchising, and Buying an Enterprise (W) examines various forms of business ventures and the recognition and treatment of associated risks. Emphasis is on the critical importance of the entrepreneur, the demands and the risks faced as well as the rewards and satisfactions to be expected from family-run business, franchising, and enterprise takeover.
PR: Business 1101, Business 1600, and Business 2210

6510 Investments is a study of investment securities, risks, markets and mechanics; an appraisal of the economy, the industry and the firm; and portfolio management for personal and institutional investments.
CR: the former Business 6140
PR: Business 4500 or the former Business 4110

6600 Managing Growth in the Small Firm is designed to introduce the student to the challenges and opportunities of managing small growing businesses. The focus will be on functional issues and solutions within the context of growth oriented small firms. In addition, the course will explore strategic planning in the owner-managed business and strategies for growth and expansion. Extensive use will be made of cases and examples from Atlantic Canada.
CR: the former Business 6030
PR: Business 5600

6610 Small Enterprise and Regional Development (formerly Business 6009 and Business 7031) explores the potential and constraints on efforts to foster small enterprise formation and expansion as a means to promote regional economic development. It critically examines government initiatives to promote small business as the panacea for depressed regional economies, and reviews changes in the global economy and the organization of production which may enhance small business competitiveness. Both Canadian and international cases are studied, with theoretical and empirical findings related to the Newfoundland context.
CR: the former Business 6009 and the former Business 7031

6800 Current Topics in Rural Economic Development (W) focuses on case studies of rewards and challenges inherent in rural economic development. Potential areas of consideration would include economic, environmental, political, and socio-cultural impacts of economic development.
PR: successful completion of at least 60 credit hours

7025 Management Decision Making (W) is a case-based course that takes a critical look at the decision-making process and examines the complexities of the business environment that affect both the effectiveness and efficiency of decision making, including environmental uncertainty, and competing stakeholder interests. Through case analysis, students will have an opportunity to evaluate and practice both qualitative and quantitative managerial decision making skills as they apply to areas such as marketing, human resources, production and operations, and business planning. Topics to be covered may include: decision theory, evaluating risk and uncertainty, game theory, and creative problem solving.
CR: the former Business 4401, the former Business 3400
PR: restricted to Bachelor of Business Administration students who have completed at least 75 credit hours
UL: cannot be used to satisfy the requirement of the former Business 4401 in any program

7050 Current Topics in Business (W) includes current topics in contemporary business thinking will be examined and evaluated in a seminar format. Seminars will be presented by faculty, students, and guest speakers.
PR: restricted to B.B.A. students who have completed at least 90 credit hours, or students who have permission of the Chair of Business

7600 Current Topics in Entrepreneurship (W) endeavours to address recent research findings in various aspects of entrepreneurship. Students will have the opportunity to pursue issues in entrepreneurship development covering a wide range of topics using publications, journals and conference proceedings.
CR: the former Business 7032
PR: Business 5600

7610 Regulatory and Taxation Issues for Small Business is designed to provide students with a general knowledge base of the various tax and other regulatory issues that should be considered in starting a business. The role

that tax plays in decision making will be examined as well as the types of corporate funding to establish a new business through government grants, conventional loans and tax credits as provided under the Income Tax Act. Alternative corporate structures will be examined as well as aspects of employee compensation and business valuations. Practical aspects of starting your own business, such as registration requirements, will also be examined.
PR: Business 6120

10.5 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 1010/1011 or 1011/1031 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: CHEM 1000 and CHEM 1001; CHEM 1200 and CHEM 1001
LC: 4 including tutorials
LH: 3
PR: CHEM 1200 or equivalent

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: CHEM 1000 and CHEM 1001; CHEM 1200 and CHEM 1001
LC: 4
LH: 3

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
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 is structural chemistry of the solid state. Introduction to molecular orbital and crystal field theories. Chemistry of the s, p, and d block elements.
AR: attendance is required
LH: 3
PR: CHEM 1001 (or CHEM 1031 or CHEM 1051), Mathematics 1000

2300 Introductory Physical Chemistry is introductory chemical thermodynamics and equilibria. Complementary laboratory work with an emphasis on quantitative analysis.
AR: attendance is required
CR: CHEM 2301
LH: 3
PR: CHEM 1001 (or CHEM 1031 or CHEM 1051), Mathematics 1001, Physics 1051 (or Physics 1021)

2400 Introductory Organic Chemistry I (F) is bonding involving carbon; conformations and sterochemistry; introduction to functional groups and nomenclature; properties, syntheses and re-actions of hydrocarbons, alkyl halides and alcohols.
AR: attendance is required
CR: the former CHEM 2420, CHEM 2440, the former CHEM 240A/B
LH: 3
PR: CHEM 1051 or CHEM 1031; or CHEM 1010 and CHEM 1011 with a grade of at least 80% in each; or CHEM 1011 with a grade of at least 85%; or CHEM 1001 with a grade of at least 65%

2401 Introductory Organic Chemistry II (W) is an introduction to the interpretation of infrared, H and C-13 NMR spectroscopy; properties, syntheses and reactions of ethers, simple aromatic compounds, ketones, aldehydes, amines, carboxylic acids and their derivatives; aldol and related reactions.
AR: attendance is required
CR: the former CHEM 2420, CHEM 2440, the former CHEM 240A/B
LH: 3
PR: CHEM 2400

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.
AR: attendance is required
CR: CHEM 2400, the former CHEM 2420, the former CHEM 240A/B.
LH: 3
PR: CHEM 1011 (or CHEM 1001 or CHEM 1051)
UL: is designed primarily for Biology Majors and may not be used for credit by Chemistry or Biochemistry Majors and may not serve as a prerequisite for any other Chemistry course.

10.6 Classics

Classics courses are designated by CLAS.

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

1100 Introduction to Greek Civilization 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

1200 Introduction to Roman Civilization 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.

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/History 3910, the former CLAS/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: History 2040, the former CLAS/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 2701) is a survey of the origin and development of Western philosophy among the Greeks and Romans.
CR: Philosophy 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/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/Religious Studies 3121, Religious Studies 3020

3090 Alexander and the Macedonians 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 kingdons.
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.

10.7 Computer Science

Computer Science courses are designated by COMP.

1600 Basic Computing and Information Technology (F and W) 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: COMP 2650, COMP 2801
LH: 3
PR: Level III Advanced Mathematics or Mathematics 1090, which can be taken concurrently

1700 Introduction to Computer Science (F and W) lays the foundation for the art and the science of computing. The course contains fundamental and topical issues in computers, languages, programming and applications. This course is designed for potential Computer Science majors without a background in programming, but is also available for non majors.
CO: Mathematics 1090 (or equivalent), or Mathematics 1000
LH: 3
PR: Mathematics 1090 (or equivalent), or Mathematics 1000

10.8 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

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 and petrology. 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

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 (W) 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

10.9 Economics

Economics courses are designated by ECON.

2010 Introduction to Microeconomics I 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.

2020 Introduction to Macroeconomics covers national income accounting, aggregate income analysis, money, banking and foreign trade.

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 2010, ECON 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 2010 and ECON 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 2010 and ECON 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 2010 and ECON 2020

3050 Economic Forecasting: Methods and Applications aims to present the statistical techniques that are useful for preparing individual business forecasts and long-term business plans by focusing on the application of techniques used by managers in the decision-making process. It involves exploring data patterns, data mining, linear regression, time series, and managing forecasting processes. Knowledge of the basic operations of spreadsheets is recommended.
PR: ECON 2550

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 2010 and ECON 2020

3085 Issues in Ecological Economics 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.
CO: ECON 2010 and ECON 2020
CR: Environmental Studies 3085, Environmental Studies 4020, and the former Environmental Studies 3010
PR: ECON 2010 and ECON 2020

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 2010 and ECON 2020

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 2010 and ECON 2020

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

10.10 English Language and Literature

One of English 1000, 1050, the former 1100 and one of English 1001, 1051, 1110 are prerequisites for all other courses.

A student cannot receive credit for more than one of English 1000, 1050, 1080, the former 1100 or for more than one of 1001, 1051, 1101, 1102, 1103, and 1110.

A student cannot receive credit for more than one of English 1020, 1030 or 1110.

A student cannot receive credit for more than 6 credit hours at the first year level. This includes unspecified transfer credits.

No students shall register in any course having an initial digit "3" unless they have successfully completed at least 6 credit hours in courses having an initial digit "2".

No students shall register in any course having an initial digit "4" unless they have successfully completed at least 6 credit hours in courses having an initial digit "3".

10.10.1 English Core Courses

1000 Introduction to English I is an introduction to English literature and to the use of the English language with a particular emphasis on composition.

1001 Introduction to English II is a continuation of the studies begun in English 1000.
PR: English 1000, English 1050, the former English 1100

1110 Comprehension, Writing and Prose Style is an introduction to the analysis of prose and to writing for various purposes, including exposition.
CR: English 1020, English 1030, English 2010,
PR: English 1000, English 1050, English 1080, the former English 1100

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, English 2110

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.

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, English 2111

3205 Shakespeare Survey is a study of at least eight plays, two from each dramatic mode: comedy, history, tragedy, and romance.
PR: Two second-year English courses
UL: credit may be obtained for only two of English 3200, English 3201, English 3205, and English 3206

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.
PR: Two second-year English courses
UL: credit may be obtained for only two of English 3200, English 3201, English 3205, and English 3206

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: English 2401

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

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

10.10.2 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 2350

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

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.

3171 Anglo-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: English 3170, English 3180

3181 Drama of the Restoration and Eighteenth Century is a study of

major dramatic texts from 1660 to the end of the eighteenth century.

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, English 4300

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

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

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

4308 20th Century American Drama - inactive course.

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

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

10.10.3 Canadian Literature

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: two first-year English courses

2155 Newfoundland Literature is a study of Newfoundland literature with emphasis on representative writers since 1949.
CR: English 3155

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.

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

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

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

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

4307 Contemporary Canadian Drama course description can be found in the dramatic literature list above.
CR: English 3156

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

10.10.4 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: English 2214

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: successful completion a first-year English sequence

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: English 2121
PR: 6 credit hours in first-year English

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.

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.

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.

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: 6 credit hours in first-year English

3215 20th Century American Literature is study of American poetry and fiction from 1900 to 1960.
CR: English 4260, English 4261, English 4270

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

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

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.
PR: permission of the instructor
UL: credit may be obtained for only two of English 3900, English 3901, and English 3905

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).

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.

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

10.10.5 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

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

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

10.11 Environmental Science

For existing Memorial University of Newfoundland courses, the numbers remain the same. For new courses in Environmental Science, the following four-digit scheme is used:

1st digit = Year

2nd digit = Parent Discipline:

0 = Multidisciplinary
1 = Biology
2 = Chemistry
3 = Earth Science
4 = Physics
9 = Project

3rd digit = Subdiscipline:

(Biology): 1 = Botany 1 = Analytical 5 = Research
(Chemistry): 2 = Zoology 2 = Inorganic 8 = Science Writing
(Multidisciplinary): 3 = Ecology 3 = Physical 6 = Environmental 4 = Organic

4th digit = Numerical Sequence.

Courses specifically designed for the environmental science program(s) are given the designation "**Envs**". Thus, for example, in the Winter semester of the 2nd year, Environmental Chemistry is offered, with a course number = **Envs 2261**.

Environmental Science courses are designated by ENVS.

10.11.1 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

3130 Freshwater Ecology is the study of freshwater ecosystems (lakes, rivers, 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 Chemistry 1011

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

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), with 6 credit hours from the Environmental Science Core

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

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.

10.11.2 Environmental Chemistry

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 Chemistry 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: Chemistry 2300 (or 2301) and Chemistry 2210

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: ENVS 3210 (or equivalent)

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 ENVS 2261 (ENVS 2261 may be taken concurrently) or permission of the instructor and Program Chair

3261 Atmospheric Chemistry is electronic, vibrational and rotational spectroscopy. Rates and mechanisms of gas phase reactions (particularly photochemical). Thermodynamics of the atmosphere. Formation, evolution and structure of the Earth's atmosphere. Chemical and physical properties of the atmospheric gases. Global element cycles. The stratosphere and ozone variability. The iono-sphere. Atmospheric pollutants. Problems of the "greenhouse" gases. Aerosol chemistry. Wet and dry deposition.
PR: Chemistry 2300 (or 2301), Chemistry 2210 or the 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
LC: not more than seven hours per week
PR: ENVS 3211 and one of Chemistry 2400 or Chemistry 2440 or permission of the instructor and Program Chair

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.
PR: ENVS 4240, ENVS 3261, ENVS 4230 or the permission of the instructor and Program Chair

10.11.3 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.

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.
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 Science 1000 or 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

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: ENVS 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, convention, 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 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, Chemistry 2300, Chemistry 2301, Chemistry 2401, or Chemistry 2440, and 6 credit hours selected from ENVS 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470, or Environmental Studies 2000. It is recommended that students complete at least 80 credit hours before registering for this course.

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, Chemistry 2300, Chemistry 2301, Chemistry 2401, or Chemistry 2440, and 6 credit hours selected from ENVS 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470, or Environmental Studies 2000. It is recommended that students complete at least 80 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.
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. This project fulfils the Core requirement for a fourth-year individual project in the area of specialization.
PR: permission of Program Chair

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

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

10.12 Environmental Studies

New Course Numbering

For existing Memorial University of Newfoundland courses the numbers remain the same. For new courses in Environmental Studies the following scheme is used.

1st digit = year

2nd digit = Program Concentration

0 = common to both concentrations
1 = Environmental Perspectives Concentration
2 = Outdoor Environmental Pursuits Concentration
9 = Project

Environmental Studies courses are designated by EVST.

1000 An Introduction to Environmental Studies is an introduction to a variety of major issues in environmental studies through an examination of a range of case studies including both local problems, such as the impact of outdoor recreation activities on the environment, and global threats, such as stratospheric ozone depletion.

2000 Introduction to Mapping, Remote Sensing, and Geographical Information Systems is an introduction to maps, global positioning systems, remote sensing, and geographic information systems. Applications to a broad range of environmental issues will be discussed.
LC: 3
LH: 3
PR: Geography 1000 or Earth Sciences 1002

2210 Outdoor Environmental Pursuits I is 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
CO: basic first aid and CPR course
OR: 3 hours of practicum per week

2220 Outdoor Environmental Pursuits II is the theoretical rationale and practical skills needed to demonstrate basic proficiency in several of the following activities: 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
OR: 3 hours of practicum per week

3000 Issues in Environmental Economics is an analysis of current issues concerning the effects of the economic activities of production and consumption on the natural environment. The concepts of scarcity, abundance, demand, supply, opportunity cost, trade-offs, externalities, marginal benefits and marginal costs will be utilized in examining environmental problems. The social and economic implications of various approaches will also be analysed.
OR: Economics 2010

3001 Environmental and Resource Management: Applications of Geographic Information Systems is applied GIS knowledge and skills in environmental and resource management. The topics cover GIS data sources, data conversions, database design, spatial analysis and decision support systems. Examples of GIS applications in the private and public sectors will be provided.
LH: 3
PR: EVST 2000

3085 Issues in Ecological Economics 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.
CO: Economics 2010 and Economics 2020
CR: Economics 3085, the former EVST 3010, and EVST 4020
PR: Economics 2010 and Economics 2020

3210 Expedition will consist of one or more extensive expeditions into wilderness areas. A variety of applied topics related to environmental issues, outdoor leadership, and outdoor survival will be covered using an experiential approach. Expedition: Two weeks (Summer term).
AR: attendance is required
PR: EVST 2210 and EVST 2220

4000 Environmental Impact Assessment will include an analysis of the different methods of assessing the impacts that investment projects or decision-making processes have on the environment. Environmental Impact Assessments (EIAs) vary with individual projects and are a vital tool to use in integrated planning of development proposals, policies and programs. Emphasis will be given to assessing the socio-economic impact of development projects.

4010 Seminar in Environmental Studies is a senior seminar in which selected environmental issues will be examined from several disciplinary perspectives.
OR: seminars three hours per week
PR: permission of the Environmental Studies Program Chair

4020-4039 Special Topics in Environmental Studies has a range of special topics in Environmental Studies. This course is normally taken by students beyond the second year.

4950 Independent Research Project is a course, under the supervision of a faculty member, where each student will carry out an approved project in environmental studies and prepare a major paper based on independent research.
PR: permission of the Environmental Studies Program Chair

10.13 Folklore

Folklore 1000 (or 2000) 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 is the role that tradition plays in communication, art and society will be discussed through an examination of folklore materials from Newfoundland and the English-speaking world. Readings and "listenings" will emphasize the use of folklore in context, e.g., the proverb in speech and the folksong in childrearing. Students will be urged to analyse the traditions in their own lives through special assignments.
CR: FOLK 2000

1050 Folklore Studies is an examination of specific folklore studies illustrating important themes and approaches in folkloristics. These will include antiquarian, nationalistic, diffusionist, historic-contextual, functional, structural, and performance analyses as typified in selected readings from the works of leading folklorists.
There is no prerequisite for this course. However, students should note that they will need to take FOLK 1000 (or FOLK 2000) before they can advance to other courses.

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

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 FOLK 2000, or Anthropology 1031

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 FOLK 2000, 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 Folksong 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 Division.

3850 Material Culture is an examination of various interpretive theories of objects as cultural products. Problems of defining the artifact will be discussed, as well as the strengths and limitations of using objects in historical and ethnographic research. Questions discussed include form, design, decoration, diffusion, and the role of the creator of the object. Besides folkloristic work on material culture, a variety of interdisciplinary approaches will be considered. Emphasis will be on the material folk culture of Newfoundland and its European antecedents.
CR: Archaeology 3850

3920 Folklore and Education 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 FOLK 4475

3930 Folklore and Popular Culture is an examination of the transitional processes involved in the development of folk societies to mass cultures with regard to folklore and the products of popular culture. In addition, sensory and technological media theories will be scrutinized and evaluated in conjunction with cultural comparisons of the qualities and functions of: folksong, disc recordings and the radio; folktales, television melodrama and popular film; folk art and popular "techno-art" forms.
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 and 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 and Music 4440

4480 Folklore and Oral History is a seminar which deals with the uses of oral sources, particularly those which have a traditional dimension, for the study of history. It will discuss the methods developed by Vansina, Dorson and others for evaluating the historical meaning of oral traditions in literate and non-literate cultures. The uses of oral testimony in the study of traditional modes of life and work such as fishing and farming will be considered. The use of oral traditions in the study of social and political history will also be discussed.
CR: History 4480

10.14 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 Division 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 don't les connaissances du français sont très faibles. La permission de s'inscrire à ce cours ne sera pas accordée a ceux qui ont complété le Francais 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 a 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 head of the division

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 ouFrançais 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 Françias 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.

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 or FREN 2160 and at least one other 2000-level course in French

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

10.15 Geography

Geography courses are designated by GEOG.

1000 Introduction to Geography I is an introduction to Geography incorporating concepts, skills and techniques used by the geographer to understand the Earth as the home of man. The major emphasis of the course is placed on man-environmental ecological systems. The course will include seminars and practical work.
CR: the former GEOG 1010

1001 Introduction to Geography II is a continuation of introduction to basic concepts and techniques in the field of Geography. This course emphasizes Geography as a social science and introduces the sub-fields of political, economic, cultural and urban Geography. The course will include seminars and practical work.
CR: the former GEOG 1011

2001 Cultural Geography is an examination of the basic themes of cultural Geography.
PR: GEOG 1050, or the former GEOG 1011, or GEOG 1001

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 systematics study of climate, water, landforms and vegetation.
LH: 3
PR: GEOG 1000 or GEOG 1050, or the former GEOG 1011

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 1011, or GEOG 1001

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 1011, or GEOG 1001

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 1011, or GEOG 1001 and at least 9 credit hours from GEOG 2001, GEOG 2102, GEOG 2195, GEOG 2302, GEOG 2425.

3900-3909 Special Topics in Geography will have topics to be studied announced.
PR: permission of the instructor and the Head of the Department

10.16 History

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: 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: HIST 1001

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 Canadian History to Confederation, 1867 is a survey of Canadian History to Confederation, 1867.

2210 Canada Since 1867 is survey of Canadian History since Confederation.

2300 Introduction to 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 1050 is a survey of the economic, social, political and cultural developments of the early Middle Ages.
CR: the former HIST 2030

2330 Medieval Europe, 1050 to the Reformation 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

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

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

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 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 The Early Ethnohistory of North America's Native People (same as Anthropology 3520) is the North American native response to early European contact and initial settlement. Particular attention will be paid to cultural change resulting from the adoption of European goods, participation in the fur trade, the introduction of European disease, and the adaptation to a permanent European presence.
CR: Anthropology 3520

3525 The Later Ethnohistory of North America's Native People (same as Anthropology 3525) is Indian and Inuit cultural history of the Eighteenth and Nineteenth centuries, including the fur trade, resistance and accommodation to European expansion, the emergence of revitalization movements, demographic changes, and population shifts. Special emphasis will be placed on the ethnohistory of the native peoples of what is now Canada and northern United States.
CR: Anthropology 3525

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 upon 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

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.
CO: HIST 1100, 1101 and an additional 6 credit hours in History or permission of the instructor
PR: HIST 1100, 1101 and an additional 6 credit hours in History or permission of the instructor

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 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 (F and W) 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

10.17 Human Kinetics and Recreation (HKR)

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

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: 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

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

10.18 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 Six Texts That Changed the World is a study of six humanities texts which have helped to shape Western Civilization. The course is a designated writing (W) course.
PR: HUMN 1001

2001 Humanities in 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 Humanities in 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 Humanities in 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 in Humanities 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 in Humanities 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 Humanities Postmodern 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

10.19 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, 1080, 1081, 1090, 1150, 1151.

Mathematics courses are designated by MATH and Statistics courses are designated by STAT.

102F, 103F and 104F Mathematics Skills Program are non-credit courses intended for those students who either have a weak background in mathematics or are returning to the subject after some years. The program enables students to master mathematical operations such as those involving whole numbers, fractions, decimals, percents, integers, exponents, linear equations, algebraic and rational expressions, formulas, graphs, systems of linear equations, basic trigonometry, exponents and radicals, and quadratics.

1000 Calculus I is an introduction to differential Calculus including logarithmic, exponential and trigonometric functions.
CR: MATH 1081
LH: 1.5
PR: MATH 1090 or a combination of placement test and high school Mathematics scores acceptable to the Department

1001 Calculus II is an introduction to integral Calculus with applications. In addition to three lectures per week there will be a one and one-half hour problem lab.
CR: the former Engineering 1411 and the former Engineering 2413
PR: MATH 1000 or MATH 1081

1050 Finite Mathematics I covers topics which include sets, logic, permutations, combinations, and elementary probability.
CR: the former MATH 1150. With the exception of those already admitted at the time of registration in this course to a Bachelor of Education program that requires this course, 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
LC: 4
PR: a combination of placement test and high school mathematics scores acceptable to the Department, or MATH 103F

1051 Finite Mathematics II covers topics which include elementary matrices, linear programming, elementary number theory, mathematical systems and geometry.
CR: the former MATH 1151. With the exception of those already admitted at the time of registration in this course to a Bachelor of Education program that requires this course, 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.
LH: 1.5

PR: a combination of placement test and high school mathematics scores acceptable to the Department, or MATH 103F

1090 Algebra and Trigonometry (F and W) 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: MATH 1000, MATH 1001, MATH 1080, or MATH 1081
LH: 3
PR: a combination of placement test and high school Mathematics scores acceptable to the Department or MATH 104F
UL: credit will not be given for MATH 1090 if any of MATH 1000, MATH 1001, the former MATH 1080, or the former MATH 1081 have been completed

2000 Calculus III is a study of the differential calculus of functions of two variables, an introduction to convergence of infinite sequences and series.
CR: the former Engineering 1411, the former Engineering 1412, the former Engineering 2412, the former Engineering 2413
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.
CR: the former Engineering 2402
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 or 1710 or 2710 or 2602 or permission of the Head of Department).

2320 Discrete Mathematics are basic concepts of mathematical reasoning, sets and set operations, functions, relations including equivalence relations and partial orders as illustrated through the notions of congruence and divisibility of integers, mathematical induction, principles of counting, permutations, combinations and the Binomial Theorem.
CR: the former Computer Science 2740
PR: MATH 1001 or MATH 2050

2500 Statistics for Business and Arts Students is descriptive statistics (including histograms, stem-and-leaf plots and box plots), elementary probability, discrete random variables, the binomial distribution. the normal distribution, sampling distribution, estimation and hypothesis testing including both one and two sample tests, paired comparisons, chi-square test, correlation and regression. Related applications.
CR: STAT 2510, STAT 2550, Psychology 2910, Psychology 2925 and the former Psychology 2900.
LH: 1.5
PR: MATH 1000 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 Life Science Students is an introduction to basic statistics methods with an emphasis on applications to life sciences and, in particular, to biology. Material includes descriptive statistics, elementary probability, binomial 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: STAT 2500, 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 (F and W) is proof techniques, structure of R, sequences, limits, continuity, uniform continuity, differentiation.
CR: the former MATH 2001
LH: 1
PR: MATH 2000

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

3260 Ordinary Differential Equations I 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 Engineering 3411
PR: MATH 2000

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

3330 Euclidean Geometry is classical Euclidean geometry of the triangle and circle. The inversion transformation, including the theorem of Feuerbach. Elliptic and hyperbolic geometries.
PR: MATH 2051 or 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 (secrecy 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.
OR: one and a half hour tutorial period weekly
PR: MATH 2000

10.20 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 Head of the Division.

Philosophy courses are designated by PHIL.

1200 Principles of Philosophy (same as the former PHIL 2200) is a general introduction to the study of Philosophy both as a contemporary intellectual discipline and as a body of knowledge. The course covers the main divisions, fundamental questions and essential terminology of Philosophy through a reading of classical texts (It is a required course for further courses in Philosophy programs. It is intended for students in first year who have completed one semester of university education).
CR: the former PHIL 2200

1600 Philosophy of Human Nature 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.
CR: former PHIL 1001

2210 Logic is an introduction to traditional and modern logic open in any year to all students wishing acquaintance with basic logical skills.

2220 Principles of Human Knowledge are various concepts of knowledge - empirical, rational, transcendental, systematic. Their metaphysical grounds and implications. The concept of scientific knowledge; real and abstract entities; objectivity and subjectivity.

2551 Health Ethics examines concepts of health and illness and their ethical implications.
CR: the former PHIL 2803

2561 Environmental Ethics examines concepts of nature and their ethical implications.

CR: the former PHIL 2809

2581 Philosophy of Film 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 idea in film. A film or films will accompany each section.

2701 History of Ancient Philosophy (same as Classics 2701) is a survey of the origin and development of Western philosophy among the Greeks and Romans.
CR: Classics 2701

2702 History of Modern Philosophy is survey of the development of western Philosophy since the seventeenth century.
CR: the former PHIL 3700, the former PHIL 3701, and PHIL 2702

3400 Political Philosophy is leading philosophical ideas concerning the origin and justification of political institutions.

3610 Philosophy and Literature is a study of the interrelationship of thought and imagination in philosophical and literary forms of writing.

3730 Plato is selections from the works of the Greek "lovers of wisdom" - the first philosophers - particularly Plato.

3740 Aristotle is the works and legacy of perhaps the most influential systematic thinker of all time.

3860 Hegel is selections from Hegel's system with emphasis on the nature of dialectical and speculative philosophy and its enormous influence in the present time.

3940 Existentialism is the philosophy and literature of Existentialism from Kierkegaard, Nietzsche and Dostoevsky to Sartre, de Beauvoir and Camus.
CR: PHIL 3940

4250 Seminar in Metaphysics and Epistemology

4700 Seminar in Special Authors and Texts will have topics to be studied announced by the Department.

10.21 Physics

Physics courses are designated by PHYS.

1020 Introductory Physics I is a non-calculus based introduction to mechanics.
CO: Mathematics 1090
CR: PHYS 1050
LH: 3
PR: Level III Advanced Mathematics or Mathematics 1090. It is recommended that students have completed at least one of level II and level III high school physics courses, however this course may be completed by someone who has no physics background provided some extra effort is made.

1021 Introductory Physics II is a non-calculus based introduction to fluids, wave motion, light, optics, electricity and magnetism.
CO: Mathematics 1000
LH: 3
PR: PHYS 1020 or PHYS 1050 and Mathematics 1000.

1050 General Physics I: Mechanics is a calculus based introduction to mechanics. The course will emphasize problem solving.
CO: Mathematics 1000
CR: PHYS 1020
LH: 3
PR: Mathematics 1000, which may be taken concurrently

1051 General Physics II: Oscillations, Waves, Electromagnetism is a calculus based introduction to oscillations, wave motion, physical optics and electromagnetism.
CO: Mathematics 1001
LH: 3
PR: PHYS 1050 or PHYS 1021 or PHYS 1020 (with a minimum grade of 65%) and Mathematics 1001.

2056 General Physics VI: Modern Physics (W) 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.

2065 Experimental and Computational Physics is laboratory techniques, including experimental method and design. Data analysis, including application of statistics to experimental physics. Numerical analysis using Maple, and an introduction to modelling in physics. Topics are introduced through experiments, complementary lectures, and library research of some of the great experiments of physics.
CO: Mathematics 2050
LH: 3
PR: PHYS 1051 (or the former PHYS 2054), Mathematics 1001, and Mathematics 2050. Students who have completed PHYS 1020/1021 will be allowed to register for PHYS 2065 with the permission of the Instructor and the Program Chair.

2151 Stellar Astronomy and Astrophysics (W) 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: six credit hours in Mathematics at the first year level

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: PHYS 1021 or 1051 and Mathematics 1000 or equivalent

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 3260
LH: 3
PR: PHYS 1051 and Mathematics 3260

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: PHYS 2056, 2151 and Mathematics 2000. PHYS 3220 is recommended.

3220 Classical Mechanics I is kinematics and dynamics of a particle. Moving reference systems. Celestial mechanics. Systems of particles.
CO: Mathematics 3260
PR: PHYS 2820 and Mathematics 3260

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 3260, and PHYS 3810 (Mathematics 3202)

10.22 Political Science

Political Science courses are designated by POSC.

1000 Introduction to Politics iis 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 seeking an introduction to Political Science.

1010 Canadian Political Problems explores some of Canada’s most pressing and interesting political issues. This course profiles important political problems facing federal and provincial politicians and society. Suitable for students in all disciplines who have an interest in Canadian politics and who wish to develop a basic awareness of Canadian government.

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 is an introduction to classics and controversies in the understanding of political behaviour. Topics include political culture and individual behaviour, public opinion, voting and elections, political participation, psychological dimensions of activism, and social movements.

2600 Introduction to Public Policy and Administration outlines major concepts in, and issues relating to, the fields of public policy and administration. Examines and assesses government organization and decision-making. Topics may also include social, economic and health policy.
CR: the former POSC 3540

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

3550 Politics and the Environment 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.

3731 Environmental Policy 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.

10.23 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 2510, Statistics 2550, and the former Psychology 2900

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

10.23.1 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 and 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

10.23.2 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 2625 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

10.23.3 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 St. John's, 30 credit hours in Psychology courses required in the majors program and admission to a Major in Psychology or Behavioural Neuroscience or, at Grenfell, 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 4951
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

10.23.4 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

10.24 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 Introduction to 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.

2050 Introduction to 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. This course may qualify as a Research/Writing course. Consult each semester's registration materials for the R/W designation.

2051 Introduction to 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 Sociology/Anthropology 2350) is psychological, anthropological, and sociological approaches to the nature of religion. Comparative study of religious institutions and beliefs, calendrical feasts and solemnities, the nature of sacrifice and the sacred, religious roles and hierarchies, ritual innovation and revitalization.
CR: Sociology/Anthropology 2350

2400 Introduction to Buddhism is a study of the history of the Buddhist tradition in India and China, the development of the main lines of Buddhist thought, and the nature of the Chinese transformation of Buddhism.
CR: the former RELS 3400

2410 Introduction to Hinduism involves a study of the religious thought and history of India, the literature of Hinduism, the major thinkers in Hindu philosophy, and the role of Hinduism in the culture and society of India.
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: His Life and Teaching is a study of the ministry and thought of Jesus of Nazareth as contained in the Gospels and other New Testament writings. Attention will be given to the methods and conclusions of recent scholarship as applied to his principal teachings and to the study of the historical Jesus.

3210 Paul and His Writings is a study of the Pauline writings and an appraisal of the contribution to Christianity of his mission and theology on the basis of New Testament and other relevant material. Particular attention will be given to such related themes as salvation, reconciliation, grace, and justification.

3310 Judaism at the Beginning of the Christian Era will explore the developments in Jewish thought, institutions, beliefs, and practices during the time when Greek and Jewish cultures encountered one another and in which Jesus of Nazareth lived.
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 Spirituality and the Earth is an examination of the attitudes of various religious traditions to the environment. Special attention will be paid to Native American spirituality.
CR: 3 credit hours in Religious Studies beyond the first year level or departmental permission

10.25 Science

Science courses are designated by SCI.

3000 Concepts, Methods and Issues in Science I is the origin of the universe; formation of matter and its nature; origin of the solar system; evolution of the earth and its biosphere; theories of origins of life; mechanisms of evolution and speciation.
PR: at least 45 credit hours
UL: may not be used towards fulfilment of the 78 Science credit hours required for the Bachelor of Science Degree

3001 Concepts, Methods and Issues in Science II is genetic and molecular engineering; behavioural biology: genetic determinism versus environmentalism; artificial intelligence. The paradoxes of the quantum world; the scientific method; science and pseudoscience.
PR: completion of at least 45 credit hours
UL: may not be used towards fulfilment of the 78 Science credit hours required for the Bachelor of Science Degree

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. This will be a designated Writing Course.
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. This will be a designated Writing Course.
PR: This course is 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. This will be a designated Writing Course.
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. This will be a designated Writing Course.
PR: SCI 4951 and permission of the Program Chair

10.26 Social/Cultural Studies

Social/Cultural Studies courses are designated by SCCU.

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

10.27 Sociology

Sociology 1000 or Sociology 2000 are prerequisites for all further Sociology courses except Sociology 2250 and those cross-listed with Anthropology. Credit is not given for both Sociology 1000 and 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.

2000 Introduction to Sociology is an introduction to the concepts, principles, and topics of Sociology. Th is course is restricted primarily to first-year students.
CR: 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.

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

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

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

2610 Socialization is an examination of the social and social psychological processes by which individuals become members of human groups.
CR: the former SOCI 4610

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) 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.

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.

10.28 Sustainable Resource Management

Sustainable Resource Management courses are designated by SRMG.

2000 Sustainable Resource Management I: Marine and Terrestrial Environments is an introduction to the interdisciplinary field of sustainable resource management, including marine and terrestrial environments. The course focuses on sustainable practices rather than profit or resource extraction optimization. First Nations' perspectives will also be considered.
PR: Geography 1000 or Geography 1050

2001 Sustainable Resource Management II: Industry-Specific Approaches develops the topics presented in Sustainable Resource Management 2000 with reference to specific industries such as the fishery, forests, mining, oil and gas, soils, and water. This course traces the importance of resources in their historical context both locally and globally.
PR: SRMG 2000

3000 Regional Planning and Management is an introduction to the concepts and processes of regional planning, development, and management. The course addresses planning history and dominant historical contributions to regional, urban, and rural morphology. Planning theory, planning practice, and management strategies are studied.
PR: SRMG 2000 and SRMG 2001

3001 Environmental Planning and Management focuses on balancing economic growth and environmental objectives. Environmental risk analysis, environmental auditing, and First Nations' perspectives will also be studied.
PR: SRMG 3000

3002 Biodiversity focuses on the three dimensions of biodiversity (genetic diversity, species diversity, and ecosystem diversity) and their relationships. Biodiversity will be addressed from an interdisciplinary perspective as genes, species, and ecosystems are of economic and biological interest.
PR: Biology 1001, SRMG 2000, and SRMG 2001

4000 Remote Sensing, Image Interpretation, and Resource Management builds on topics introduced in Environmental Studies 2000 and Environmental Studies 3001. The course addresses the use of remotely-sensed images to track the location, health, and variety of natural resources such as forests, crops, and migratory populations. The lab

component of the course employs GIS, GPS, satellite imagery, and aerial photography to address research concerns such as oil spills, forest fire management, iceberg tracking, ocean temperature monitoring, mining exploration, and oil and gas development.
LH: 3
PR: Environmental Studies 2000 and Environmental Studies 3001

4001 Renewable and Non-Renewable Energy Resources presents an interdisciplinary approach to renewable and non-renewable energy resources and their management. The course examines the existing industrial economy's dependence on fossil fuels and studies renewable energy resources such as wind, solar, and geothermal.
PR: SRMG 2000

4002 Risk Assessment and Management is an introduction to risk assessment and management as interdisciplinary processes.
PR: Environmental Studies 4000

4003 Environmental Law is an introduction to laws protecting the environment in Canada and elsewhere. The course examines environmental rules and activities through the study of legal precedents and contexts. Laws and policies of the federal, provincial, and local levels of government (including those pertaining to First Nations) are addressed insofar as they affect the environment. Case studies are employed.
PR: Environmental Studies 1000 and SRMG 2000

4010 Research Seminar in Sustainable Resource Management is the senior seminar in which selected sustainable resource management topics are examined from an interdisciplinary perspective. The seminars are presented on current research and environmental issues by faculty, students, and guest speakers from universities, government, and industry.
PR: Enrolment in the final year of the Sustainable Resource Management program or permission of the program Chair.

4901-4910 Special Topics in Sustainable Resource Management will have topics to be studied announced.
PR: SRMG 2000 and SRMG 2001

4950 Independent Research Project requires that students carry out an approved project on a topic in Sustainable Resource Management and prepare a major paper under the supervision of a faculty member. Students will undertake both a systematic literature review and independent research.
PR: Permission of the Sustainable Resource Management Chair

10.29 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 Stagecraft majors.
AR: attendance is required
OR: 6 hours of studio per week

1020 Introduction to Stagecraft 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 Stagecraft 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 Stagecraft I is an introductory course for those majoring in stagecraft. 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

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 Stagecraft II are second level courses for the Stagecraft 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 is 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 Stagecraft is in each case work for Stagecraft 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 Stagecraft III are intermediate courses for Stagecraft 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 (Stagecraft) are courses for stagecraft 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 is 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-Stagecraft is in each case work, for Stagecraft 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 4011, 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 Stagecraft IV is an advanced course for Stagecraft 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 aesthetical 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 he/she 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 (Stagecraft) 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-Stagecraft is work for Stagecraft 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

10.30 Tourism

Tourism courses are designated by TRSM.

10.30.1 Core Program Course Descriptions

1000 Principles of 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.
CR: HKR 3565

1100 Perspectives in Tourism is an examination of tourism and the ideals, beliefs, institutions, and experiences that contribute to culture. The course will emphasize the application of the humanities and social sciences to such areas as heritage, tradition and history. The student will gain an understanding of, and appreciation for, the importance of literary, aesthetic, philosophical and religious traditions.
PR: TRSM 1000

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 and TRSM 1100

2201 Tourism Marketing explores marketing processes, concepts and methods, with special interest in the initiation, development and management of new tourist enterprises. Other topics include: societal marketing philosophy, the marketing mix as it relates to tourism, market research, consumer behaviour, branding and services marketing, and the implications of transportation systems on tourism activities, services marketing, sustainable tourism marketing, and e-marketing.
CR: Business 1210 and HKR 3565
PR: TRSM 1000 and TRSM 1100

3010 Issues in Ecotourism will, through the use of cases, examine philosophical, historical and contemporary issues and challenges in resource recreation and ecotourism. Opportunities for tourism activity based on special or unique ecological considerations and other forms of alternative tourism are examined, as are issues around the sustainability, impacts, risk management, programming, tour operation, ethics, development, marketing and parks management.
PR: TRSM 3100. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

3100 Resource Valuation and Tourism Activity Impact Assessments considers contemporary issues in the allocation of scarce natural and cultural resources demanded by tourism activity, and the determinants of the demand and supply for tourism recreation. Students will examine the impacts of those tourism and leisure activities upon natural systems (e.g., cultural, ecological, socio-cultural, etc.) and economies, (local, regional, etc.). Visitor impacts will also be considered.
PR: Statistics course, Economics 2010 and Economics 2020. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies

3800 Colloquium in Tourism Management (Applied Interpretation) will have during this course, three tourism practitioners from the region and beyond will hold seminars. The meetings are organized as "master classes," with direct interaction between the students and the outside experts. Depending on the practitioners, the specific focus of the tourism management may include reference to Ecology, Botany, Marine Aquatic contexts, Bird Watching, Field Guiding, Wildlife, Geography, Geology, Protected Sites, Museums and Cultural Interpretation, and Arts Programming.
PR: TRSM 3100. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

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: Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

4010 Community and Cultural Issues in Tourism is a case-based course examines cultural diversity and developing sensitivities around an appreciation of one's own and other culturally-bound leisure and tourism activities. Students will build skills in areas such as inclusive planning, communication and negotiation, the changing nature of international tourism, identifying synergies and potential links with global partners (e.g., NL and Ireland).
PR: Students must have completed 78 credit hours, and have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

4900-4910 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: TRSM 1000 and TRSM 1100. Students must have completed 78 credit hours, and have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

4950 Senior Project in Tourism will have students, under the guidance of a faculty member, complete an independent research project and produce a report. Topics must have the approval of the Program Chair of Tourism Studies.
PR: Students must have completed 78 credit hours, and have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

10.30.2 Electives Course Descriptions

2300 Hospitality Management introduces students to the organization and structure of resorts, hotels, restaurants, and cruise ships. Areas of

consideration include business ethics, service contracts, areas of management responsibility such as strategic planning, the evaluation of financial, environmental and human resources considerations.
PR: TRSM 1000 and TRSM 1100

2301 Events Management provides an introduction to the principles and practices of event/festival management. The material will include the development of event attractions and facilities, and consideration of specific implications of planning in the areas of finance, human resources, environment, marketing, and quality management. In addition, special consideration is given to the infrastructure requirements, volunteers, sponsorship, fund raising, event planning, marketing and economic and tourism impacts of festivals and other events.
PR: TRSM 1000 and TRSM 1100

2305 Arts Administration and Exhibition Management aims to present and apply various approaches in tourism and cultural theory in the context of contemporary cultural performance and exhibition. Students will learn principles of arts administration, as well as current debates in museology and cultural representation.
PR: TRSM 1000 and TRSM 1100

3210 Interpretation of Natural Resources covers the principles and practice of interpretation as a component of ecological resource recreation. This course would introduce the student to the practice of interpretation. Concentration would be on interpretation of natural resources (e.g., rocks, fossils, plants, animals, weather, geomorphology, etc.).
PR: TRSM 1000 and TRSM 1100. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

3211 Interpretation of Cultural Resources covers the principles and practice of interpretation of cultural heritage resource recreation. The techniques include written and oral interpretation materials, as well as the "living interpretations" used in historical and cultural settings. Concentration would be on interpretation of cultural resources (e.g., artifacts of previous indigenous cultures, etc.).
PR: TRSM 1000 and TRSM 1100. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

3220 Conservation Planning examines attitudes, values and approaches around conservation, preservation, utility, stewardship and management of natural and cultural artifacts. Ecological and Cultural Heritage conservation programs, strategies, policies and legislation are also surveyed.
CR: HKR 3555
PR: TRSM 1000 and TRSM 1100. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

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.
CR: HKR 3555
PR: TRSM 1000 and TRSM 1100. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

3240 Cultural Heritage 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 and TRSM 1100. Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

4020 Seminar in Rural and Remote Tourism provides and overview of tourism as it intersects with rural development theory, processes and planning. In addition, the course examines various social, environmental, cultural and economic problems, consequences and opportunities within a rural/peripheral area context (e.g., visitor attraction and accommodation, special transport issues).
PR: Students must completed 78 credit hours, and have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies.

10.31 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.

10.32 Visual Arts

Visual Arts courses are designated by VART.

10.32.1 1st Year

100A/B Drawing I is the fundamentals of drawing with study of line, tone, shape, volume, form, texture, space. Emphasis on drawing the human figure and studio problems.
AR: attendance is required
CO: VART 110A/B and VART 120A/B
OR: 6 hours of studio per week

110A/B Two Dimensional Design and Media is principles of colour theory and colour mixing. Painting techniques in various media. Emphasis on rendering of form in space and organization of two dimensional surface through studio problems.
AR: attendance is required
CO: VART 100A/B and VART 120A/B
OR: 6 hours of studio per week

1000 Introduction to Two-Dimensional Media is an introduction to two-dimensional media (design, drawing and painting) that will provide students with both studio experience and an increased sensitivity to aesthetic concerns. Students will investigate design principles through an exploration of visual fundamentals. The course will also cover basic drawing, including drawing from life and will introduce the study of colour through the use of a variety of media. These concepts will be explored through lecture and/or studio experiences. Students are not expected to have previous drawing or art experience.
AR: attendance is required
OR: 3 hours of studio per week

1001 Introduction to Process Based Media is an introduction to process-based media that will provide students with both studio experience and an increased sensitivity to aesthetic concerns. Students will be shown the fundamental concepts of a variety of process-based media with selections being made from the media of printmaking, sculpture and photo media (photography, digital imaging, performance, video). These concepts will be explored through lecture and/or studio experiences. Students are not expected to have previous art experience.
AR: attendance is required
OR: 3 hours of studio per week

120A/B Three Dimensional Design and Media is three dimensional form and spatial organization. Exploration of sculptural media through studio problems.
AR: attendance is required
CO: VART 100A/B and VART 110A/B
OR: 6 hours of studio per week

10.32.2 2nd Year

2000 Second Year Drawing I is development of drawing skills with emphasis on the human figure and studio problems.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2001 Second Year Drawing II is a continuation of the work begun in VART 2000.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2000

2100 Introductory Painting I is painting media applied to problems of spatial structure, light, colour, volume and surface relationships.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2101 Introductory Painting II is a continuation of the work begun in VART 2100.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2100

2200 Introductory Sculpture I is development of accurate and expressive control of three-dimensional media.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2201 Introductory Sculpture II is a continuation of the work begun in VART 2200.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2200

2300 Introductory Printmaking I - inactive course.

2301 Introductory Printmaking II - inactive course.

2310 Introductory Printmaking: Relief is an intensive exploration of Relief Printmaking concepts and techniques using wood and lino.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2311 Introductory Printmaking: Intaglio is an intensive exploration of Intaglio Printmaking concepts and techniques. Also includes monoprint and collograph experience.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2320 Introductory Printmaking: Serigraphy is an intensive exploration of Serigraphic Printmaking concepts and techniques.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2321 Introductory Printmaking: Lithography is an intensive exploration of Lithographic Printmaking concepts and techniques.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2400 Introductory Photography I is basic techniques of black and white photography including negative exposure, film development and print production.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2401 Introductory Photography II is a continuation of the work begun in VART 2400.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2400

2600 Introductory Digital Imaging I is an introduction to the computer as an art-making tool. Computer basics. Creation acquisition, manipulation and output of digital images using several applications.
AR: attendance is required
PR: VART 100A/B, VART 110A/B, and VART 120A/B

2601 Introductory Digital Imaging II is a continuation of the work begun in VART 2600. Students will learn to create original artworks directly on the computer and how to incorporate images from other sources using a colour scanner. The ethics, aesthetics and theory of digital image-making for artists will also be addressed.
AR: attendance is required
PR: VART 2600

2900-2909 Special Topics in Visual Arts is a range of introductory topics that might include: Textile Practices, Japanese Woodblock, Introduction to Time Based Media.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 110A/B, VART 120A/B, VART 2700, VART 2701, and permission of the Program Chair

10.32.3 3rd Year

3000 Intermediate Drawing I is further development of drawing skills.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2001

3001 Intermediate Drawing II is a continuation of the work begun in VART 3000.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 3000

3100 Intermediate Painting I is continued development of painting stressing personal expression and critical awareness.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2101

3101 Intermediate Painting II is a continuation of VART 3100.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 3100

3200 Intermediate Sculpture I is continued development of skills in sculpture media.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2201

3201 Intermediate Sculpture II is a continuation of VART 3200.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 3200

3300 Intermediate Printmedia I is projects in Printmedia. In consultation with the instructor students will select the medium or combination of media in which to work.
AR: attendance is required
CR: the former VART 3310 and 3220
OR: 6 hours of studio per week.
PR: 6 credit hours from any of VART 2310, 2311, 2320, 2321

3301 Intermediate Printmedia II is projects in Printmedia. In consultation with the instructor students will select the medium or combination of media in which to work.
AR: attendance is required
CR: the former VART 3311 and VART 3321
OR: 6 hours of studio per week
PR: VART 3300

3350 Directed Studies in Printmaking is a professional work/study experience in Printmaking. The student will undertake his or her own projects in Printmaking. In addition, he/she will assist the Director and/or Master printer at St. Michael's Printshop in the day to day operations of the studio. The student will be 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 2310, VART 2311, VART 2320, or VART 2321, and permission of the Program Chair

3400 Intermediate Photography I is critical evaluation of photographs. Continued development of photographic skills, use of colour and larger camera formats.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 2401

3401 Intermediate Photography II is a continuation of VART 3400.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 3400

3500 Combined Media I is thematic projects in combined media. In consultation with the instructor students will select the combination of media in which to work.
AR: attendance is required
OR: 6 hours of studio per week
PR: permission of the Program Chair or 48 credit hours in Visual Arts courses

3501 Combined Media II is a continuation of VART 3500.
AR: attendance is required
OR: 6 hours of studio per week
PR: VART 3500

3510 Digital Multi-Media I is an exploration of computer based multi-media production on the computer involving 2-D and 3-D graphics, animation, video, sound and text.
AR: attendance is required
PR: VART 2601

3511 Digital Multi-Media II is a continuation of the work begun in VART 3510. Students will learn how to create original artworks directly on the computer and how to incorporate still images, moving images, sound and text using a colour scanner, video camera, video cassette recorder, midi devices, etc. The ethics, aesthetics and theory of digital multi-media production for artists will also be addressed.
AR: attendance is required
PR: VART 3510

3900-3929 Special Topics in Visual Arts is 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: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, VART 120A/B, VART 2700, VART 2701, and permission of the Program Chair

10.32.4 4th Year

4900-4929 Special Topics in Visual Arts is a range of senior topics that might include: Photo Journalism, Art and Politics, Community Practices,

Environmental Practices.
AR: attendance in required
OR: 6 hours of studio per week
PR: VART 100A/B, VART 110A/B, VART 120A/B, VART 2700, VART 2701, and permission of the Program Chair

4950 Independent Projects in Studio I will have students, under the supervision of a faculty member, produce an independent body of exploratory work and a related written artist statement and description of the progress and development of their work, and attend meetings with their faculty advisor. Students are required to submit work for evaluation at three critiques during the semester, and present a body of work and written documents to their advisor at the end of semester.
AR: attendance is required
PR: 54 credit hours of studio courses

4951 Independent Project in Studio II will have students, under the supervision of a faculty member, produce an independent body of consistent work, and attend meetings with their faculty advisor. Students are required to submit work for evaluation at three critiques during the semester, and present a body of work and written documents to their advisor at the end of semester.
AR: attendance in required
PR: VART 4950

10.32.5 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 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.

10.33 Women's Studies

Women's Studies courses are designated by WSTD.

2000 An Interdisciplinary Introduction to Women's Studies is an interdisciplinary introduction to the major concepts, issues and debates of Women's Studies.

2001 Women and Science 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.

3000-3010 Special Topics in Women's Studies has a range of special topics in Women's Studies.

4000 Seminar in Women's Studies is an interdisciplinary seminar designed to focus on women's issues, and on theories and methodologies of women's studies.
OR: 3 hour seminar per week
PR: WSTD 2000 and 15 credit hours in other Women's Studies Program courses or the approval of the Instructor of WSTD 4000 and the Program Co-ordinator