





### Administrative Offices:

Located in Centennial Hall

#### Postal Address:

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#### Telephone Numbers:

Student Services  
(506) 364-2269 (Phone)  
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Student Life  
(506) 364-2255

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(506) 364-2242

President's Office  
(506) 364-2300

#### On the Web:

*Information regarding Mount Allison, including this Academic Calendar, is available on the World Wide Web.*

Mount Allison University's Home Page is found at  
<http://www.mta.ca/>

## The Calendar

This calendar reflects the University's regulations, and other information about the University, as of the date of its printing. However, these regulations are under constant review, and the University is continually changing. It is each student's responsibility to be familiar with University regulations and other information about the University which affects him or her, whether the regulations and other information are recorded in this calendar or not, and including any changes made from time to time to the said regulations and other information.

When changes are made in academic programmes, a student may elect to satisfy the requirements of the new programme or if it is still reasonably possible to do so, of the programme in effect at the time of first enrollment, provided no interruption in studies has occurred since that first enrollment.

Mount Allison University does not accept any responsibility for loss or damage suffered or incurred by any student as a result of the suspension or termination of services, courses or classes caused by reason of strikes, lockout, riots, weather, damage to University property or for any other cause beyond the reasonable control of Mount Allison.

Mount Allison has a non-discriminatory policy and does not discriminate against applicants and students on the basis of race, creed, colour, national or ethnic origin or sexual orientation. Such a non-discriminatory policy applies also to staff.

Sackville, New Brunswick, Canada

*Sackville is situated in the southeastern corner of New*

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# WELCOME TO MOUNT ALLISON UNIVERSITY

When you first arrive at Mount Allison, you know this University is special. The charming campus tells a tale of rich history, with historic buildings, antique books delicately bound, and stately portraits of past presidents and chancellors hanging in Convocation Hall. But Mount Allison also has its sights firmly set on the future. Underground, for example, the campus is connected by an intricate network of fibre-optic wiring, granting all on campus access to the Internet. Mount Allison was the first university in Canada to offer this access, and the University continues to embrace innovative technology in other new and exciting ways.

## OUR MISSION

Mount Allison University is committed to the creation and dissemination of knowledge in a community of higher learning, centred on undergraduate students, in an intimate and harmonious environment. Our teaching, research and creative enterprise are combined with extracurricular activities, in a liberal education tradition, that emphasizes development of the whole person. This integrated approach involves collaborative efforts among all members of the University community and leads to superior scholarship, cultural understanding and appreciation, personal and social maturation, leadership development and informed citizenship.

## WELL-ROUNDED STUDENTS IN A TIGHT-KNIT COMMUNITY

Mount Allison is primarily an undergraduate, liberal arts and science university with a controlled enrollment of approximately 2,250 full-time students. It has preserved the character of a compact, scholarly community to foster excellence in teaching, mentoring and student-centred research. A strong emphasis on extra-curricular activities, ranging from athletics to the exercise of student government complements the dedication to high academic performance. Mount Allison strongly supports the philosophy of developing the "whole student" intellectually, spiritually, socially, culturally and physically. It shapes leaders who are critical thinkers, problem solvers and creative participants in society. Moreover, our students agree that Mount Allison is more than a university...it's a way of life. If there is one common thread to Mount Allison students, it is their academic strength and their propensity of leadership. Mount Allison has produced 45 Rhodes Scholars, more per capita than any other university in the Commonwealth. The University has also graduated a number of Rotary International Scholars, Commonwealth Scholars, and in 1997, one of the first winners of the Canadian Cambridge Scholarship. Many graduates have become preeminent in their endeavours. Notable alumni include: playwright John Gray; artists Alex Colville, and Mary and Christopher Pratt; national broadcaster Ian Hanoomansing; former Lieutenant-Governor of New Brunswick Margaret McCain; former Lieutenant-Governor of New Brunswick Marilyn Trenholme Counsell and Imasco Chairman Purdy Crawford, who also served as Chancellor of Mount Allison.

## THE FACULTY

The University's faculty is talented and dedicated, exemplifying a strong blend of teaching and research. In a recent University survey, 100% of graduates felt their professors were approachable, which speaks volumes about the relationships between faculty and students at Mount Allison.

## AN EDUCATION SUITED TO THE 21ST CENTURY

Mount Allison offers Bachelor's degrees in Arts, Science, Commerce, Fine Arts and Music, as well as Master's degrees in Biology and Chemistry and Certificates in Bilingualism. In 1995, it revised its curriculum to give students even greater "depth and breadth" to their education as they enter the 21st century. A series of majors and minors was developed in the traditional disciplines and in a number of interdisciplinary areas such as International Relations, Canadian Public Policy, Japanese Studies and Cognitive Science. The Bachelor of Arts and Bachelor of Science degrees are achieved through completion of one of a specialized honours programme; a major plus a minor; a double major; or a general degree of three minors. In addition, each Arts and Science student takes at least six credits from each of four disciplinary areas of Arts and Letters, Humanities, Social Science, and Science. The revised requirements have resulted in very exciting intellectual opportunities for students, giving them a chance to examine problems and issues from a number of different perspectives. Prospective students often wonder about the purpose of receiving a bachelor's degree from a liberal arts institution in a globally competitive economy. The usefulness of a bachelor's degree is not only found in personal development but also in professional areas. A degree from Mount Allison, or a few carefully selected courses or electives as part of a Mount Allison degree, may permit a student admission to a professional programme. Some of these programmes include medicine, dentistry, pharmacy, veterinary medicine, law, education, theology, social work, audiology and speech, occupational physiotherapy, optometry, architecture and nutritional programmes as well as many others. These professional programmes may be accessed upon successful completion of courses and/or a degree from Mount Allison and in combination with other requirements as appropriate (e.g. LSAT, MCAT, GRE, etc.). Interested students should consult the Academic and Career Counsellor for advice on course selection and the process to enter these professional programmes after their undergraduate career at Mount Allison.

## A REPUTATION FOR LEADERSHIP

For more than a century, Mount Allison has been recognized as a leader. Mount Allison was the first university in the British Empire to confer a Bachelor's degree to a woman; Grace Annie Lockhart received a Bachelor of Science in 1875. It was also the first university in Canada to grant a Bachelor of Arts to a woman, Harriet Starr Stewart. Mount Allison boasts the oldest university art gallery in Canada; it was the first to wire all of campus to the information highway; it was the first to offer a Canadian Studies programme; and it is a pioneer in the establishment of services for students with learning disabilities. In recent years, it has consistently been ranked the number-one undergraduate university in Canada by Maclean's magazine. A high-calibre faculty, outstanding students and financial stability are among the reasons why.

## HISTORICAL SKETCH

Founder Charles Frederick Allison's grandfather emigrated from Ireland in the late 1700s, as a result of a dinner with the local tax collector. Wanting to impress him, the family set the table with their one valuable

possession of silver spoons. After entertaining their guest, the Allisons were informed that if they could afford silver spoons, they could afford to pay more taxes. They left Ireland shortly thereafter. The spoons are on display in the main Library. In June 1839, Sackville merchant Charles Frederick Allison proposed to the Wesleyan Methodists that a school of elementary and high learning be built. His offer to purchase a site in Sackville, to erect a suitable building for an academy, and to contribute operating funds of 100 pounds a year for 10 years was accepted. The formal opening of the Mount Allison Academy for boys took place in 1843. In 1854, a branch institution for girls, known as the "Ladies College", opened to complement the Wesleyan Academy for boys. In July 1862, the degree-granting Mount Allison College was organized. The first two students graduated in May 1863. For nearly a century, Mount Allison functioned as three distinct, mutually enriching parts: the College proper, the Boys' Academy and the Ladies College. The closure of the School for Girls in 1946, and the Academy in 1953, coincided with a period of expansion and provided much-needed space. In 1958, the beginning of a period of construction and acquisition of buildings eased the strain of overcrowding. At this time, it was decided to reaffirm the traditional aim of providing a high-quality undergraduate liberal arts education, along with continuing to offer professional programmes in already-established fields. Mount Allison has a long and proud tradition, and part of that tradition has been the ability to evolve and to adapt to new and changing demands. It is very much a university of the 21st century, while remaining the direct and recognizable descendant of the first Wesleyan Academy of 1843.

## ONE OF THE MOST BEAUTIFUL CAMPUSES IN CANADA

The Mount Allison calendar for 1851 declared Sackville a "pleasant and healthy" community, "easy of access from all parts of the Lower Provinces." The Mount Allison buildings are "elegant, spacious and comfortable, and delightfully situated upon an elevation of ground." The facilities offered were, "all that could be desired, either for the enterprising Teacher to aid him in his work of instruction, or to the ambitious Student to facilitate his honourable progress." Writing styles have changed since then, but Mount Allison still continues to take pride in its campus. The campus encompasses about 76 acres, 45 buildings and one million square feet of assignable space. The tree and shrub count is about 1,100, giving the campus a tranquil, park-like setting. The physical surroundings are enhanced even further by the Swan Pond, a symbol of Mount Allison since its introduction in 1901. It has traditionally been the site of picnics, cultural events, orientation activities and wintertime skating. The past few years have witnessed a number of improvements to the facilities. Almost \$25 million was spent on much-needed repairs to buildings and grounds, including residences. A three-phase project to upgrade the underground steam and electrical tunnels was completed, and the University seized this opportunity to spruce up the landscaping, particularly in the heart of the campus. Improvements continue to take place to enhance the learning environment. For example, the opening of the Dr. Y.S. Wu Teaching Centre in 1996 provides faculty and students with state-of-the-art facilities for teaching and learning. Unlike some other institutions, this University has never moved from its original campus; it has expanded in area, but is still centred on that rise of ground named "Mount Allison" after the founder. The traditional use of red and grey local sandstone, plus continual efforts to beautify and upgrade facilities, offers a setting that honours the past, yet embraces the future.

## UNIVERSITY CHANCELLORS

Ralph Pickard Bell	1960-1968
Harold Roy Crabtree	1968-1977
Angus James MacQueen	1977-1985
Margaret Norrie McCain	1986-1994
Harold Purdy Crawford	1995-2000
James J Keith	2001-

## UNIVERSITY PRESIDENTS

Humphrey Pickard	1862-1869
David Allison	1869-1878
James Robert Inch	1878-1891
David Allison	1891-1911
Byron Crane Borden	1911-1923
George Johnstone Trueman	1923-1945
William Thomas Ross Flemington	1945-1962
William Stanley Hayes Crawford (Acting)	1962-1963
Laurence Harold Cragg	1963-1975
William Stanley Hayes Crawford	1975-1980
Guy Robertson MacLean	1980-1986
Donald Otis Wells	1986-1990
Sheila A. Brown (Interim)	1990-1991
Ian David Campbell Newbould	1991-2001
A. Wayne Mackay	2001-2004

## ACCREDITATION

Mount Allison University is a member of: The Association of Universities and Colleges of Canada and The Association of Commonwealth Universities

# GLOSSARY OF ACADEMIC TERMS AND CALENDAR OF EVENTS

## GLOSSARY OF ACADEMIC TERMS

This page provides a list of commonly used academic terms found in this calendar. The definitions provided are intended to help readers understand the outlines of academic regulations and programmes which follow.

### Academic Dismissal

Denial of all registration privileges for a minimum of three academic years because of failure to meet academic standards

### Academic Distinction

A designation awarded to any student completing an undergraduate degree with an overall Grade Point Average of at least 3.7 on all courses attempted

### Academic Probation

Permission to continue registration, subject to meeting terms required for returning to Good Standing

### Academic Semester

Either the September to December or the January to April portion

**Registration**

The process of choosing, enrolling in and paying fees for courses taken in an academic session

**Sessional GPA (Grade Point Average)**

An average calculated by dividing the total number of grade points obtained (credit hours x grade points) by the number of credit hours attempted during the academic session

**Summer Session**

The academic session that last from the beginning of July to mid-August

**Transcript**

An official document that lists the entire academic record of a student at an educational institution

**Transfer Credit**

Credit granted on a degree and/or certificate for work completed at another recognized institution. Transfer credits are not used in calculation of any Grade Point Average



## CALENDAR OF EVENTS 2004-2005

August 30	Monday	Arrival of new international students, international orientation begins	Mar. 1	Tuesday	Deadline for returning students to apply to transfer to Music programme
Sept. 2	Thursday	Arrival of new students	Mar. 1	Tuesday	Meeting of the Faculty Council
Sept. 2	Thursday	Beginning of orientation	Mar. 4	Friday	End of withdrawal period for second term 3 credit courses
Sept. 4	Saturday	Returning students may enter residence. Supplemental Exams for eligible students	Mar. 16	Wednesday	Meeting of the Senate
Sept. 6	Monday	Labour Day — no classes	March 25	Friday	Good Friday — no classes
Sept. 7	Tuesday	Classes begin	Apr. 1	Friday	Deadline for returning students to apply to transfer to the B.F.A. programme
Sept. 15	Wednesday	Last day for change in registration in first term 3 credit courses	Apr. 5	Tuesday	Joint meeting of the Faculty Council and the Senate
Sept. 16	Thursday	Last day to make Fall fee payment without penalty	Apr. 6	Wednesday	Last day of classes in second term
Sept. 21	Tuesday	Last day for change in registration in year long 6 credit courses	Apr. 8	Friday	Final exam period begins (evening)
Sept. 28	Tuesday	Meeting of the Senate	Apr. 15	Friday	Deadline for returning students to apply to transfer to B.A., B.Sc., or B.Comm. programmes
Sept. 30	Thursday	Deadline for application to graduate	Apr. 19	Tuesday	Last day for exams. Correspondence exams will be written on this date
Oct. 7	Thursday	Meeting of the Faculty Council	May 5	Thursday	Meeting of the Faculty Council (a.m.)
Oct. 11	Monday	Thanksgiving Day — no classes	May 5	Thursday	Meeting of the Senate (p.m.)
Oct. 20	Wednesday	Meeting of the Senate	May 9	Monday	University Convocation
Oct. 29	Friday	End of withdrawal period for first term 3 credit courses			
Nov. 3	Wednesday	Meeting of the Faculty Council			
Nov. 11	Thursday	Remembrance Day — no classes			
Nov. 18	Thursday	Meeting of the Senate			
Nov. 26	Friday	Deadline for registration and residence deposits for students admitted for the academic session commencing in January			
Dec. 3	Friday	Last day of classes			
Dec. 6	Monday	Final exam period begins for the first term 3 credit courses and mid-year tests in 6 credit courses			
Dec. 6	Monday	Meeting of the Faculty Council			
Dec. 16	Thursday	Last day for exams. Correspondence exams will be written on this date			
Dec. 16	Thursday	Meeting of Senate			
Jan. 1	Saturday	Returning students may enter residence			
Jan. 3	Monday	Classes resume			
Jan. 3	Monday	Deferred exams in first term 3 credit courses (to be written in the evening)			
Jan. 6	Thursday	Meeting of the Faculty Council			
Jan. 11	Tuesday	Last day for change of registration in second term 3 credit courses			
Jan. 12	Wednesday	Last day to pay account balance without penalty			
Jan. 14	Friday	End of withdrawal period for year long 3 and 6 credit courses			
Jan. 19	Wednesday	Meeting of the Senate			
Feb. 2	Wednesday	Meeting of the Faculty Council			
Feb. 17	Thursday	Meeting of the Senate			
Feb. 19 - Feb. 27	Saturday to Sunday	Week of independent study — no classes			



# 3 ADMISSION

## 3.1 CONTACT INFORMATION

All correspondence regarding admission should be submitted to the Office of Student Services, Mount Allison University, 65 York St., Sackville, NB, E4L 1E4; phone (506) 364-2269; e-mail <admissions@mta.ca>. Application forms and a prospectus providing full information on admissions procedures are available from the Office of Student Services and on the web at <<http://www.mta.ca>>

## 3.2 ADMISSION TO THE UNIVERSITY

### 3.2.1 Admission Criteria

Mount Allison University recognizes a strong academic performance at the high school level as the primary indicator of university-level

Alberta, Northwest Territories, Nunavut: Four academic 30- or 31-level subjects of which at least four are departmentally examinable

Saskatchewan: Five academic 30-level subjects

Manitoba: Five academic 40- or 41-level or 45-level subjects

Ontario: Five academic OAC subjects, or five academic grade 12-level subjects (new curriculum)

Quebec: Five academic grade 12-level subjects, or Grade 11 and one year of an academic CEGEP programme. Only CEGEP courses with a credit value of 2.00 or higher will be considered for admission

New Brunswick: Five academic grade 12-level subjects

Prince Edward Island: Five academic 600-level subjects

Nova Scotia: Five academic grade 12-level subjects

Newfoundland: Ten credits in academic 3000- or 4000-level subjects. English Language 3101 and one of Thematic Literature 3201 or Literary Heritage 3202 must be included

## 3.5 NOTES ON ENTRY TO FIRST-YEAR COURSES

- Students enrolling in Chemistry 1001 should normally have completed a university preparatory-level\* course in Chemistry.
- Students enrolling in Computer Science 1711 should normally have completed a university preparatory-level\* course in Mathematics.
- Students enrolling in Economics 1000 should normally have completed a university preparatory-level\* course in Mathematics.
- Students enrolling in Mathematics 1111 should normally have completed a university preparatory-level\* course in Mathematics designed to prepare them for university calculus.
- Students enrolling in Physics 1051 should normally have completed a university preparatory-level\* course in Mathematics.

\*See section 3.3

## 3.6 REQUIREMENTS FOR NON-CANADIAN EDUCATION SYSTEMS

### 3.6.1 American School System

Students studying an American high school curriculum will be considered for admission provided they have successfully completed a selection of university/college preparatory courses and graduated from an accredited high school. The required academic standing is comparable to those outlined in sections 3.3 and 3.4. Scholastic Achievement Test (SAT) results are not required, but students are encouraged to submit their results.

### 3.6.2 General Certificate of Education (GCE)

For those studying towards the General Certificate of Education or the General Certificate of Secondary Education, (e.g. in the United Kingdom, West Indies, Bermuda, East and West Africa, Hong Kong) the University requires a minimum of two subjects at the Advanced 'A' Level and three at the Ordinary 'O' Level, or three at the 'A' Level and one at the 'O' level, with an overall average of 'C' and no subject below a 'D' grade. Two Advanced Standard (AS) Level courses may be used in place of one Advanced Level course.

### 3.6.3 International Baccalaureate

Students pursuing an International Baccalaureate (IB) diploma programme must include three courses in each of the higher and standard levels, with a minimum score of 4 in each subject and a minimum overall score of 28 points (excluding bonus points). Credit may be granted for specific higher level courses with minimum scores of 5 points (see section 3.9.1).

### 3.6.4 Baccalaureate

Students following France's system of education, must complete the requirements for the Baccalaureate with a minimum academic standing of 'Assez Bien'.

### 3.6.5 Other Educational Systems

Students studying in other educational systems are expected to satisfy the university admissions requirements of their own country, and must demonstrate a high level of accomplishment.

## 3.7 ENGLISH REQUIREMENTS

As English is the primary language of instruction at Mount Allison University, students must possess a mastery of English sufficient to follow lectures and to write assignments and examinations in English. All applicants will be required to provide evidence of English language proficiency. This evidence may take one of the following forms:

- Successful completion of at least three years of instruction in Canada at a secondary institution as recognized by Mount Allison University
- Successful completion of at least 30 credit hours (or equivalent) at a post-secondary institution as recognized by Mount Allison University where English is the primary language of instruction
- TOEFL score of 550 (paper test) or 213 (computer test)
- Michigan English Language Assessment Battery MELAB score of 85%
- International English Language Testing System (IELTS) score of 6.5
- Completion of the ELS USA Programme with a score of 109
- Canadian Academic English Language Assessment CAEL with an overall score of 70, and no sub-test result below 60

## 3.8 MATURE STUDENTS

Mature applicants who have not satisfied the admission requirements will be considered for admission upon submission of evidence of ability and motivation to successfully undertake university-level study. Usually mature applicants will not have been registered as full-time students for at least five years.

## 3.9 ADMISSION WITH ADVANCED STANDING

### 3.9.1 International Baccalaureate

The University grants a maximum of 18 credits on a 120-credit degree programme for higher level International Baccalaureate subjects completed with grades of 5, 6, or 7.

### 3.9.2 Collège d'Enseignement Général et Professionnel (CEGEP)

Students accepted to Mount Allison from the CEGEP system may receive up to 30 credits according to the criteria listed below:

CEGEP	Mt. Allison Credits Granted
16 courses	6
18 courses	12
20 courses	18
22 courses	24
24 courses	30

### 3.9.3 General Certificate of Education (GCE)

Students who have successfully completed Advanced 'A' Level papers



# 4 FEES

The following sections deal with fees, refunds and related matters. We want to ensure that the process of registering students in courses and residences goes as smoothly as possible. To ensure that this is the case,

Inquiries should be directed to the Office of Student Services. The following are the 2003/04 room communications and meal plan fees for the full academic year. They are subject to change for the 2004/05 academic year.

Room	
Double	\$3,230.00



### 4.3.2 Fall and Winter Payments by Part-Time Students

All fees for courses taken in the fall or winter semester are due and payable at the time of registration.

### 4.3.3 Fall Payments by Full-time Students

The fall semester payments due September 16, are in addition to the deposits listed.

Students are responsible for payment of fees by the fee deadlines. In the situations outlined in section 4.3.7 only, payments may be made that are less than these amounts. Registered students may view their accounts through Connect@MTA. Students are encouraged to use on-line banking or alternatively, to leave payment by cheque in the drop box, located outside the Office of Student Services on the first floor of Centennial Hall.

University services may be revoked if by the fall payment due date either 1) the correct fall payment has not been received, or 2) late payment arrangements have not been approved. See section 4.4.2. Therefore, please forward your payments well in advance of their due dates, and, if you cannot make your full payment on time, please consult as early as possible before the due date with a) the Financial Aid Officer in the Office of Student Services, if payment is delayed by the Canada Student Loans Programme or b) the General Accountant in Financial Services, if payment is delayed for other reasons.

### 4.3.4 Winter Payments by Full-time Students

All amounts pertaining to the winter semester are payable by January 12. Students are encouraged to use on-line banking or alternatively, leave post-dated cheques in the drop box, located outside the Office of Student Services on the first floor of Centennial Hall, before leaving campus in December. Notification concerning account balances based on winter registration which must be paid in January will be sent to students during the fall semester. Students admitted to the University beginning in January will be advised upon registration of the amount owing. The winter fees for students may change if courses are added or dropped after statements are prepared in the fall and before the due date for winter payments. Registered students may access their accounts through Connect@MTA.

University services may be revoked if by the winter payment due date either 1) the correct winter payment has not been received, or 2) late payment arrangements have not been approved. See section 4.4.2. Therefore, please forward your payments well in advance of their due dates, and, if you cannot make your full payment on time, please consult as early as possible before the due date with a) the Financial Aid Officer in the Office of Student Services, if payment is delayed by the Canada Student Loans Programme or b) the General Accountant in Financial Services, if payment is delayed for other reasons.

### 4.3.5 Fall and Winter Payments for Students Participating in Exchange Programmes

#### Fall Payments - Strasbourg Programme

For students participating in the Strasbourg exchange programme the

## 4.4 LATE FEES AND INTEREST CHARGES

### 4.4.1 Late Registration Deposit Processing Fee

A \$50 late payment processing fee will be charged if the University does not receive the Registration Deposit from returning students by the due date.

### 4.4.2 Services Reinstatement Fee

University services may be revoked in the case of dishonoured payments or failure to meet the defined payment schedule. Students wishing to have their services reinstated, including reinstatement of their academic programme, will be charged a services reinstatement fee of \$100.

### 4.4.3 Interest Charge

Interest will be applied to outstanding balances at the rate of 1.5% per month (19.56% per annum compounded).

### 4.4.4 Appeals of Academic Standing

Letters of appeal from students appealing their academic standing at the end of the academic year will only be forwarded to the Admissions and Re-admissions Committee for consideration if there are no outstanding fees payable on the students' accounts.

## 4.5 WITHDRAWALS AND STUDENT ACCOUNTS

### 4.5.1 Academic Withdrawals

Absence from classes does not constitute withdrawal.

Full-time students who wish to withdraw from the University must begin the process with the Dean of Students located in the Student Life Office, University Centre. Withdrawal is not effective until the Dean of Students has approved the withdrawal request. The date of withdrawal for the purpose of fee administration will be the date this approval is given.

Full-time and part-time students who wish to withdraw from one or more courses will be able to withdraw from all but the last course on-line using Connect@MTA. The date of withdrawal for the purpose of fee administration will be the date the withdrawal is effective on Connect@MTA. There will be no fee charged for courses dropped within the first week of classes. For withdrawals after the first week of classes, fees will be calculated as 15% of the tuition for the semester times the number of weeks since the first day of classes. Full tuition is charged for withdrawals after the sixth week of classes.

Students changing from full-time to part-time status should contact the Office of Student Services regarding their fee obligations.

Withdrawals from non-credit courses will be assessed on a per course basis depending on the nature and duration of the course.

Any inquiries regarding the calculation/proration of tuition fees on academic withdrawal should be directed to the Office of Student Services.

### 4.5.2 Academic Withdrawals (Correspondence Courses, Spring Session)

Refunds are calculated from the date that written, faxed or e-mailed notification of withdrawal is received by the Office of Student Services.

Full time students who wish to withdraw from a correspondence course that is part of their full time course load and for which they have not paid an additional fee over full time tuition, will only be eligible for a refund if their status changes to part time. These students should contact the Office of Student Services regarding their eligibility for a credit.

All refunds are calculated from the date that students register for a correspondence course and the date that the written request for withdrawal is received by the Office of Student Services. Fee credits will be calculated as the tuition fee paid for the course minus 15% times the number of weeks including the week of withdrawal, since the student registered for the course. A two week grace period is given to distance education students to take into account the fact that materials often need to be sent to them before they can be expected to begin a course. There is no credit (refund) given 8 weeks after the student has registered in a correspondence course. (8 weeks includes two weeks grace period).

Refunds will not be given to students who do not adhere to these deadlines.

### 4.5.3 Residence and Meal Plan Withdrawals

Students wishing to withdraw from residence and/or the meal plan must begin the process with the Dean of Students located in the Student Life Office, University Centre. Withdrawal is not effective until the Dean of Students has approved the withdrawal request. The date of withdrawal for the purpose of fee administration will be the date this approval is given, or the date students have checked out of residence and meal cards and keys have been returned, whichever is later.

The student's account will be adjusted to reflect residence and/or meal plan charges as follows:

Month of withdrawal:

September	40% of the full year cost
October	50% of the full year cost
November	60% of the full year cost
December	70% of the full year cost
January	80% of the full year cost
February	90% of the full year cost
March	97% of the full year cost
April	100% of the full year cost

Students entering residence and/or meal plan for one semester will have their accounts adjusted to reflect residence and/or meal plan charges as follows:

Month of withdrawal, as determined above:

September or January	50% of semester cost
October or February	75% of semester cost
November or March	95% of semester cost
December or April	100% of semester cost

Students who decide during the Christmas break not to return to the University in January must so advise the University by December 31 to be treated for fee purposes as a December withdrawal. This may be done even if University offices are closed by e-mail to <sas@mta.ca>, or by faxing the Office of Student Services; fax (506) 364-2272, or leaving a voice mail message with the Dean of Students; phone (506) 364-2255. Any student who wishes counselling before making this decision should so inform the Dean of Students by December 31, by voice mail if University offices are closed.

Students entering residence and purchasing meal plans in the middle of a semester who subsequently withdraw should contact the Office of Student Services regarding their charges for the semester. Any inquiries should be directed to the Office of Student Services.

#### **4.5.4 Payments to Students from their Accounts**

Payments will only be made to students from their accounts with the University if, and to the extent that, their accounts have a credit balance. Students may forfeit a scholarship or bursary from Mount Allison if they do not complete the academic year and this may affect whether there is a refund on withdrawal and the amount of any such refund. Furthermore, if any portion of a student's fees was paid by Canada Student Loan Programme, the University is obliged to remit any refund upon withdrawal to the Canada Student Loan Programme, or student's bank, for credit towards their government student loan.

#### **4.5.5 Required to Withdraw**

Students required to leave the University or its residences for failing to meet the required payment schedule, or for academic or disciplinary reasons, will be required to complete the withdrawal process and will be responsible for the charges detailed in sections 4.5.1, 4.5.2, and 4.5.3.



# 5 FINANCIAL ASSISTANCE

## 5.1 SCHOLARSHIPS

Mount Allison is well known for its scholarship programme, resulting primarily from the generosity of numerous benefactors.

### 5.1.1 Eligibility

The University awards scholarships to entering students for academic achievement. Students need not apply for these scholarships, as consideration for scholarship eligibility is automatic and part of the Admissions process. All students who have financial need are urged to apply for the Sharp and Goodridge scholarships which are based on academic achievement and financial need by completing Section C of the application form. The deadline for application for the September 2004 session is March 15.

### 5.1.2 Entrance Scholarships

Scholarships awarded to entering students are tenable as long as the student is carrying a full course load, and all other conditions of the award are fulfilled. Some scholarships are renewable if stated in the scholarship offer.

### 5.1.3 The Bell Scholarship

The Bell Scholarship is an entrance scholarship that was established in 2002 as the premier entrance scholarship at Mount Allison. It was established to perpetuate the memory of the Bell Family and their significant contributions to Mount Allison. The scholarship celebrates students who have demonstrated strong academic ability, leadership potential, volunteer work, extracurricular activities, work experience and good citizenship. Students interested in this scholarship must submit their completed application form by March 15th, following the criteria outlined on the Mount Allison application for admission form.

### 5.1.4 Scholarships for Returning Students

All students who attend Mount Allison will be considered for scholarships after their first year of study. These scholarships will be awarded annually to the very best students enrolled in a full course load in each faculty.

## 5.2 BURSARIES

The Mount Allison bursary programme provides assistance to full-time and part-time students who demonstrate financial need and who have exhausted all other avenues of support. Prior to applying for a Mount Allison bursary, applicants should apply to their Province or Country of residence for financial aid. Bursaries are awarded on the basis of financial need to students who have made satisfactory academic

## 5.5 THE DONALD A. CAMERON STUDENT LOAN FUND

Donald A. Cameron served this University as Registrar from 1959 to 1986, following a term as Assistant Professor of Education. He obtained a B.Sc. in 1950 from Mount Allison University. In 1952-53, he held a Lord Beaverbrook Overseas Scholarship and received a Diploma in English Educational Thought and Practice from the University of London in 1953. Upon his retirement as Registrar in 1986, and in recognition of his long and distinguished service, the University established the Donald A. Cameron Student Loan Fund from which students with financial need and good academic standing might be able to obtain assistance. Interested students may apply at the Office of Student Services.

# 6 ACADEMIC REGULATIONS

The following regulations apply to students in all undergraduate degree or certificate programmes. Students are responsible for knowing and adhering to these regulations as well as to the regulations pertaining to their particular programmes.

## 6.1 REGISTRATION PROCEDURES

### 6.1.1 Registration Deadline

All full and part-time students must register each year, according to procedures and time frames supplied by the Office of Student Services. Failure to do so results in a financial penalty and possible denial of registration in certain courses. In September and in January no students may register after the first two weeks of classes following registration, unless allowed on presentation of a medical certificate or on compassionate grounds approved by an Academic Dean.

### 6.1.2 Pre-Registration

Some academic departments require pre-registration of returning students for courses in their departments. For further information, please consult Department Heads.

### 6.1.3 Graduating Under One Calendar

Students with continuous enrollment at the University may elect to graduate under any one calendar in force during their registration subject to the availability of courses. However, students returning after an interval of a year or more during which time there has been a change in the curriculum, will be governed by the calendar in force when they return. Where necessary, an Academic Dean will interpret the student's past record in terms of the new curriculum.

### 6.1.4 Determining Year Level

Students must have earned 24 credits to register in second year, 54 to register in third year, and 84 to register in fourth year.

### 6.1.5 Normal Course Loads and Over Loads

Full-time students are expected to register for the equivalent of 30 credits in the September through April academic year, normally 15 credits per term.

- a) Students in first year will not normally be permitted to register for more than 15 credits per term.
- b) Students in years 2 and 3 may register for up to 18 credits per term, provided they have attained a GPA of at least 3.0 in the previous term. Students who do not meet this requirement must have permission from the appropriate Academic Dean in order to register for overload credits.
- c) Students with fourth-year standing who are in Good Standing, may register for up to 3 credits overload per term. Students who do not meet this requirement must have permission from the appropriate Academic Dean in order to register for overload credits. The permission of the appropriate Academic Dean is required for registration above a 3 credits overload per term.

Students in any programme may add ensemble credits in Music to a normal course load.

- d) For overloads in excess of 6 credits (3 credits per semester) for the September through April academic year, additional fees will be charged.(see Fees section)

### 6.1.6 Introductory Courses

First-year students may select any courses introductory to a discipline for which they have the prerequisites. These will normally be numbered at the 1000 or 2000 level.

### 6.1.7 Repeating Courses

No student may take the same course more than three times or be examined in it more than four times.

### 6.1.8 Auditing Courses

Students admitted to the university who wish to audit a course must obtain written permission of the instructor before formally registering for the course. The instructor may deny permission to audit the course. The nature and degree of class participation must be clarified in advance and is at the discretion of the course instructor. Students auditing a course will not write final examinations or receive a grade for the course. The notation of 'AU' will be indicated on the transcript upon verification by the instructor that the student has completed the specified nature and degree of class participation. A course may not be changed from credit to audit or from audit to credit status after the last day of the change in registration period. Registration and withdrawal deadlines apply to audited courses. Fees are payable as indicated in the Financial Information section of the calendar.

## 6.2 CHANGES IN REGISTRATION/PROGRAMMES

### 6.2.1 Deadline for Registration Changes

Registration changes are allowed for 3 credit courses during the first week of classes of either term or for 6 credit courses during the first two weeks of first term. Application must be made to the Office of Student Services.

### 6.2.2 Withdrawal Without Penalty

All students registered during the regular academic session may withdraw without academic penalty from a three credit course before the end of the eighth week of classes and from a 6 credit course before the end of the second week of classes in the second term. The withdrawal deadline for a full year 3 credit course is the same as for a 6 credit course. To withdraw from a course a student must submit written notification to the Office of Student Services. 'W' will be recorded on the transcript. In all courses, work worth at least 20% of the final grade will normally be evaluated and returned to students before the withdrawal date for the course. Exemptions from the policy must be authorized by the appropriate Academic Dean.

### 6.2.3 Withdrawal After the Deadline

A student who wishes to withdraw after the deadline because of illness or other sufficient reason may apply to the appropriate Academic Dean for a 'W' designation.

Any student who does not withdraw from a course in accordance with these regulations must remain registered in the course for the remainder of the term and will receive a grade.

### 6.2.4 Changing Programmes

A student wishing to transfer from one programme to another must apply to the Office of Student Services for a transfer, not later than APRIL 15. For students applying for transfer to Commerce, the deadline is APRIL 15 of their second year of study. For students applying for transfer to Music, the deadline is MARCH 1. For a student applying for transfer to Fine Arts, the deadline is APRIL 1. Request for Change of Degree Programme forms are available on the web at <http://www.mta.ca/administration/sas/forms.html>.

## 6.3 CONTINUOUS LEARNING

See section 8 for information about regulations for courses taken through the department of Continuous Learning.

## 6.4 ADVANCED PLACEMENT

Students who have received credit in a subject and who propose to register for a further course in that subject must at registration determine placement in consultation with the department concerned. Placement may be granted without credit. In cases of doubt applicants may be required to write one or more examinations upon entering the University.

## 6.5 TRANSFER CREDITS

### 6.5.1 Students Transferring from another Institution

Students transferring from recognized institutions may be considered for admission with advanced standing. Such students may receive credits for courses previously completed as determined by the Registrar in consultation with the appropriate Academic Department or Academic Dean. Credit will only be granted if the course(s) count on a programme at the original institution AND can be applied to programmes offered by Mount Allison. Transfer credit will normally be granted for courses with passing grades for which credit has been earned. However, students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained. Transfer credits are recorded on the transcript with credit value only, no grade is recorded and they are excluded from the Grade Point Average. A maximum of 60 transfer credits may be credited toward a degree from Mount Allison. (See also Regulation 6.6.2 regarding transfer credit limitations). Students transferring credits from another institution must provide the following:

- an official transcript pertaining to the credits, submitted directly to the Office of Student Services by the institution concerned.
- detailed course descriptions from the transferring institution's calendar. (Notarized English translations should be included if applicable)

### 6.5.2 Taking Courses at another Institution

Students planning to take courses at another university for Mount Allison credit must first obtain the Registrar's approval, by completing an application for a Letter of Permission, available on the web at

<http://www.mta.ca/administration/sas/forms.html>. If approval is granted, a Letter of Permission will be issued on payment of the requisite fee. A passing grade may be accepted for transfer credit, however students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## 6.6 DEGREE REQUIREMENTS

### 6.6.1 Credits Required for a Degree

All undergraduate degrees require completion of 120 credits.

### 6.6.2 Additional Requirements

Students must complete at Mount Allison at least half the credits required for a degree. Third and fourth year courses will normally be completed at Mount Allison.

## 6.7 DEGREE WITH DISTINCTION REQUIREMENTS

The degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, Bachelor of Fine Arts and Bachelor of Music will be awarded with Distinction at the discretion of the Senate. To be considered for Distinction, a student should have maintained a Cumulative Grade Point Average (CGPA) of approximately 3.7 in all work undertaken at the University.

## 6.8 HONOURS DEGREE REQUIREMENTS

### 6.8.1 Total Credits

All degrees with Honours consist of at least 120 credits completed beyond the secondary school level. All candidates for these degrees must meet the average requirements outlined below.

### 6.8.2 Honours GPA and Overall GPA Requirements

A degree with First Class Honours requires attainment of a 3.7 Cumulative Grade Point Average in the prescribed Honours work; a degree with Honours requires attainment of a 3.0 Cumulative Grade Point Average in the prescribed Honours work. Unless a specific statement indicating otherwise appears after the Honours programme description, all courses specified in the programme are included in the calculation of the Honours average. When a thesis is part of the programme, a minimum grade of B is required in all cases. In addition, a cumulative Grade Point Average of approximately 3.0 must be earned by all Honours candidates on all work undertaken beyond the first year at Mount Allison. For those in full-time attendance at Mount Allison for three years or fewer, this average will be calculated on all Mount Allison courses taken.

### 6.8.3 Submitting a Thesis

Bound copies of an Honours student's thesis must be submitted to the supervisor no later than the first day of the final examination period.



## 6.8.4 Falling Short of the Honours Requirements

Students failing to achieve the minimum standard for Honours as defined in 6.8.2, but who otherwise have satisfactorily completed all of the courses in the prescribed curriculum, will be awarded a degree in the Major area of study.

## 6.9 SECOND UNDERGRADUATE DEGREE REQUIREMENTS

Students who hold one undergraduate degree from Mount Allison may apply for re-admission to be a candidate for a second different undergraduate degree under the following regulations:

- a) the student should have demonstrated strong academic ability and must be approved by an Academic Dean.
- b) the student must fulfill all the requirements for the second degree
- c) the student must complete at least 36 additional credits, beyond those required for the first degree. Students who wish to complete the requirements for two different Bachelor's degrees at the same time must apply to the appropriate Academic Dean for approval.

## 6.10 HONOURS CERTIFICATE

Recipients of a first degree from Mount Allison earned with a Cumulative Grade Point Average of approximately 3.0 in both the last three years of the degree programme and in the intended Honours discipline may apply to an Academic Dean to return as a candidate for an Honours Certificate. Application forms are available on the web at: <http://www.mta.ca/administration/sas/forms.html>

## 6.11 GRADING SYSTEM

### 6.11.1 Grading Policies for Courses

In the first week of classes at the beginning of each academic term instructors shall provide each student in their courses with written information indicating the policy concerning assignments, tests, final examination, practical and laboratory work, class participation, attendance and supplemental examinations. The same information shall also be provided to the Department Head and the appropriate academic Dean.

### 6.11.2 Deadline for Course Work

Course work must be completed prior to the deadline for submission of the final grades.

### 6.11.3 Letter Grades and their Meanings

Letter grades are assigned. These grades, with descriptors and Grade

### 6.11.6 Repeated Courses and CGPA

In the event that a course is repeated, only the higher grade will be used in the Cumulative Grade Point Average calculation and in calculating the total number of credit hours used for the Cumulative Grade Point Average calculation. In the event that a course is repeated by transfer credit, the transfer credit is excluded from Cumulative Grade Point Average calculations, but the failed attempt(s) that the transfer credit replaces will also be excluded from the Cumulative Grade Point Average calculations. All results from attempts at a course will remain on the transcript.

### 6.11.7 Reporting of Grades

Results are reported to students following each examination period, but grades are not released until all accounts with the University have been paid. "Posting" of student grades is prohibited.

### 6.11.8 Re-evaluation of a Grade

After final grades are released by the Office of Student Services, a student may apply in writing to that office for re-evaluation of a grade. The student may ask for a re-read of the final examination and/or any written material not returned to the class before the last day of the final examination period of the term in which the course is concluded. This request must specifically state what material is to be re-evaluated. The calculation of the final grade will be reviewed and the material in question will be re-read by the faculty member concerned as well as by another faculty member designated by the Department Head. If there is serious disagreement between the two readers, the Department Head, or Academic Dean where appropriate, will then review the material under re-evaluation. If the final mark is based on performance not evaluated by written material, the re-read by both participants will be confined to a review of the mark sheets compiled by the original instructor. Students should remind themselves of the value of these items in relation to the overall course mark before determining whether it is worthwhile to apply for a re-read.

### 6.11.9 Application for Re-Read

A student may request a re-read within 40 days of the release of final grades by the Office of Student Services. The results of the re-read will normally be conveyed to the student within 30 days of receipt of the application. Students should remember that a grade can be revised upwards or downwards. A fee must be submitted with the application (see the Financial Information section near the front of the calendar). If the grade is revised upwards, the fee will be refunded. Application forms are available on the web at: <http://www.mta.ca/administration/sas/forms.html>.

### 6.11.10 Evaluating Written Work

Evaluation of students' written work includes evaluation of the quality of the written English as well as of the subject material.

### 6.11.11 Aegrotat Standing

Aegrotat Standing (pass standing granted for medical reasons, although all course requirements have not been completed) may be granted in certain exceptional cases by Senate.

## 6.12 STANDARDS OF PERFORMANCE

### 6.12.1 Assessment of Academic Standing

All references regarding standards of performance requirements are related to work attempted during the September through April academic year. When students have attempted at least 18 credits, they will be assessed at the end of that academic year.

### 6.12.2 Good Standing

Students remain in Good Standing if they pass 18 credits and attain a minimum grade point average (GPA) of 1.5. Note: Students must be in Good Standing and have permission of the university for study abroad programmes in which the University participates. Note: Students must be in Good Standing if they wish to apply for a Letter of Permission to take courses at another institution or to register for courses offered by Mount Allison in the Spring and Summer Sessions through Continuous Learning. Exceptions must be approved by the Academic Dean.

### 6.12.3 Unsatisfactory Standing

Students whose academic performance is such that they fail to achieve Good Standing will be placed on Academic Probation, Academic Suspension or Academic Dismissal. Students in these categories are in Unsatisfactory Academic Standing and the designated category will be recorded on their transcripts. Students on Academic Suspension or Academic Dismissal will be notified in a letter from the Chair of the Admissions and Re-admissions Committee of their academic standing and the procedures and deadlines for appeal. Those students seeking re-admission to the University must apply in a letter addressed to the Chair of the Admissions and Re-admissions Committee to be received by the Office of Student Services by the deadline specified (see 6.12.7 Procedures for Appeals and Re-Admissions). Letters of appeal for re-admission received after the deadline will not be considered by the Admissions and Re-admissions Committee. Note: A Letter of appeal will only be forwarded to the Admissions and Re-admissions Committee for consideration if there are no outstanding fees payable on the student's account (see 4.4.5 in the Fees section).

### 6.12.4 Academic Probation

Students who have been in Good Standing will be placed on Academic Probation if they:

- pass fewer than 18 credits but obtain a grade point average (GPA) of at least 1.0, or
- pass 18 or more credits but with a grade point average (GPA) of less than 1.5.

Students who are on Academic Probation are not permitted to register for more than the normal course load. To return to Good Standing, students on Academic Probation must pass 18 credits in their probationary period, and attain a minimum grade point average (GPA) of 1.5. Students on Academic Probation must obtain written permission from the Academic Dean to be eligible to apply to take courses on Letter of Permission during the probationary period or to register for courses offered by Mount Allison through Continuous Learning, including those offered during the Spring and Summer Sessions.

### 6.12.5 Academic Suspension

Students will be placed on Academic Suspension if in any academic year they pass fewer than 18 credits and obtain a grade point average

(GPA) of less than 1.0. Students who are on Academic Probation will be placed on Academic Suspension if they obtain a grade point average (GPA) of less than 1.5 or pass fewer than 18 credits. Students on Academic Suspension may not register for any Mount Allison courses nor receive credit at Mount Allison for courses taken elsewhere during the suspension period. Students may apply for readmission at the end of the period of Academic Suspension. If accepted, students will re-enter on Academic Probation. The period of Academic Suspension is one full year; however, the terms of Academic Suspension are effective until such time as the student applies for and is granted re-admission to the university. To seek re-admission for the study session commencing in September, students must complete a Former Student Application form and the Supplementary Questionnaire. These must be received by the Office of Student Services no later than June 15 of that year. Application forms are available on the web at:

charge and the sanction(s). If the student disputes the allegation, s/he OR the instructor may request that the Academic Judicial Committee hear the case. If the student admits the charge, but disputes the severity of the academic penalty, s/he may appeal to the Department Head and /or Academic Dean.

- c) Academic dishonesty may be alleged by a member (or members) of the university community other than a course instructor (e.g. invigilator(s) in examinations, other students, Computing Services staff, etc.). If the allegation involves a course, it will be referred to the course instructor, who will follow procedures as in 6.13.2 (a) and (b). If the allegation does not involve a specific course or courses, it will be referred to the appropriate Academic Dean(s), who will report it to the Chair of the Academic Judicial Committee

A fee is charged for each special examination. The fee will be refunded if the application is not approved. Special examinations can be written at any time by agreement of the student, the instructor, and the Registrar. Normally special examinations are only permitted in the last year of the student's programme. Special examinations will receive a grade of 'Pass' or 'Fail' unless the Registrar, in consultation with the instructor, determines that a letter grade would be more appropriate.

## **6.15 WITHDRAWAL FROM UNIVERSITY**

A student may withdraw from the University without academic penalty

- h) Bachelor of Music Education: a hood of black stuff edged on the inside with turquoise silk.
- i) Master of Arts: a hood of black silk or stuff with a full lining of garnet silk
- j) Master of Science: a hood of black silk or stuff with a full lining of old gold silk.
- k) Master of Social Work: a hood of black silk or stuff with a full lining of fuchsia silk.
- l) Master of Education: a hood of black silk or stuff with a full lining of light blue silk.
- m) Doctor of Divinity, a hood of scarlet cloth lined with purple silk.
- n) Doctor of Laws, a hood of scarlet cloth lined with blue silk.
- o) Doctor of Civil Law, a hood of scarlet cloth lined with old gold silk.
- p) Doctor of Literature, a hood of scarlet cloth lined with white silk.
- q) Doctor of Music, a hood of scarlet cloth lined with blue silk lining and half-inch facings.
- r) Doctor of Science, a hood of scarlet cloth lined with primrose yellow silk.
- s) Doctor of Fine Arts, a hood of scarlet cloth lined with green silk.

Students who do not wish to have their information used can ask Statistics Canada to remove their identifying information from the national database. To make such a request or for further information please contact Statistics Canada at:

<ESIS-SIAE\_contact@statcan.ca> or by mail: Postsecondary Education and Adult Learning Section, Centre for Education Statistics, Statistics Canada, Jean Talon Building, 1-B-21 Tunney's Pasture, Ottawa, Ontario, K1A 0T6

Further details on the use of this information can be obtained from the Statistics Canada Web site

<<http://www.statcan.ca/english/concepts/ESIS/index.htm>>.

### 6.18.6 Honorary Degrees

The Senate of the University has authorized the awarding of the following degrees Honoris Causa:

- a) Doctor of Divinity (D.D.)
- b) Doctor of Laws (LL.D.)
- c) Doctor of Civil Law (D.C.L.)
- d) Doctor of Literature (D.Litt.)
- e) Doctor of Music (D.Mus.)
- f) Doctor of Science (D.Sc.)
- g) Doctor of Fine Arts (D.F.A.)

## 6.19 NOTIFICATION OF DISCLOSURE OF PERSONAL INFORMATION TO STATISTICS CANADA

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

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

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

# 7 ACADEMIC PROGRAMMES

This section provides complete outlines of the specific requirements for all degrees and/or certificates, as well as information regarding





coherence from a theme, or approach held in common by its component courses. Such programmes are authorized in advance by Senate.

### 7.2.12 Specially Approved Major Area of Study

A Specially Approved Major Area of Study consists of a selection of courses worth 60 credits. This type of Major gains its coherence from a carefully thought-out combination of available courses which has not received prior authorization from Senate. Approval for this type of Major must be obtained from the appropriate Dean, in consultation with the Registrar, by the end of the third year.

### 7.2.13 Major Areas of Study Available for the B.A.

For the B.A., the following Major Areas of Study are available. For a complete list of courses required for each Major, see the appropriate heading under Programmes and Courses of Instruction.

#### Disciplinary

- Anthropology
- Art History
- Classical Studies
- Commerce
- Computer Science
- Economics
- English
- Fine Arts
- French Studies
- Geography
- German Studies
- Hispanic Studies
- History
- Mathematics
- Music
- Philosophy
- Political Science
- Psychology
- Religious Studies
- Sociology

#### Interdisciplinary

- American Studies
- Canadian Public Policy
- Canadian Studies
- Drama
- Environmental Studies
- International Relations
- Modern Languages
- Sociology/Anthropology

### 7.2.14 The Minor as Required for the B.A.

The Minor is designed to be a minimum number of courses by which a student can achieve a modest sense of coherence in another field of study. As called for in 7.2.4, this requirement can be satisfied by completing the courses specified in any one of the named Minors listed in 7.2.18, (or under 7.3.21) according to one of the options outlined in 7.2.15 through 7.2.17.

### 7.2.15 Disciplinary Minor in Arts

A Disciplinary Minor consists of a selection of courses worth 24 credits, at least 6 of which must be completed at the 3000 and/or 4000 level. This type of Minor gains its minimum of coherence from the traditional discipline from which it is drawn.

### 7.2.16 Interdisciplinary Minor

An Interdisciplinary Minor consists of a selection of courses worth 24 credits, at least 6 of which must be completed at the 3000 and/or 4000 level. This type of Minor gains its coherence from a theme, or approach held in common by its component courses. Such programmes are authorized in advance by Senate.

### 7.2.17 Specially Approved Minor

A Specially Approved Minor consists of a selection of courses worth 24 credits, at least 6 of which must be completed at the 3000 and/or 4000 level. This type of Minor gains its coherence from a carefully thought-out combination of available courses which has not received prior authorization from Senate. Approval for this type of Minor must be obtained from the appropriate Academic Dean, in consultation with the Registrar, by the end of the third year.

### 7.2.18 Minors Available for the B.A.

For the B.A., the following Minors are available along with those listed under section 7.3.21. For a complete listing of courses required for each Minor, see the appropriate heading under Programmes and Courses of Instruction.

#### Disciplinary

- Anthropology
- Art History
- Classical Studies
- Commerce
- Computer Science
- Economics
- English
- Fine Arts
- French Studies
- Geography
- German Studies
- Greek
- Hispanic Studies
- History
- Latin
- Mathematics
- Music
- Philosophy
- Political Science
- Psychology
- Religious Studies
- Sociology
- Women's Studies

#### Interdisciplinary

- American Studies
- Canadian Studies
- Drama
- Environmental Studies
- International Economics and Business



### 7.3.3 Additional B.Sc. Requirements

Six credits must be earned in Chemistry, six credits in Mathematics or Computer Science, six credits in Physics as follows:

- a) Chemistry: 6 credits from Chemistry 1001,1021
- b) Math/Comp: 3 credits from Mathematics 1111 and 3 additional credits from Mathematics 1121, 1131, 2211, 2221, 2311, Computer Science 1711

Note: Mathematics 2311 is not available for Psychology students.

- c) Physics: 3 credits from Physics 1051, and 3 additional credits from Physics 1551, 3511, 3521

Students' choices should be made according to their Major or Honours requirements. Students having advanced placement should consult with the appropriate department regarding substitution for any of the courses listed above.

### 7.3.4 Minimum Number of Science Credits

A minimum of 72 credits in Science must be earned from the Science disciplines.

### 7.3.5 3/4000 Level Science Courses

A minimum of 30 credits in Science must be earned from the 3000 and/or 4000 level.

### 7.3.6 Credits Required for a Major and Minor

The credits required for a B.Sc. include those required for a Major Area of Study [see list under 7.3.16], plus the credits required for a Minor from any other programme [see lists under 7.3.21 and 7.2.18]. No more than 9 credits can be counted in common between the Major and Minor. Where there are more than 9 credits of requirements in common, the credit value of the combined programme will still be at least 15 credits greater than the total for the Major. The Major Area of Study and Minor are recorded on the student's transcript. Although the combination of a Major and a Minor as called for in 7.3.6 is the usual means of achieving a B.Sc., other combinations are possible, as outlined in 7.3.7 through 7.3.10..

### 7.3.7 Additional Minor

Students who satisfy the requirements for more than one Minor will have the additional Minor(s) recorded on their transcript.

### 7.3.16 Major Areas of Study available for the B.Sc.

For the B.Sc., the following Major Areas of Study are available. For a complete listing of courses required for each Major, see the appropriate heading under Programmes and Courses of Instruction.

Disciplinary

Biology

In situations where the candidate is close to fulfilling requirement (a), the Committee may admit the student to a qualifying year. In this case, the Department concerned will be asked by the Committee to suggest a course of study that will fulfill requirement (a) and that will build sufficient strength of background to carry on work at the graduate level. A passing grade must be obtained in each of these courses as well as a minimum overall Cumulative Grade Point Average of 3.0. Students completing qualifying courses will register as special students and are not graduate students while pursuing these studies. They will be admitted to graduate studies when the committee decides that the qualifying conditions have been fulfilled.

#### 7.4.3 Time Required

The minimum time required to complete graduate studies is one full year (two years is the normal situation). The programme of study must be completed within five years.

#### 7.4.4 Course and Thesis Requirements

All candidates must complete a minimum of two to a maximum of four 3 credit graduate courses as determined by the supervisory committee; a research programme and a thesis based on this research; and participate in the departmental seminar series as determined by the supervisor. The format of the written thesis will follow the rules for the Honours thesis. Copies of the thesis must be made available to the members of the candidate's Supervisory Committee three weeks prior to public presentation.

#### 7.4.5 Standards of Achievement

The candidate must achieve a grade of at least B- in each course required for the degree, and also must pass a public oral examination on the thesis and related material.

#### 7.4.6 Supervisory Committee

A committee of three will be appointed for each candidate by the Committee on Graduate Studies on the recommendation of the research supervisor who will be its chair, a teaching member of the department concerned, and a qualified person from outside that department. It will be the responsibility of this committee to review periodically the progress of the candidate, read the thesis and conduct the oral examination which will be presided over by the Chair of the Committee on Graduate Studies. A grade of 'Pass' or 'Fail' will be assessed for the thesis and its defence by the candidate's committee. (The Chair of the Committee on Graduate Studies has no vote in this decision). If a 'Fail' evaluation is rendered, the supervisory committee will decide if and what remedial measure must be undertaken to obtain a 'Pass' grade. The candidate will have one year to meet these conditions.

#### 7.4.7 Special Departmental Regulations

In addition to the above regulations, each department may have special requirements as to language, necessary qualifying or complementary courses, etc. Information about such matters may be obtained from the heads of departments or may appear elsewhere in the Calendar under the departmental list of courses.

#### 7.4.8 Application Procedure

Candidates should submit a curriculum vitae, a set of official transcripts, and arrange to have two letters of reference forwarded to the Chair of

the Committee on Graduate Studies. It is recommended that applicants also contact individual faculty members about the possibility of carrying on advanced study and research with them.

## 7.5 BACHELOR OF COMMERCE

### 7.5.1 Primary Objective

The primary objective of the Mount Allison University Commerce programme is to explore with students the nature of the business world, and thus help them acquire administrative knowledge and skills. The studies focus on the process of effective problem solving and decision making in the business environment through the development of management systems which combine quantitative analysis and human judgement.

### 7.5.2 Majors

The Commerce programme is designed to enable students to study in depth a subject area (such as Accounting, Finance, Marketing) and, through elective courses from other programmes, to pursue interests which might not be immediately applicable to the study of commerce. Students may elect to major in Economics, Computing Information Systems, or in other approved disciplines (i.e., French, History, Chemistry, Political Science, etc.). The latter option is unique to Mount Allison and students are urged to give it very serious consideration.

### 7.5.3 Honours Programme

Honours programmes for the Commerce degree are available with approval of the Commerce Department. Students interested in pursuing Honours must apply to the Commerce Department by March 31, of year three. Students interested in pursuing Honours in Economics should contact the Economics Department. See regulations 7.5.12 and 7.5.13

### 7.5.4 Transferring to Commerce

Students applying for transfer into the Bachelor of Commerce programme must do so by APRIL 15 of their second year of study. Exceptions must be approved by the Head of the Commerce Department. To be eligible to transfer to the Bachelor of Commerce, students must meet the following two criteria:

- a) The attainment of a CGPA of at least 2.0 by the end of their second year at the University
- b) Students must have successfully completed the following 27 credits:
  - 12 credits from Mathematics 1111, Economics 1000 (or 1001 and 1011), 3 credits in Computer Science
  - 15 credits from Commerce 2101, 2131, 2201, 2301, Mathematics 2311 (or Psychology 2001) and Mathematics 2321 (or Economics 2701 or Psychology 2011).

### 7.5.5 Commerce Degree Programme

In order to qualify for a B.Comm. degree, a student must complete:

- a) 120 credits including
- b) A minimum of 42 credits from the 3/4000 level
- c) the Commerce Degree Core Programme requirements, and
- d) courses which satisfy the requirements for one of the following:
  - i) one of the Major Areas of Study described below, or

- ii) a Specially Approved non-Commerce Major Area of Study,  
or
- iii) a general B.Comm. with no Major Area of Study

### 7.5.6 Electives on Bachelor of Commerce Degree

in Music) is designed for the student with a more general interest in music. A Minor in Music is available to students in any programme. The Bachelor of Music degree is offered without designated majors, and allows the student considerable latitude to put emphasis on any of the subject areas: Music Theory and Composition; Music History and Literature; Music Education and Performance. The programme requires

## 7.6.5 Group B. Music Electives

30 - 33 credits - all Music

The student may elect any combination from the following courses provided prerequisites are met.

### a) Theory and Composition

- 2141-2151 Elementary Composition I-II
- 3121-3131 Orchestration I-II
- 3141-3151 Intermediate Composition III-IV
- 3161-3171 Arranging I-II
- 4141-4151 Advanced Composition V-VI
- 4181-4191 Analytical Techniques I-II

### b) Music History and Literature

- 3001 Introduction to Music in Canada
- 3211 Selected Topics in Music History and Literature\*
- 4221 Seminar in Music History I-II\*

\* These courses may be repeated if topic differs

### c) Music Education

The following three-credit electives may be offered in one term only or over two terms. Please consult the timetable for specific information.

- 3303 Vocal Methods
- 3311 Elementary Methods
- 3321 Brass Methods
- 3333 Woodwind Methods
- 3343 String Methods
- 4311 Secondary Methods
- 4353 Percussion Methods
- 4363 Keyboard Methods

### d) Performance Electives

The following electives may be offered in one term only or over two terms. Please consult the timetable for specific information.

- 2603 Accompaniment I
- 3603 Accompaniment II
- 4603 Accompaniment III
- 2613 Chamber Music I
- 3613 Chamber Music II
- 4613 Chamber Music III
- 2521 Diction for Singers
- 3413 Choral Conducting
- 3423 Instrumental Conducting
- 1629-4629 Chamber Orchestra
- 1639-4639 Symphonic Band
- 1649-4649 Instrumental Jazz Ensemble
- 1659-4659 Elliott Chorale
- 1669-4669 Choral Society
- 1689-4689 Large Ensemble of Like Instruments
- 1699-4699 Vocal Jazz Ensemble
- 2679-4679 Opera Workshop

### e) General Elective

- 4951 Special Topics in Music\*

\* This course may be repeated if topic differs

## 7.6.6 Group C. Non-music Electives

(30-33 credits) The non-Music courses in a programme leading to a Bachelor of Music have a twofold objective:

- a) to broaden the student's general knowledge; and
- b) to allow students to develop a Minor area of study

Note: The Bachelor of Music may be awarded with Distinction. See Regulation 6.7

## 7.6.7 Bachelor of Arts with Major in Music

This programme emphasizes the historical and theoretical aspects of the art of music. It is designed for the student who wishes a Major in Music along with more Arts and Science courses than the Bachelor of Music programme allows. Although no practical courses in Music are essential in this programme, it is highly desirable that the student have acquired some proficiency on an instrument or in voice prior to enrolling. Although this programme is not designed with a particular professional goal, it may lead to a career in music librarianship, music journalism, music therapy, music production in television and radio, music publishing, instrument manufacturing, or graduate work in musicology. For a complete listing of courses required for the B.A. Major in Music Programme see the appropriate heading under Programmes and Courses of Instruction.

## 7.6.8 Minor in Music

A Minor in Music is available to students in any programme. For a complete listing of courses required for the Minor in Music see the appropriate heading under Programmes and Courses of Instruction.

## 7.6.9 Bachelor of Arts with Honours in Music

Students considering an Honours Programme should consult as early as possible with the Head of the Department regarding the application process and admission criteria. See section 7.1.2 regarding declaration of intention to pursue Honours. For a complete listing of courses required for the B.A. Honours in Music Programme see the appropriate heading under Programmes and Courses of Instruction.

## 7.6.10 Recitals

In addition to performing on Collegium programmes, qualified students are given the opportunity of presenting full-length solo recitals, mini-recitals, participating in half-recitals, or performing in shared recitals. To be eligible to participate in a half-recital, a student must be recommended by his/her Applied Music teacher, must have achieved a grade point average of 3.7, or better, in Music 2500 (Chief Practical II), or 3500 (Chief Practical III) and must have participated in two Collegia or the equivalent, since enrolling in the Bachelor of Music programme. Students enrolling in 4590 must attain at least A- in Music 3500, and must have participated in at least one half-recital. Students enrolling in 4593 must attain at least A- in Music 3500, and must have participated in at least two collegia concerts (or the equivalent) since enrolling in the Bachelor of Music programme. Full-length recitals are usually presented in fulfillment of Music 4590 (Recital).

## 7.6.11 87ourses



Qualified students in any degree programme may also enroll in

term of their final year. Candidates will be examined in both French and English in the areas of listening, speaking, reading and writing. The examinations are comprehensive, and may include writing letters and essays or translations; reading literary or other complex texts; and conversation or oral discussion. There is no prescribed sequence of courses in either language leading to the examination for the Certificate. Candidates are invited to profit from the many possibilities offered by the University to improve their language skills.

### 7.8.2 Standards

# 8 CONTINUOUS LEARNING

The Department of Continuous Learning provides educational opportunities for part-time, mature and evening students. It also provides the opportunity for full-time students to take additional courses. It helps mature part-time day students through the admissions and registration process and aids them in obtaining needed advice and counselling. The department also assists Student Life with orientation activities for these students.

## 8.1 EVENING CREDIT PROGRAMME

An evening credit programme is offered during the September through April academic year. It is possible for students to earn many of the 120 credits necessary for a degree through this programme. Evening courses are offered each year in Amherst, Moncton, and Sackville. Courses may also be arranged in other communities upon request. The Department attempts to introduce new courses into this programme to meet changing demands of adult learners.

## 8.2 MIRAMICHI FIRST YEAR AT HOME PROGRAMME

The Department coordinates Mount Allison's contribution to the Cooperative University Programme on the Miramichi. This programme, offered in partnership with St. Thomas University and the University of New Brunswick, provides a first year university programme in Arts, Sciences, Social Sciences, and Commerce to students on the Miramichi. This enables Miramichi students to complete their first year of university studies at home. A very limited number of second and third year courses is also offered in this programme.

## 8.3 MONCTON FIRST YEAR AT HOME PROGRAMME

A First Year at Home Programme is also offered in Moncton, New Brunswick. As in the Miramichi, the intention of the programme is to allow students to take all of their first year courses while staying in Moncton. All courses in this programme are Mount Allison courses. The programme includes required first year courses in Arts, Sciences, and Social Sciences, plus several elective courses.

## 8.4 THE CORRESPONDENCE PROGRAMME

The Correspondence programme is offered during both the academic year and the summer. It allows students to acquire credits



# 9 PROGRAMMES AND COURSES OF INSTRUCTION

This section provides alphabetically ordered descriptions of all Minor, Major and Honours programmes, including those that are interdisciplinary and those that centre on one discipline, as well as course descriptions for all disciplines. The course listings by disciplines are not an indication in all instances that a separate department exists for that discipline or that all courses are offered each year.

## AMERICAN STUDIES

### Interdisciplinary B.A. Programmes

MINOR in American Studies is 24 credits earned as follows:

- 9 from English 2701, 3711, 3721
- 9 from History 1601, 1651, 2510
- 6 from Art History 3061, 3071, English 3731, 4701, Geography 3301, History 3511, 3521, 3531, 3561, 4500, 4510, 4571, Philosophy 3421, 3451, Political Science 2201

MAJOR AREA OF STUDY in American Studies is 60 credits earned as follows:

- 9 from English 2701, 3711, 3721
- 6 from Geography 2311, 3301
- 9 from History 1601, 1651, 2510
- 3 from Philosophy 3421, 3451
- 3 from Political Science 2201
- 30 from English 3731, 3871, 3881, 3921, 3931, 4701, Fine Arts 3061, 3071, History 3511, 3521, 3531, 3561, 4500, 4510, 4571, Religious Studies 2031

HONOURS in American Studies is 78 credits earned as follows:

- 60 credits as in the Major, plus:
- 18 from History 4500, 4990, and 6 credits from Economics, English, Philosophy or Political Science chosen in consultation with the Programme Advisor

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## ANTHROPOLOGY

Anthropology is the study of humans across space and time. It is essentially cross cultural, and attempts to understand the way of life of other peoples across the world, how they have attempted to solve pan human problems, food, shelter, and repopulation; and what worlds of meaning and explanation they have created. It is a comparative discipline seeking similarities and differences between societies and environments. Its study leads to a heightened awareness of the importance of culture and a sensitivity to cultural differences.

### Disciplinary B.A. Programmes

MINOR in Anthropology is 24 credits earned as follows:

- 3 from Anthropology 1011
- 3 from Social Sciences at the 1/2000 level
- 6 from Anthropology at the 2000 level
- 6 from Anthropology 2801, 3021, 3031, 3311, 3821, 3831, 3841, 3851, 3861, 4021, 4311
- 6 from Anthropology at the 3/4000 level, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in Anthropology is 60 credits earned as follows:

- 3 from Anthropology 1011
- 3 from Social Sciences at the 1/2000 level
- 6 from Anthropology at the 2000 level
- 9 from Anthropology 3311, 3021, 3031
- 6 from Anthropology 3811, 3821, 3831, 3841, 3851, 3861
- 9 from Anthropology at the 3/4000 level
- 6 from Anthropology at the 4000 level
- 18 credits from complementary courses in Social Sciences, Humanities, Arts and Letters, and 2 chosen in consultation with the Programme Advisor

HONOURS in Anthropology (Thesis Option) is 66 credits earned as follows:

- 42 credits as in the first seven lines of the Major, plus:
- 3 additional credits from Anthropology 4021, 4311
- 15 from Anthropology at the 3/4000 level chosen in consultation with the Programme Advisor
- 6 from Anthropology 4990

HONOURS in Anthropology (Course Option) is 66 credits earned as follows:

- 42 credits as in the first seven lines of the Major, plus:
- 3 from Anthropology 4021, 4311
- 21 from Anthropology at the 3/4000 level chosen in consultation with the Programme Advisor

Note: The Honours Average will be calculated on all courses required for Honours that have been taken above the 1000 level.

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## ANTHROPOLOGY COURSES

### ANTH 1011 (3CR) INTRODUCTION TO ANTHROPOLOGY

Format: Lecture/Discussion 3 Hours

Exclusion: SOAN 1011

The course is designed to introduce students to the major fields of anthropology (physical, archaeological, linguistic and cultural) and to the major domains of cultural and social anthropology (types of society, social change, and political, economic, kinship and religious institutions).

### ANTH 2401 (3CR) ANTHROPOLOGY AND THE LIFE COURSE

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 3 credits in Social Sciences; or permission of the Department

Exclusion: SOAN 2401

This course examines the human life course in comparative perspective. It expands on many of the anthropological concepts introduced at the 1000 level, but centres on exploring the relationship between individuals and their ecological and sociocultural environments throughout the life cycle. It covers such topics as birth, infancy, childhood, adolescence, family relations, and work in different cultures.

### ANTH 2501 (3CR) ENVIRONMENT AND SOCIETY

Format: Lecture/Discussion 3 Hours

Prereq: Anthropology 1011 and 3 credits in Social Sciences; or permission of the Department

Exclusion: SOAN 2501

A study of the various types of society, both past and present, that have emerged or been transformed through their interaction with their environments. The course will explore features associated with the major forms of society from foraging, through horticultural and agrarian, to industrial and post-industrial societal types. It will explore such themes as demography, resource exploitation, ecological adaptation, energy access, and environmental impact, in the context of social organization and societal formation.

### ANTH 2521 (3CR) ANTHROPOLOGICAL PERSPECTIVES ON DEVELOPMENT

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 3 credits in Social Sciences; or permission of the Department

Exclusion: SOAN 2521

An examination of development issues at the global and local levels, with emphasis on gender and indigenous peoples. The focus will fall on such questions as "What is development?" and "Who benefits?" The course reviews the contribution of applied anthropology, participatory action research, and popular education to development models, theory, and praxis.

### ANTH 2801 (3CR) ABORIGINAL PEOPLES AND CULTURES OF CANADA

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 3 credits in Social Sciences; or permission of the Department

Exclusion: SOAN 2801

An introduction to traditional and contemporary aboriginal societies and cultures of Canada, with particular attention being paid to their major regional divisions and issues of modernization affecting each.

### ANTH 3021 (3CR) PERSPECTIVES IN ANTHROPOLOGY

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3021

A review of the historical emergence of and major approaches taken to cultural and social anthropology. It will introduce the students to the major components of evolutionism, neo-evolutionism, particularism, 3CRion

**ANTH 3311 (3CR)****ANTHROPOLOGICAL RESEARCH METHODS**

Format: Lecture/Discussion/Case Studies 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3311

This course introduces students to the central elements in anthropological field research methods, past and present. Topics covered include: research goals and project design; participant-observation and related techniques for acquiring original data; practical and ethical considerations regarding the field experience.

**ANTH 3321 (3CR)****FIELD COURSE IN ANTHROPOLOGY**

Format: Lecture/Discussion 3 Hours

Prereq: Permission of the Department

This course is designed to provide students with an intensive field experience, during which they pursue research on a topic to be chosen by the Instructor. As such, the course is not designed to be offered during normal semester time, but is available to students through Continuous Learning. Completion of ANTH 3311 (Anthropological Research Methods) is recommended before registering for this course.

**ANTH 3401 (3CR)****BELIEF SYSTEMS**

Format: Lecture/Discussion/Case Studies 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3401

This course explores the relationship between ideas, beliefs and social/cultural context. It covers a wide range of phenomena, among which are magic, witchcraft, shamanism, initiation and other types of rituals, and religious movements.

**ANTH 3421 (3CR)****FOLKLORE**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3421

A survey of the various types of folklore - tale, song, rhyme, riddle, proverb, belief, and custom with particular attention to their form and function in relation to their contextual setting. Collection and analysis of examples by students will be combined with the use of materials from the Mary Mellish Archibald Memorial collection in the Library.

**ANTH 3531 (3CR)****FAMILY AND KINSHIP**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3531

A study of a central principle of social organization and a major institution in society. The course will investigate the forms and functions of kinship and the role of and changes in the family in relation to pre-industrial, industrial and post-industrial societies.

**ANTH 3541 (3CR)****ETHNOBOTANY**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3541

Ethnobotany is the systematic study of how people of a particular region use and relate to plants. The scope of the course is global with special emphasis on the ecosystems of the Atlantic Region. Each year focuses on a different ecosystem. This is a field course, incorporating field trips and site visits as a class and for independent study, and providing basic skills for carrying out ethnobotanical fieldwork - plant identification and description, taxonomies, applications of specific plants for food, technology and medicine in different cultural traditions, ethnobotanical research methods and ethical issues.

**ANTH 3621 (3CR)****HEALTH AND CULTURE**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3621

A review of the relations between human health and culture, biology and environment, with reference to the social dimensions of health, sickness, disease, and treatment. Through cross cultural and historic comparisons, connections between mainstream and alternate medicine are explored, and the role of anthropology in clinical settings and international health is discussed.

**ANTH 3811 (3CR)****CARIBBEAN ETHNOGRAPHY**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3811

An introduction to the peoples and cultures of the Caribbean region through both a general review of the region and a detailed and critical analysis of specific ethnographies.

**ANTH 3821 (3CR)****MARITIME ABORIGINAL CULTURES IN ETHNOGRAPHIC PERSPECTIVE**

Format: Lecture/Discussion/Case Studies 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3821

This course focuses on the aboriginal cultures of Atlantic Canada, offering an overview of the region and critical appraisal of ethnographic materials relating to its various peoples. Topics covered include: oral tradition, language and identity, healing and traditional medicine, spirituality, relations with Euro-Canadians, political movements, and issues of resource management

**ANTH 3831 (3CR)**

**AREAL ETHNOGRAPHY**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3831

An ethnographic study of an area other than those covered in other 3800 courses.

**ANTH 3841 (3CR)**

**SOUTHEAST ASIAN ETHNOGRAPHY**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3841

A course addressing social, cultural, and political issues in Southeast Asia from historical and contemporary perspectives, and considering social change and culture persistence in the region and in particular countries. Current topics such as refugees, biodiversity, gender, trade and development, nationalism, the legitimization of power, and relations between ethnic minorities and the state will be examined.

**ANTH 3851 (3CR)**

**ARCTIC ETHNOGRAPHY**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

Exclusion: SOAN 3851

A survey course exploring the diversity of the circumpolar regions, Siberia, Alaska, Greenland, Scandinavia and the Canadian North. How indigenous cultures have flourished in the harshest environment on earth will be examined. In addition, current issues facing indigenous peoples today such as, land claims, self-government, intellectual property rights, and transnational linkages, will be discussed.

**ANTH 3861 (3CR)**

**AFRICAN ETHNOGRAPHY**

Format: Lecture/Discussion 3 Hours

Prereq: ANTH 1011 and 6 credits from 2000 level Anthropology courses; or permission of the Department

A course in which ethnographic studies of African peoples will be considered from a critical perspective. through course-readings and lectures and in extended class discussions covering a range of topics including art, ritual, gender, history, economy and world view. Students



ANTH 4901 (3CR)  
ISSUES IN ANTHROPOLOGY

Format: Seminar 3 Hours

Prereq: ANTH 3021 or 3031; three additional 3000 level credits in Anthropology; or permission of the Department

Exclusion:

## BIOCHEMISTRY

Biochemistry is the study of the chemicals and chemical processes associated with living organisms.

### Interdisciplinary B.Sc. Programmes

MAJOR AREA OF STUDY in Biochemistry is 72 credits earned as follows:

- 6 from Biology 1001, 1501
- 6 from Math 1111, 1121, 1131
- 6 from Physics 1051, 1551, 3521
- 6 from Chemistry 1001, 1021
- 6 from Chemistry 2111, 2121
- 3 from Biology 2601
- 6 from Biology 2101, 2301, 2401
- 3 from Chemistry 2211, 2311, 3411
- 3 from Biochemistry 2001
- 9 from Biochemistry 3501, 3531, 4521
- 6 from Biochemistry at the 4000 level
- 6 from Biology at the 3/4000 level, chosen in consultation with the Programme Advisor
- 6 from Chemistry at the 3/4000 level, chosen in consultation with the Programme Advisor

HONOURS in Biochemistry is 81 credits earned as follows:

- 72 credits as in the Major
- 9 from Biochemistry 4990 and Biochemistry 4903 or Biology 4903

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note:

BIOC 4501 (3CR)  
METABOLIC REGULATION  
Format: Lecture 3 Hours  
Prereq:

## BIOLOGY

Biology is the scientific study of living things: their form, their function, their origin and their behaviour. The study of Biology can be an important part of a liberal education, for to understand it well requires knowledge of chemistry, physics, mathematics, and natural history; to describe it well requires a command of language and ability to present observations visually; to appreciate it requires an awareness of human nature, both past and present, and the interplay between humans and other living organisms and their common environment. For three thousand years this discipline has developed to describe living things in aid of the arts of healing, of gardening and of living. Today it abounds with exciting new knowledge and discoveries, so that wise people still read about it with amazement or pursue it with delight.

In this department three things are attempted: to give all students an understanding of the scope, techniques and general principles which underline Biology; to encourage independent study and self-learning where possible; to give those students who are seriously interested in advanced studies an opportunity of exploring the areas of special interest to faculty who are primarily concerned with the fields of ecology and physiology.

Students intending to take a Major or Minor or Honours in Biology should consult the Department website and/or a Programme Advisor before completing registration.

### Disciplinary B.Sc. Programmes

MINOR in Biology is 24 credits earned as follows:

- 6 from Biology 1001, 1501
- 3 from Chemistry 1001
- 6 from Biology 2101, 2301, 2401, 2601
- 9 from Biology at the 3/4000 level, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in Biology is 66 credits earned as follows:

- 6 from Biology 1001, 1501
- 3 from Physics 1051
- 3 from Physics 1551, 3521
- 6 from Mathematics 1111, and three other credits in Mathematics or Computer Science selected from Mathematics 1121, 1131, 2211, 2221, 2311, or Computer Science 1711
- 9 from Chemistry 1001, 1021, 2101 or 2111
- 3 from Biochemistry 2001
- 12 from Biology 2101, 2301, 2401, 2601
- 6 from Group I Biology courses - Biology 3011, 3021, 3351, 3361, 3371, 3401, 3601, 3711, 3801, 3811, 4001, 4101, 4111, 4371, 4401, 4701, 4711
- 6 from Group II Biology courses - Biology 3111, 3201, 3211, 3311, 3901, 3941, 4201, 4211, 4221, 4301, Biochemistry 3501, 3531, 4501, 4521, 4531, 4541, 4551
- 6 from Group III Biology courses - Biology 3101, 3411, 3451, 3501, 3611, 3651, 3751, 4141, 4151, 4511
- 6 additional credits from Biology at the 3/4000 level

Note: Courses with significant biological content offered by other departments may be approved as biology credits (to a maximum of 6 credits, by permission of the Biology Dept.)

**BIOL 1211 (3CR)**  
**WORLD ECOSYSTEMS**

Format: Lecture 3 Hours

This course will introduce students to the basic concepts of population, community and ecosystem level ecology. Topics will include population growth, competition, succession, community composition and the cycling of energy. Field and laboratory work will stress direct measurement and observation of natural situations that illustrate these concepts. Students will take this course at a field station that offers adequate housing and laboratory facilities. These field stations may be anywhere in the world, but would most likely be in the Maritimes, the Caribbean or the Canadian Rockies. This course is offered only during the spring/summer session through Continuous Learning and only to non-Science majors.

**BIOL 1501 (3CR)**  
**CELL BIOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 1001, CHEM 1001; or permission of the Department  
A course providing an introduction to the structure, organization and functions of the cell, which is the fundamental structural and functional unit of living organisms. Particular emphasis will be placed on eukaryotic cells. Topics to be discussed include membranes and organelles, communication within and between cells, membrane transport, the cell cycle, meiosis and mitosis. There is a laboratory component to this course.

**BIOL 2101 (3CR)**  
**POPULATION AND COMMUNITY BIOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 1501; or permission of the Department  
A course designed to introduce current concepts of population and community ecology through lectures, field trips and laboratory exercises, using local organisms whenever possible. Familiarity with these organisms, principally aquatic insects, will be obtained through field trip and laboratory exercises.

**BIOL 2301 (3CR)**  
**PLANT BIOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 1501; or permission of the Department  
An introductory course in botany designed to present the structure and function of plants with an emphasis on vascular plants. Topics considered will include comparative evolutionary history, and development and functional adaptations to the environment.

**BIOL 2401 (3CR)**  
**ANIMAL BIOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 1501; or permission of the Department  
A lecture and laboratory course introducing students to the structure and function of major groups of invertebrate and vertebrate animals on a comparative basis. Topics to be covered in lectures will include comparative anatomy and phylogeny, and the evolution and function of locomotory, digestive, excretory, respiratory, nervous and reproductive systems. Laboratory exercises will be based on observation of both preserved and living material.

**BIOL 2601 (3CR)**  
**GENETICS**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 1501, CHEM 1021; or permission of the Department  
An introduction to genetics which will address the seemingly paradoxical phenomena of genetic continuity and genetic variation of living beings. This will be achieved by examining the cellular and molecular basis of gene replication, recombination and mutation. Viruses, bacteria and eukaryotes of various levels of organismic complexity will serve as examples both in lectures and laboratories.

**BIOL 3011 (3CR)**  
**EVOLUTION**

Format: Lecture 3 Hours

Prereq: BIOL 2601; or permission of the Department  
A lecture-tutorial course investigating modern theories of biological evolution and natural selection. Discussion of these ideas requires an understanding of the types of evidence for biological change in organisms, of Mendelian genetics and mechanisms of inheritance, of sources of genetic variability in natural populations and of genetic equilibrium of populations.

**BIOL 3021 (3CR)**  
**PALAEONTOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 2301 and 2401; or permission of the Department  
Life on earth did not always exist in the form we know it today. Both physical and biological aspects of the environment have changed repeatedly and dramatically over time. This course will provide an overview of the major fossil plant and animal taxa in the context of the history of life on Earth. Morphology and anatomy of organisms will be discussed in relation to accompanying changes in marine and terrestrial environments. The diagnostic features of the organisms used as time (biostratigraphy) and/or environmental (paleoecology) indicators will be emphasized when appropriate. We will discuss macroscopic and microscopic forms of life.

**BIOL 3101 (3CR)**  
**MICROORGANISMS**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOC 2001; or permission of the Department  
An introduction to the protists (algae, bacteria, fungi, protozoa) and to the viruses. The intent of this course is to make students familiar with the characteristics and nomenclature used to distinguish: (1) cells and viruses, (2) the major protists, and (3) sub-groups within each B1m(mdi03Lgy. Field and labory will serve as)19.5 0 0 1 3se designeng stu intro

BIOL 3111 (3CR)

APPLIED MICROBIOLOGY

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq:

**BIOL 3411 (3CR)**

**ICHTHYOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 2101 and 2401; or permission of the Department

This course provides an overview of the general biology of fish-like chordates, with particular emphasis on the teleost fishes, the most diverse and abundant taxonomic group of living vertebrates. Lectures will focus on adaptations that have allowed fishes to occupy most aquatic habitats and to become the most evolutionary successful group of vertebrates. Lectures will cover aspects of form and function, ecology and behaviour of evolutionary relationships. Laboratory exercises will provide students with practical experience at identifying specimens and learning about their form, function, behaviour, ecology and evolution.

**BIOL 3451 (3CR)**

**ENTOMOLOGY**

Format: Lecture 3 Hours, Laboratory/Field Trip 3 Hours

Prereq: BIOL 2401; or permission of the Department

Insects surpass all other organisms in their diversity and numbers, comprising over two thirds of the earth's known animals. This course will introduce students to this class of organisms by covering the following six areas: structure, function classification and phylogeny, behaviour and ecology. Throughout the course, evolutionary forces influencing the animals and systems involved will be stressed. Discussions will emphasize the use of the comparative methods to determine what these forces might be.

**BIOL 3501 (3CR)**

**NATIVE FLORA (VASCULAR PLANTS)**

**BIOL 3801 (3CR)**  
**THEORETICAL AND EVOLUTIONARY ECOLOGY**

Format: Lecture 3 Hours

Prereq: BIOL 2101, either BIOL 2301 or 2401; MATH 1111, 1121; or permission of the Department

This course begins with the classical growth curves, competition and predator-prey equations by Lotke, Volterra and others. The use of these simple mathematical models in niche and community theory is discussed, and the alternative approaches to interpreting natural communities are introduced (e.g. system analysis, neutral community models). The underlying assumptions are discussed in the light of modern neo-Darwinian and physiological approaches.

**BIOL 3811 (3CR)**  
**CONSERVATION BIOLOGY**

Format: Lecture 3 Hours

Prereq: BIOL 2101; or permission of the Department

The field of conservation biology applies to the principles of ecology, biogeography, and population genetics to the mitigation of human impact and the maintenance of global biodiversity. The course will familiarize the student with the concepts and principles of conservation biology and will encourage active debate about threats to ecological integrity and the ways scientists attempt to cope with such threats.

**BIOL 3901 (3CR)**  
**PLANT DEVELOPMENT**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 2301 and BIOC 2001; or permission of the Department

A lecture and laboratory course designed to explore the question of development of anatomical structures within vascular plants. The role of heredity and environment in signalling pattern development from a single fertilized seed to the multicellular reproductive plant will be discussed. Particular attention will be paid to the function of plant growth factors as signal devices.

**BIOL 3911 (3CR)**  
**PLANTS AND HUMAN SOCIETY**

Format: Lecture/Seminar 3 Hours

Prereq: First year level Biology; or permission of the Department

This course will deal with the interactions between plants and human societies from the time of the introduction of agriculture until the present. It will include the consideration of the evolution of vascular plants, especially those important to agriculture and forestry. It will emphasize the origins of agriculture on various continents; it will discuss economic botany and the present day commercial uses of plants. Consideration will be given to interrelations between plants and societies in their dietary, cultural and religious connotations. Finally, the course will consider world food shortages, either present or potential, and possible ways to alleviate these.

**BIOL 3941 (3CR)**  
**PLANT PHYSIOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: BIOL 2301 and BIOC 2001; or permission of the Department

A lecture and laboratory course designed to present a general introduction to the physiology of plants. Topics that will be discussed include photosynthesis, from the level of light entrapment to that of the fixation of carbon dioxide; translocation of sugars and the storage of energy rich food reserves; transpiration and water loss from leaves, as well as uptake and water transport within the plant; and mineral nutrition including uptake and transport of nutrients as well as their distribution and use.

**BIOL 4101 (3CR)**  
**BEHAVIOURAL ECOLOGY**

Format: Lecture 3 Hours

Prereq: BIOL 3011, 3401; or permission of the Department

A course to explore the relationships between animal behaviour and ecology, emphasizing the behavioural strategies which animals have evolved to enhance their survival and to increase their reproductive success. Topics such as foraging, living in groups, resource defence, sexual selection, parental care, mating systems, altruism and communication will be discussed within a neo-Darwinian framework using optimality models and game theory.

**BIOL 4111 (3CR)**  
**FIELD ECOLOGY**

Format: Lecture 3 Hours, Laboratory/Field Trip 3 Hours

Prereq: BIOL 2101, 3701; or permission of the Department

This course will introduce students to the basic principles of field ecology research, experimental design, and data analysis, through lectures, laboratories, field trips, course readings, and guest speakers. The course will focus on various techniques used in quantitative field ecology, including the design of observational studies, environmental impact assessments, and manipulative experiments used for the description and classification of habitats, and assessing the ecological factors that influence plant and animal distribution and abundance. Throughout the course we will also read, critique and discuss research papers from the primary ecological literature.

**BIOL 4141 (3CR)**  
**MYCOLOGY**

Format: Lecture 3 Hours

Prereq: BIOL 3101 (or as a co-requisite); or permission of the Department

This course will give an overview of true Fungi (Ascomycetes, Basidiomycetes, Zygomycetes and Chytridiomycetes), and of the fungus-like Oomycetes. Structure/function relationships will be emphasized, as well as the significance of the various groups in ecology, medicine, plant disease and their use in industry.





BIOL 4701 (3CR)

TROPICAL MARINE BIOLOGY

Format: Lecture 3 Hours, Field Trip

Prereq: BIOL 2101, 2401, and one of BIOL 3361, 3371; and permission of the Department

This lecture and field course will introduce students to the fauna, flora and complex interactions in tropical habitats and allow independent research in such habitats. Habitats explored will be coral reefs, reef lagoons, mangrove swamps and rocky shores. Ecological and behavioural interactions of organisms in those areas will be stressed. The field component of this course will take place at a field station in the Caribbean for twelve days that include the week of Independent

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## CANADIAN STUDIES

With the establishment of the Edgar and Dorothy Davidson Chair of Canadian Studies in 1969, Mount Allison University developed its programme of Canadian Studies, at the time the only one of its kind in Canada. The programme was further strengthened in 1977 with the endowment of the Winthrop Pickard Bell Chair of Maritime Studies. The entire programme is designed for those students who wish to increase their knowledge of Canada, its history, institutions and culture.

Unity in the Programme is achieved by concentrating on the interrelationships of disciplines within the Canadian context.

Participating disciplines include Economics, English, Fine Arts, French, Geography, History, Linguistics, Music, Political Science, Religious Studies, Sociology, and Anthropology.

The comprehensive nature of the Programme and its innate flexibility prepare the student for entrance to a wide range of careers and activities, in post-graduate studies in many areas of concentration, as well as in business, government, journalism, law, library science and social work.

### Interdisciplinary B.A. Programmes

MINOR in Canadian Studies is 24 credits earned as follows:

- 12 from Canadian Studies 2001, 2011, 4600
- 12 from Canadian Studies 3101, 3111, 3121, 3301, 3311, 3401, 3411, 4250/1, 4651, 4661, 4950/4951, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in Canadian Studies is 60 credits earned as follows:

- 12 from Canadian Studies 2001, 2011, 4600
- 12 from Canadian Studies 3101, 3111, 3121, 3301, 3311, 3401, 4250/4251, 4651, 4661, 4950/4951
- 6 from French 1700, 2401, 2501, 2601 or any third year course on the language or literature of French Canada
- 12 from English 1/2000 series, Economics 1000, (or 1001 and 1011), Fine Arts - Art History 2001, 2011, Music 2000, Political Science 1000, History 2410, Geography 1201, 2311, Sociology 1001, Anthropology 1011
- 18 from Options A, B, C, or D below, chosen in consultation with the Programme Advisor

#### A. Multidisciplinary Overview:

Economics 2301, 2311, 3101, 3111, 3201, 3211, 3611, 3621 3721  
 English 2801, 3801, 3811, 3821, 3831, 4801  
 Fine Arts - Art History 3021, 3031  
 French 2601, 3711, 3741, 3751, 3771  
 Geography 3301, 3511, 4311  
 History 3401, 3411, 3421, 3431, 3441, 3451, 3461, 3501, 4420, 4440, 4450  
 Linguistics 3011  
 Music 3001  
 Political Science 2101, 3031, 3101, 3111, 3121, 4100, 4300  
 Sociology 3111, 3121, 3211, 3221, 3501, 3521, 3701, 4531  
 Anthropology 2801, 3821, 3851

**B. Arts and Literature:**

English 2801, 3801, 3811, 3821, 3831, 4801  
 Fine Arts - Art History 3021, 3031  
 French 2601, 3711, 3741, 3751, 3771  
 Music 3001

**C. Historical Perspectives:**

Economics 3611, 3721  
 English 2801  
 Fine Arts - Art History 3021, 3031  
 Geography 3301, 3511  
 History 3401, 3411, 3421, 3431, 3441, 3451, 3461, 3501, 4420, 4440, 4450  
 Political Science 2101, 3101, 3111, 3121, 4100, 4300

**D. Social Perspectives:**

Economics 2301, 2311, 3101, 3111, 3201, 3211, 3611, 3621, 3721  
 Geography 3201, 3301, 3511  
 History 3501  
 Linguistics 3011  
 Political Science 2101, 3031, 3101, 3111, 3121, 4100, 4300  
 Sociology 3111, 3121, 3211, 3221, 3501, 3521, 3701, 4531  
 Anthropology 2801, 3821, 3851

**HONOURS in Canadian Studies is 72 credits earned as follows:**

- 60 credits as in the Major, plus
- 6 further from Canadian Studies 3101, 3111, 3121, 3301, 3311, 3401, 3411, 4250/4251, 4651, 4661, 4950/4951
- 6 from Canadian Studies 4990

Courses chosen in consultation with the Programme Advisor

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

**CANADIAN STUDIES COURSES****CANA 2001 (3CR)****CANADA AND THE MODERN AGE: AN INTRODUCTION TO THE CANADIAN COMMUNITY**

Format: Lecture/Discussion 3 Hours

Exclusion: CANA 2000

This course provides students with an introduction to contemporary Canada, with a particular focus on politics and economics. It examines the nature of the Canadian economy, the nature and organization of the Canadian state, current political issues, and Canada's place in world affairs.

**CANA 2011 (3CR)****AN INTRODUCTION TO CANADIAN CULTURE**

Format: Lecture/Discussion 3 Hours

Exclusion: CANA 2000

This course provides an introduction to Canadian culture and identity. It examines key Canadian symbols and myths and various forms of cultural expression, including film, the arts, literature, and music in relation to Canadian national identity.

**CANA 3101 (3CR)****NATIVE PEOPLES OF CANADA: HISTORICAL PERSPECTIVES**

Format: Lecture/Discussion 3 Hours

Prereq: CANA 2000 or CANA 2001 and 2011; or permission of the Coordinator of the Canadian Studies teaching programme

Exclusion: CANA 3100

This interdisciplinary course examines the historical, social, and cultural development of the Indian and Inuit peoples of Canada.

**CANA 3111 (3CR)****NATIVE PEOPLES OF CANADA: CONTEMPORARY ISSUES**

Format: Lecture/Discussion 3 Hours

Prereq: CANA 2000 or CANA 2001 and 2011; or permission of the Coordinator of the Canadian Studies teaching programme

Exclusion: CANA 3100

This course explores the dynamics of contemporary First Nations culture in Canada from an interdisciplinary perspective. Among the key issues it seeks to explore are: the development of Native arts and culture in modern Canada, contemporary First Nations philosophy and ethics, and the politics of self-government among various First Nations.

**CANA 3121 (3CR)****MULTICULTURALISM, IMMIGRATION, AND DIVERSITY IN CANADA**

Format: Lecture/Discussion 3 Hours

Prereq: CANA 2001, 2011 or (CANA 2000)

This course will explore the historical development of multiculturalism, its policy framework, alternative conceptions of plurality and diversity within Canada, demographic trends, and current controversies surrounding multiculturalism. It will conclude by looking at future developments in ethno-cultural diversity within Canada and where they might take the Canadian nation.

**CANA 3301 (3CR)****CANADIAN WOMEN: CRITICAL PERSPECTIVES**

Format: Lecture/Discussion 3 Hours

Prereq: CANA 2000 or CANA 2001 and 2011; or permission of the Coordinator of the Canadian Studies teaching programme

Exclusion: CANA 3300

This course provides an interdisciplinary perspective on the role and status of women in contemporary Canada. It focuses on the history of women's political movements, the changing status of women, the impact of the "second wave" of Canadian feminism, Native women, and recent immigrants.

CANA 3311 (3CR)  
CANADIAN WOMEN'S CULTURAL EXPRESSION  
Format:

## CHEMISTRY

Chemistry is the branch of physical science involving the study of the composition of substances, the ways in which their properties are related to their composition, and the interaction of substances to produce new materials. This subject occupies a central place among the sciences - it draws on the facts and theories of physics, and on mathematics for the tools necessary to evaluate and express quantitative chemical information. Chemistry in turn, provides terminology, facts, principles and methods that are essential to many aspects of other sciences. The applications of chemistry in fields such as agriculture, medicine, pharmacology, pharmacy, engineering and oceanography are numerous.

The undergraduate programme is designed to provide students with an education in the main branches of the subject, namely, analytical, inorganic, organic, physical and computational chemistry. The broad objectives of the Department are summarized in the following definition of education:

Education is learning to appraise data critically, to try to think up an intellectual framework, to be able to test it, to be able to marshal facts, to be able to write about them, to be able to communicate with people who may - and almost certainly will - have less knowledge of those facts than you have, because they will be asking you questions about them with a view to taking some action. (F. Dainton)

Students interested in pursuing a Major or Minor in Chemistry or Chemistry Honours, should consult the Departmental Handbook and a faculty member of the department before completion of registration.

### Disciplinary B.Sc. Programmes

MINOR in Chemistry is 24 credits earned as follows:

- 6 from Chemistry 1001, 1021
- 3 from Mathematics 1111
- 9 from Chemistry at the 2000 level\*
- 6 from Chemistry at the 3/4000 levels

\*Where insufficient Chemistry courses are available at the 2000 level to fulfill this requirement, Chemistry courses at the 3/4000 levels may be substituted. Students cannot count CHEM 1501 or CHEM 2511 towards a Minor.

MAJOR AREA OF STUDY in Chemistry is 60 credits earned as follows:

- 6 from Chemistry 1001, 1021
- 9 from Mathematics 1111, 1121, 2111
- 3 from Mathematics or Computer Science
- 6 from Physics 1051, 1551
- 12 from Chemistry 2111, 2121, 2211, 2311
- 12 from Chemistry 3231, 3321, 3411, 3421
- 12 from Chemistry at the 3/4000 level, chosen in consultation with the Programme Advisor

### THE CHEMISTRY HONOURS PROGRAMME

Students with a special interest in Chemistry and those who, after obtaining the B.Sc. degree, wish to continue their studies at the post-graduate level, should consider following the Chemistry Honours

programme. The courses required for the B.Sc. Chemistry Honours degree are all listed below. The required chemistry credits are ones that provide for study of the main branches of Chemistry in some depth. The required twelve credits from Mathematics and the six credits from Physics give minimum background essential for work in Chemistry. Honours students are given a special opportunity to participate in chemical research with faculty members in the Thesis (C4990) course. This research is normally carried out in the summer months following the third year.

HONOURS in Chemistry is 84 credits earned as follows:

- 36 credits as in first 5 lines of Major except that the 3 from Mathematics or Computer Science referred to in line 3 is restricted to Mathematics 2221
- 24 from Chemistry 3111, 3121, 3231, 3241, 3321, 3331, 3411, 3421
- 6 from Chemistry 4990
- 18 from Chemistry at the 3/4000 level or Biochemistry at the 3/4000 level (no more than 3 credits from Biochemistry)

### CHEMISTRY LABORATORY WORK

Most Chemistry courses in the first three years have laboratory classes of about three hours duration each week as indicated in the course description.

### GRADUATE STUDIES IN CHEMISTRY

The Department of Chemistry offers a programme of research courses leading to the Master of Science degree. The research interests in the Department are varied and further information can be obtained from the Department Head or from individual facesearch withateseu(t 0 1 M4 Tm(c

CHEM 1021 (3CR)

INTRODUCTORY CHEMISTRY II

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours, Regular Tutorials

Prereq: CHEM 1001; or permission of the Department

The quantitative nature of chemistry will be developed through a discussion of gases followed by consideration of kinetics and equilibrium. The thermodynamics introduced in the first term will be expanded together with a brief discussion of redox properties and electrochemistry.

CHEM 1501 (3CR)

CHEMISTRY IN MODERN SOCIETY

Format: Lecture/Discussion 3 Hours

Prereq: None

Chemistry topics that have bearing on modern living and the environment will be discussed. Fundamental notions of modern chemistry will be developed and links with other disciplines identified.

CHEM 2101 (3CR)

ORGANIC CHEMISTRY FOR THE BIOLOGICAL SCIENCES

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: CHEM 1021; or permission of the Department

Exclusion: CHEM 2111, 2121, 2131, 2141, 2151

An introduction to the structure, reactivity and biological relevance of a variety of functional groups is presented. There will also be an introduction to spectroscopy.

CHEM 2111 (3CR)

ORGANIC CHEMISTRY I

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: CHEM 1021; or permission of the Department

Exclusion: CHEM 2101, 2131, 2141

Structural basics including aromaticity, resonance, and stereochemistry will be emphasized and developed. An appreciation of the link between structure, mechanism and reactivity will be explored.

CHEM 2121 (3CR)

ORGANIC CHEMISTRY II

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: CHEM 2111; or permission of the Department

Exclusion: CHEM 2101, 2131, 2151

Functional group chemistry will be used to develop more sophisticated mechanistic skills. Problems in organic synthesis will be studied within a mechanistic context. An introduction to the interpretation of first order proton nmr spectra will be included.

CHEM 2211 (3CR)

PHYSICAL CHEMISTRY I: THERMODYNAMICS

Lecture/Discussion

CHEM 3241 (3CR)





## GRADUATE CHEMISTRY COURSES

CHEM 5101 (3CR)

GRADUATE STUDIES IN CHEMISTRY I

Format:

Prereq: Registration in the M.Sc. programme and permission of the Department

CHEM 5201 (3CR)

GRADUATE STUDIES IN CHEMISTRY II

Format:

Prereq: Registration in the M.Sc. programme and permission of the Department

CHEM 5301 (3CR)

GRADUATE STUDIES IN CHEMISTRY III

Format:

Prereq: Registration in the M.Sc. programme and permission of the Department

CHEM 5401 (3CR)

GRADUATE STUDIES IN CHEMISTRY IV

Format:

Prereq: Registration in the M.Sc. programme and permission of the Department

CHEM 5990 (6CR)

M.SC. THESIS IN CHEMISTRY

Format: Independent Study/Thesis

## CLASSICS

Classical Studies is concerned primarily with the cultures of Greece and Rome and their contributions to Western civilization. It is unique among modern academic disciplines in the breadth of its approach to its subject. In an age when undue specialization threatens the student in so many areas of learning, Classics is a field in which the specialist must be simultaneously linguist, literary critic, anthropologist, sociologist, and historian, not only of politics, but also of religion and art.

The cultures of Greece and Rome are fascinating and important in themselves, but seen in the context of their legacy the very special value that we attach to them comes to light. For many elements of our own culture - its language and literature, its social and political patterns, and its ideals - are deeply rooted in the experience and achievement of Greece and Rome.

The Department of Classics at Mount Allison offers the opportunity to study these ancient cultures through courses in history, mythology, art, archaeology, language, and literature. The history and literature of Greece and Rome can be approached either in the original languages or through courses using English translation. The study of ancient literature in translation makes it possible to gain an acquaintance with the thought and literary art of antiquity without studying Greek and Latin. But those deeply interested in the subject should bear in mind the importance of the languages themselves; the direct experience of the ancients through study of Greek and Latin, in order to be fruitful, should begin as early as possible in the university career.

Further information on courses, facilities, and special activities is available in the Curriculum Handbook issued annually by the Department of Classics.

The Humanities 1600 series is intended to provide an introduction to Humanities disciplines. These three-credit courses offered by the participating disciplines of Classics, History, Philosophy and Religious Studies are designed to acquaint beginning students with the methodologies typical of these disciplines and to familiarize them with

MAJOR AREA OF STUDY in Classical Studies is 60 credits earned as follows:

- 6 from Latin 1001, 1101, or Greek 1001 and 1101
- 36 from Classics, Greek, Latin, of which 24 must be from the 3/4000 level
- 18 from complementary courses in Arts and Letters and Humanities (or others), chosen in consultation with the Programme Advisor

HONOURS in Classical Studies is 72 credits earned as follows:

- 12 from Latin 1001, 1101, Greek 1001, 1101
- 6 from Latin 2001, 2101, Greek 2001, 2101
- 6 from Greek/Latin at the 3000/4000 level OR Classical Studies 4950/4951
- 48 from Classics/Greek/Latin, of which 33 must be at the 3/4000 level

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## CLASSICAL STUDIES COURSES

CLAS/HIST 1631 (3CR)

GREECE AND ROME: THE FOUNDATIONS OF WESTERN CIVILIZATION

Format: Lecture 3 Hours

Note: This course is cross-listed as HIST 1631 and may therefore count as 3 credits in either discipline.

The political and social history of ancient Greece and Rome will be surveyed with a focus on the themes of Law, Politics, War, and Society. Special attention will be paid to Athens in the fifth and fourth centuries B.C.E. and to Rome under Caesar Augustus.

CLAS 1641 (3CR)

CLASSICAL MYTHOLOGY: THE HERO'S QUEST

Format: Lecture 3 Hours

An introduction to the heroes and heroines of classical myth through the literature and art of ancient Greece and Rome. The course will examine the major cycles of Greek heroic saga, including stories about the Trojan War, the Wanderings of Odysseus, the exploits of Hercules,

CLAS/HIST 3001 (3CR)

DEMOCRACY AND IMPERIALISM IN CLASSICAL GREECE

Format: Lecture 3 Hours

Prereq: Second-year standing and three credits from any Classics or History course at the 1000 or 2000 level; or permission of the Department

Note: This course is cross-listed as HIST 3001 and may therefore count as 3 credits in either discipline.

CLAS 3601 (3CR)  
THE BIRTH OF GREEK ART  
Format:

LATI 4950/4951 (6/3CR)  
 SPECIAL PROJECT IN LATIN  
 Format: Independent Study  
 Prereq: Permission of the Department  
 Directed readings and study of a special topic in Latin language or literature, or in Roman history.

## GREEK COURSES

GREK 1001 (3CR)  
 Introductory Ancient Greek I  
 Format: Lecture 3 Hours, Tutorial 1 Hour  
 Exclusion: GREK 1000  
 An introduction to the grammar and vocabulary of ancient Greek for students with no previous knowledge of the language. Through grammatical exercises, composition, and the reading of prescribed texts, the student will develop a basic understanding of the language of classical Athens. Three class periods per week, plus a fourth hour to be arranged after classes have begun.

GREK 1101 (3CR)  
 Introductory Ancient Greek II  
 Format: Lecture 3 Hours, Tutorial 1 Hour  
 Prereq: GREK 1001; or permission of the Department  
 Exclusion: GREK 1000  
 A continuation of the study of the ancient Greek language. This course adds new grammar and continues to build vocabulary, while concentrating on the development of a reading facility in ancient Greek. Three class periods per week, plus a fourth hour to be arranged after classes have begun.

GREK 2001 (3CR)  
 INTERMEDIATE GREEK  
 Format: Lecture/Discussion 3 Hours  
 Prereq: GREK 1000 or GREK 1101; or permission of the Department  
 This course introduces students to the reading of unadapted passages from ancient authors. While the emphasis is on developing a fluency in reading Greek, it also reviews basic Greek grammar and presents some more advanced grammar and syntax.

GREK 2101 (3CR)  
 INTRODUCTORY READINGS IN GREEK LITERATURE  
 Format: Lecture/Discussion 3 Hours  
 Prereq: GREK 2001; or permission of the Department  
 A reading of selected works by Greek authors. This course will acquaint the student with some of the forms of ancient prose and poetry.

GREK 3001 (3CR)  
 READINGS IN GREEK PROSE  
 Format: Lecture/Discussion 3 Hours  
 Prereq: GREK 2101; or permission of the Department  
 The translation and study of the work of one or more Greek prose authors.

GREK 3101 (3CR)  
 READINGS IN GREEK POETRY  
 Format: Lecture/Discussion 3 Hours  
 Prereq: GREK 2101; or permission of the Department  
 The translation and study of the work of one or more Greek poets.

GREK 4001 (3CR)  
 DIRECTED READINGS IN GREEK  
 Format: Lecture/Discussion 3 Hours  
 Prereq: Permission of the Department  
 Detailed study of one or more Greek authors.

GREK 4950/4951 (6/3CR)  
 SPECIAL PROJECT IN GREEK  
 Format: Independent Study  
 Prereq: Permission of the Department  
 Directed reading and study of a special topic in Greek language or literature, or in Greek history.

# COGNITIVE SCIENCE

**COMM 2101 (3CR)**

**INTRODUCTORY FINANCIAL ACCOUNTING I**

Format: Lecture/Discussion/Problem Based Learning 3 Hours

Prereq: 9 credits from any combination of the following 12 credits:

MATH 1111, ECON 1000 (or ECON 1001 and 1011), 3 credits in Computer Science; or permission of the Department

Exclusion: COMM 1111

This course introduces the accounting model and analysis of Financial Statements and the important concepts associated with them.

**COMM 2121 (3CR)**

**INTRODUCTORY FINANCIAL ACCOUNTING II**

Format: Lecture/Discussion/Problem Based Learning 3 Hours

Prereq: COMM 2101; or permission of the Department

Exclusion: COMM 1121

This course examines in greater detail the principles, practices and techniques of financial accounting first introduced in Commerce 2101.

**COMM 2131 (3CR)**

**MANAGEMENT ACCOUNTING**

Format: Lecture/Discussion/Problem Based Learning/Projects 3 Hours

Prereq: COMM 2101; or permission of the Department

Exclusion: COMM 2111

An introduction to the principles and practices of management accounting, with a concentration on the decision making process. Topics include the use of accounting data in short-run and long-run decision making; managerial planning, control, and internal performance evaluation; and an introduction to variance analysis.

**COMM 2201 (3CR)**

**FUNDAMENTALS OF MARKETING**

Format: Lecture/Case Study 3 Hours

Prereq: 9 credits from any combination of the following 12 credits:

MATH 1111, ECON 1000 (or ECON 1001 and 1011), 3 credits in Computer Science; or permission of the Department

A consumer orientation is essential for effective marketing decision making. In this course, the meaning of products and services to the consumer is stressed. Students have the opportunity to develop fundamental skills in analysis, report writing, and presentations.

**COMM 2211 (3CR)**

**MARKETING MANAGEMENT**

Format: Case Discussion/Lecture/Projects 3 Hours



COMM 3131 (3CR)

COST ACCOUNTING

Format: Lecture/Discussion/Problem Based Learning 3 Hours

Prereq: COMM 2131; or permission of the Department

A study of the principles, procedures and techniques of analysis used in cost accounting. This course will cover operating budgets, product costing, predetermined costs, planning and control, relevant costs, and variance analysis.

COMM 3141 (3CR)

ACCOUNTING THEORY

Format: Lecture/Discussion 3 Hours

Prereq: COMM 2121; or permission of the Department

This course examines the historical development of accounting theory and practice with particular emphasis on the theory of income and asset valuation. Topics include the theoretical basis for past and present accounting principles and current issues and developments in accounting practice.

COMM 3151 (3CR)

TAXATION

Format: Lecture/Discussion/Problem Based Learning 3 Hours

Prereq: COMM 2131 and ECON 1000, (or 1001 and 1011); or permission of the Department

Exclusion: COMM 4111

The course will explore the basic principles of taxation in Canada, with emphasis on Canadian Income Tax. It stresses the effects of taxation on business decisions by individuals and corporations.

COMM 3161 (3CR)

INTRODUCTION TO AUDITING

Format: Lecture/Discussion 3 Hours

Prereq: COMM 2121; or permission of the Department

Exclusion: COMM 4151

This course introduces the role of auditing in society and the ethics and standards of professional conduct expected of auditors. It develops a conceptual understanding of key decisions made by auditors when examining and reporting on financial statements. It develops an appreciation of the complex environment in comprehensive or value-for-money audit on corporations and public institutions.

COMM 3211 (3CR)

CONSUMER BEHAVIOUR

Format: Lecture/Application 3 Hours

Prereq: COMM 2211; or permission of the Department

The course examines social, psychological, situational, and economic influences on the consumer decision-making process of individuals and families. It emphasizes new product adoption, marketing communications, and consumer research applications.

COMM 3231 (3CR)

MARKETING CHANNELS OF DISTRIBUTION

Format: Case Discussion/Lecture/Projects 3 Hours

Prereq: COMM 2211; or permission of the Department

Marketing strategy is implemented within the context of channels of distribution. This course studies distribution issues faced by manufacturers, wholesalers, retailers, and specialized institutions. It emphasizes inventory issues, product assortment decisions, channel negotiations, and channel change.

COMM 3251 (3CR)

INTERNATIONAL MARKETING

Format: Lecture/Case Study 3 Hours

Prereq: COMM 2211; or permission of the Department

Marketing is the primary focus of this course. It covers topics such as market research, international trade, and distribution channels.

COMM 3361 (3CR)  
ENTREPRENEURSHIP AND NEW VENTURE CREATION  
Format:

COMM 4101 (3CR)

ADVANCED ACCOUNTING I

Format: Lecture/Discussion 3 Hours

Prereq: COMM 3121; or permission of the Department

Exclusion: COMM 4121

**COMM 4331 (3CR)**

**MANAGEMENT OF ORGANIZATIONAL CHANGE**

Format: Case Discussion/Lecture 3 Hours

Prereq: COMM 3341; or permission of the Department

A study of organizational change from two perspectives: planned change and evolutionary change. In discussing planned change the focus is on the planning and implementation process for introducing innovation, restructuring, continual learning, and other types of organizational change. Topics include overcoming resistance to change and embedding the desired change. In discussing evolutionary change the focus is on the patterns of change in the cultures, structures, systems and processes in different types of organizations over extended periods of time in response to management initiatives, competitive pressures and changes in other organizational variables.

**COMM 4341 (3CR)**

**BUSINESS ETHICS**

Format: Lecture/Discussion 3 Hours

Prereq: COMM 3501 or COMM 3411, ECON 1000 (or ECON 1001 and 1011); or permission of the Department

This course deals with principles and practices of business ethics, with particular reference to Canada and North America. Issues investigated may include: the question of moral and legal responsibilities of corporations, ethics in business (including the various elements of ethics programmes such as codes of conduct, telephone hotlines, training, the use of ethics officers and of ethics consultants), different control styles (integrity vs compliance programmes), the problems associated with the prisoner's dilemma, the existence of implicit moral theory in economics and finance, the theory of the firm and agency theory, the problem of reputation, virtue ethics, ethical investment theory and practice, and the modelling of ethical problems, mainly using game theory.

**COMM 4441 (3CR)**

**MANAGEMENT OF TECHNOLOGY**

Format: Lecture/Discussion 3 Hours

Prereq: COMM 3421; or permission of the Department

An examination of theories of technological innovation and technology diffusion in the industrial sector as background for a study of the strategic possibilities open to the firm's senior management for shaping its product and process technology. Topics include: invention and the commercialization of invention, organization of the R and D function, protection of new technology, importation and adoption of technology new to the firm, incremental innovation, shopfloor innovation and tinkering, and monitoring the technological environment.

**COMM 4501 (3CR)**

**INVESTMENTS AND PORTFOLIO MANAGEMENT**

Format: Lecture/Discussion/Field Trip 3 Hours

Prereq: COMM 3501; or permission of the Department

Note: Counts as an Economics elective for students taking a Bachelor of Commerce or a Major, Minor or Honours in Economics.

Topics include theories of security valuation, portfolio selection, stock markets and economic efficiency, and capital market equilibrium. The behaviour of prices of stocks, bonds, and money market instruments will be investigated. Derivative securities will be introduced. Problems of evaluating the investment performance of individuals and investment management institutions will be discussed.

**COMM 4511 (3CR)**

**CAPITAL MARKETS AND FINANCIAL INSTITUTIONS**

Format: Lecture/Discussion 3 Hours

Prereq: COMM 3501; or permission of the Department

Note: Counts as an Economics elective for students taking a Bachelor of Commerce or a Major, Minor or Honours in Economics.

An examination of the functions of financial intermediaries operating in our capital markets. Topics are selected from financial intermediation theory, capital markets, security and financial market regulations, risk and return in financial markets, and ethical considerations.

**COMM 4521 (3CR)**

**CORPORATE FINANCE**

Format: Lecture/Discussion 3 Hours

## COMPUTER SCIENCE

The study of computing ranges from hands-on applications to pure theory, and includes the analysis of algorithms, the study of computer architectures, compilers and operating systems, networks, and software engineering. Our goal is to introduce students to all facets of the discipline, and to give them an appreciation of the historical, ethical, and social context of computing, and the responsibility of the computer professional and casual computer user in a modern society.

The Department offers a broad variety of courses and programs in Computer Science. Introductory courses may teach programming and theories of computing or offer a general overview of the use and application of popular microcomputer software; more advanced courses deal with topics ranging from artificial intelligence and the role of computers in society to the design and implementation of advanced hardware or software systems. All courses in the computing curriculum offer a blend of theory and practical application, with many of the offerings having a significant project component in which students are given the opportunity to apply the classroom material to real-world problems. Courses are designed to address the needs of a wide variety of users, from the casual to the professional. Some students may enrol

**COMP 1721 (3CR)****INTRODUCTION TO COMPUTER SCIENCE II**

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: COMP 1711; or permission of the Department

In the context of solving several larger problems, the techniques of topdown problem solving will be emphasized in order to further develop good programming style. Topics include: documentation, debugging and testing, string processing, internal searching and sorting, elementary data structures, recursion and algorithmic analysis. Further high-level languages may be introduced.

**COMP 1751 (3CR)****INTRODUCTION TO SCIENTIFIC PROGRAMMING**

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: MATH 1111; or permission of the Department

An introduction to computer systems and the FORTRAN programming language. Special attention is given to the development and implementation of algorithms for solving computational problems.

**COMP/MATH 2211 (3CR)****DISCRETE STRUCTURES**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 1111; or permission of the Department

Note: This course is cross-listed as MATH 2211 and may therefore count as three credits in either discipline.

Exclusion: MATH 2211 Discrete Structures

An introduction to the terminology and concepts of discrete mathematics, covering such topics as: sets, functions, induction, enumeration, graphs and trees, boolean algebras, semigroups and groups, and the design of algorithms.

**COMP 2611 (3CR)****DATA AND FILE STRUCTURES**

Format: Lecture/Discussion 3 Hours, Laboratory 1.5 Hours

Prereq: COMP 1721; or permission of the Department

Effective methods of data organization, focussing on data structures and their algorithms via abstract data types with use of recursive procedures. Design of flexible file structures and related methods e.g. indexes, system file structures, hashed access. Object oriented programming techniques are used in depth.

**COMP 2711 (3CR)****OBJECT-ORIENTED DESIGN AND METHODOLOGY**

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: COMP 2611; or permission of the Department

Exclusion: COMP 2621 (Data and File Structures II), 2811

Continues the introduction to object-oriented programming begun in earlier CS courses, emphasizing further development of algorithms, data structures, software engineering, and the social context of computing.

**COMP 2931 (3CR)****INTRODUCTION TO SYSTEMS PROGRAMMING**

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: COMP 1721; or permission of the Department

Exclusion: COMP 2911

This course is an introduction to programming at the systems level. Topics include: basic machine organization, assembly language, the UNIX environment, shell scripting, and C/C++ programming.

**COMP/PHYS 3361 (3CR)****DIGITAL SIGNAL PROCESSING AND ELECTRONICS**

Format: Lecture/Discussion 3 Hours, Laboratory 3 Hours

Prereq: PHYS 2251 and PHYS 2801 and COMP 1711; or PHYS 1551 and COMP 2611 and COMP 2931; or permission of the Department

Note: This course is cross-listed with PHYS 3361 and may therefore count as three credits in either discipline

Exclusion: COMP/PHYS 3351

This course introduces students to both digital electronic circuits and digital signal processing, and would be valuable both for those planning to go on in technical careers in computer science or in physics, and for scientists who wish to develop tools for the collection and analysis of data. Topics to be covered include digital logic gates, Boolean algebra, counting circuits, digital signal conditioning, sampling considerations such as the Nyquist criterion, analog to digital and digital to analog conversion, Fourier Transform theory and application as FFT, correlation and convolution, digital filtering using finite impulse response and infinite impulse response circuits including the ztransform and filter design, and digital image processing including two dimensional FFT techniques, microprocessors, microcontrollers and digital signal processing integrated circuits.

**COMP/MATH 3411 (3CR)****NUMERICAL ANALYSIS**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 1121, 2221, COMP 1711; or permission of the Department

Note: This course is cross listed as MATH 3411 and may therefore count as three credits in either discipline.

This course is an introduction to numerical methods for solving a variety of problems in mathematics, the natural sciences, and engineering. Topics to be studied include numerical solution of linear and nonlinear systems of equations, Gauss elimination, pivoting strategies, numerical stability, PLU factorization, tridiagonal matrices, polynomial and cubic spline approximation and interpolation.

**COMP/MATH 3511 (3CR)****LINEAR PROGRAMMING**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2221, 3 credits in Computer Science; or permission of the Department

Note: This course is cross listed as MATH 3511 and may therefore count as three credits in either discipline.

Among the topics covered are linear and integer programming, the simplex and revised simplex methods, duality theory and sensitivity analysis, and various applications.

**COMP/MATH 3531 (3CR)**  
**SIMULATION AND MODELING**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 1111; one of MATH 2311, 3311, PSYC 2001 and 2011;  
3 credits in Computer Science; or permission of the Department

Note: This course is cross listed as MATH 3531 and may therefore  
count as three credits in either discipline.

An introduction to the simulation technique for studying mathematical  
models. Specific topics to be considered include: systems theory and  
system models, continuous system simulation, discrete system  
simulation, Monte Carlo methods, random number generators, and  
simulation languages. Emphasis will be placed upon computer  
implementation of the methods studied.

**COMP 3611 (3CR)**  
**ALGORITHM ANALYSIS**

Format: Lecture/Discussion 3 Hours

Prereq: COMP 2611, COMP/MATH 2211; or permission of the  
Department

The purpose of this course is to apply analysis and design techniques  
to nonnumeric algorithms which act on data structures. Designing  
efficient algorithms for internal and external sorting/merging/searching  
leads to notions of complexity (e.g. NP-hard problems) and to memory  
management techniques. Projects will involve system design of data  
management systems incorporating the theoretical aspects studied.

**COMP 3651 (3CR)**  
**ARTIFICIAL INTELLIGENCE**

Format: Lecture/Discussion 3 Hours

Prereq: COMP 2611, COMP/MATH 2211; or permission of the  
Department

This course introduces general problem solving methods associated  
with automated reasoning and simulated intelligence. Topics include:

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**COMP/MATH 4651 (3CR)****CRYPTOGRAPHY**

Format: Lecture/Discussion 3 Hours

Prereq: COMP1711, 1721, COMP/MATH 2211; or permission of the Department

This course is an introduction to cryptographic algorithms and to the cryptanalysis of these algorithms, with an emphasis on the fundamental principles of information security. Topics include: classical cryptosystems, modern block and stream ciphers, public-key ciphers, digital signatures, hash functions, key distribution and agreement.

**COMP 4721 (3CR)****SOFTWARE DESIGN**

Format: Lecture/Discussion 3 Hours, Laboratory 2 Hours

Prereq: COMP 2611, 2711, 2931, 6 credits in Computer Science at the 3000/4000 level, and third or fourth-year standing; or permission of the Department

This course includes the study of software design topics such as software life cycle, requirements specification, and quality assurance. Software design topics such as strategies, intractable problems, concurrent systems, and data modeling are included. This course will include a large software project.

**COMP 4911 (3CR)****COMPUTER NETWORKS**

Format: Lecture/Discussion 3 Hours

Prereq: COMP 2611, 2931, and 3 credits from Computer Science at the 3/4000 level; or permission of the Department

An introduction to computer network applications and design. Topics will include: layered models, data transmission protocols, network topology, and security.

**COMP 4951 (3CR)****SPECIAL TOPICS IN COMPUTER SCIENCE**

Format: Lecture/Discussion 3 Hours

This course enables students to pursue their interests in areas not covered by other classes at the 4000 level. It usually involves independent study in a programme planned by the student and approved by the Department.

**DRAMA**

Students at Mount Allison with an interest in drama have several options open to them. In all cases, the programmes are designed to provide an education in drama rather than professional training for the theatre.

**Interdisciplinary B.A. Programmes**

**INTERDISCIPLINARY MINOR in Drama is 24 credits earned as follows:**

- 12 from Drama/English 1701; Drama 3001, 3051, 3061
- 12 from Classics 3201, 3211; Drama 4011, 4021; English 2211, 3211, 3311, 3431, 3551, 3561, 3611, 3621; French 3271, 3371, 3471, 3671, 3771; Spanish 3001, 3011

**INTERDISCIPLINARY MAJOR in Drama is 60 credits earned as follows:**

**Drama Core**

- 18 from Drama/English 1701; Drama 3001, 3051, 3061, 4011, 4021

**Dramatic Literature**

- 24 to 30 from Classics 3201, 3211; English 2211, 3211, 3311, 3431, 3551, 3561, 3611 or 3621; French 3271, 3371, 3471, 3671, 3771; Spanish 3001, 3011, 3321 and from the following when their topic is dramatic literature: English 4000 series; French 4811; German 3231, 3301, 3311, 4030, 4950/4951 and Spanish 4950/51
- 12 to 18 from Complementary courses to be chosen in consultation with the Drama Programme Advisor. The following are particularly recommended: Anthropology 3231; Canadian Studies 2011, 3311; 3 English credits at the 1000 level, English 3621, 3871, 3850, 3881; Fine Arts 1901, 1911, 1921, 1931, 2001, 2011; French 2201, 2601, 3151, 3161, 3801; German 2701; Music 1001, 1011, 1101, 1111, 2000, 2679-4679, 3303; Sociology 3451; Women's Studies 3001

Note: Students may allow up to 6 credits in English for: Drama 3051 "Acting and Directing", Drama 3061 "Principles of Methods of Interpretation", and Drama 3001 "Dramatic Theory".

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

**DRAMA COURSES**

With the exceptions below, all descriptions of Drama courses available are given in the appropriate course description section. The only interdisciplinary drama courses offered are described below.



DRAM/ENGL 1701 (3CR)  
INTRODUCTION TO DRAMA

Format: Lecture/Discussion 3 Hours

Prereq or Coreq: ENGL 1201 or enrollment in the Interdisciplinary Major or Minor in Drama; or permission of the Department

Note: This course is cross-listed as ENGL 1701 and may be taken as three credits in either discipline.

Exclusion: DRAM/ENGL 2021

This course introduces students to conventions, forms, and devices of drama as they emerge under, and respond to, specific theatrical and cultural conditions.

DRAM 3001 (3CR)  
DRAMATIC THEORY

Format: Lecture/Discussion 3 Hours

Prereq: DRAM/ENGL 2021; or permission of the instructor

Exclusion: DRAM 3000

This course studies ways in which theatre practitioners have understood their art and the ways in which it reflects their world. Among topics to be explored are theories of representation, performance theory, tragic theory, comic theory, Naturalism, Expressionism, and Political Theatre.

DRAM 3051 (3CR)  
ACTING AND DIRECTING

Format: Lecture/Discussion/Workshop 3 Hours

Prereq: DRAM/ENGL 2021; or permission of the instructor

Exclusion: DRAM 3050

This course exposes students to theory and practice of acting and directing, exploring the spatial and temporal means by which actors and directors interpret a script on the stage. The class will study the themes, structure, rhythms, subtext, and visual dimensions of three or four dramatic texts, culminating in the production of one of them. The course is offered once every second year, in an alternating rotation with 3061.

DRAM 3061 (3CR)  
PRINCIPLES AND METHODS OF PRODUCTION

Format: Lecture/Discussion/Workshop 3 Hours

Prereq: DRAM/ENGL 2021; or permission of the instructor

Exclusion: DRAM 3050

This course introduces students to the means by which dramatic texts are given life in time and space on the stage. Principles and methods of set design and construction, costuming, lighting and sound design, and stage and theatre management are all explored, with special attention to three or four dramatic texts, one of which will receive production. The course is offered once every second year, in an alternating rotation with Drama 3051.

DRAM 4011 (3CR)  
SPECIAL TOPICS IN THEATRICAL INTERPRETATION I

Format: Independent Projects

Prereq or Coreq: DRAM 3051, or 3061, or FREN 3151 and 3161; and permission of the Director of Drama

Individual projects in areas such as acting, directing, writing, and design are assigned to students by the Director of Drama. Practical results will be supported by written and/or visual materials as appropriate.

DRAM 4021 (3CR)  
SPECIAL TOPICS IN THEATRICAL INTERPRETATION II

Format: Independent Projects

Prereq or Coreq: DRAM 4011; and permission of the Director of Drama

Individual projects in areas such as acting, directing, writing and design



ECON 1001 (3CR)

PRINCIPLES OF MICROECONOMICS

Format: Lecture 3 Hours, Tutorial 1 Hour

Prereq: Students should normally have completed a university preparatory level course in Mathematics

Exclusion: ECON 1000

A general introduction to the study of Economics and the nature of economic problems. Of primary concern is the behaviour of consumers and firms in different markets, and the results of their actions as manifested in production, costs, and prices. Market efficiency and market failure are also examined.



### ECON 3611 (3CR)

#### INDUSTRIAL ORGANIZATION: THEORY

Format: Lecture 3 Hours

Prereq: ECON 2001 and ECON 2011; or permission of the Department

Exclusion: ECON 3611 (Industrial Organization and Policy in Canada)

An overview of central theories of industrial organization, examining market power, the theory of the firm, and strategic behaviour, within classic and dynamic oligopoly theoretical frameworks. The course makes explicit use of game theoretic techniques where appropriate. Topics may include: collusive and competitive behaviour, non-linear pricing, commitment and repeated games, and entry deterrence.

### ECON 3621 (3CR)

#### INDUSTRIAL ORGANIZATION: POLICY

Format: Lecture 3 Hours

Prereq: ECON 2001 and ECON 2011; or permission of the Department

The economics of vertical and horizontal restraints. The course provides an introduction to regulatory economics and Canadian and International competition policy. Topics may include policy issues concerning the control of mergers, monopoly, predatory pricing, collusion, resale price maintenance, exclusive dealing, tying, and other contractual agreements including restrictions on contracting agents.

### ECON 3711 (3CR)

#### LABOUR MANAGEMENT RELATIONS

Format: Lecture 3 Hours

Prereq: ECON 1000, (or 1001 and 1011); or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

An introduction to the history and institutions of the North American industrial relations system. Topics include: labour management techniques used by firms; unions and union strategies; government regulation of pay and working conditions; and the structure of collective bargaining.

### ECON 3721 (3CR)

#### LABOUR ECONOMICS

Format: Lecture 3 Hours

Prereq: ECON 2001 and 2011; or permission of the Department

An introduction to labour economics. Topics covered include: the demand and supply of labour, the Canadian labour market and income distribution, unemployment, poverty, and discrimination in Canada.

### ECON 3801 (3CR)

#### ENVIRONMENTAL ECONOMICS

Format: Lecture 3 Hours

Prereq: ECON 1000, (or 1001 and 1011); or permission of the Department

The application of economic analysis in the study of environmental problems. Students will examine when and why markets often fail to allocate sufficient resources to environmental conservation, and will critically assess different policy instruments available to correct for the fundamental "market failure". Using the analytical methods developed in this course, the following type of policies will be examined: measures to control air and water pollution, the disposal of hazardous wastes, the protection of endangered species, and the control of cross border pollution, including the Canadian "Green Plan".

### ECON 3821 (3CR)

#### NATURAL RESOURCE ECONOMICS

Format: Lecture 3 Hours

Prereq: ECON 2001 and 2011, MATH 1111; or permission of the Department

The application of economic analysis to questions of management, use, and/or conservation of natural resources. Students will be exposed to economic theories used in the study of renewable and non renewable resource industries. Particular attention will be given to resource industries important to the Atlantic Canadian economy (the fishery, forestry, agriculture, mining, and energy).

### ECON 3901 (3CR)

#### INTERNATIONAL TRADE

Format: Lecture 3 Hours

Prereq: ECON 1000, (or 1001 and 1011); or permission of the Department

Issues examined will include the pure economic theory of international trade and important institutions (the FTA, NAFTA, the EC, GATT, etc.), plus problems and policies associated with trade in goods and services. Students will examine issues such as free trade and protectionism and the gains and losses resulting from globalization.

### ECON 3921 (3CR)

#### INTERNATIONAL FINANCE

Format: Lecture 3 Hours

Prereq: ECON 1000, (or 1001 and 1011); or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

This course examines the financial side of international trade. The focus is on exchange rates, the balance of international payments, alternativeECON 37

**ECON 4501 (3CR)****PUBLIC FINANCE: TAXATION AND FISCAL FEDERALISM**

Format: Lecture 3 Hours

Prereq: ECON 2001 and 2011; or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

This course examines positive and normative approaches to taxation and fiscal federalism with special emphasis on issues in Canadian Public Finance.

**ECON 4511 (3CR)****PUBLIC FINANCE: EXPENDITURES AND DEBT MANAGEMENT**

Format: Lecture 3 Hours

Prereq: ECON 2001, 2011 and 2101; or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

This course examines positive and normative approaches to public expenditures and debt management with special emphasis on issues in Canadian Public Finance.

**ECON 4700 (6CR)****ECONOMETRICS**

Format: Lecture 3 Hours

Prereq: MATH 2221, ECON 2701 or MATH 3311 and 3321; or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

An introduction to the measurement of economic relationships.

**ECON 4801 (3CR)****ADVANCED ECONOMIC THEORY I**

Format: Lecture 3 Hours

Prereq: ECON 2001, 2011, 2101, 2111, MATH 1121; or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

The course is primarily concerned with developing tools and techniques for analyzing problems in microeconomics. These include modern theories of the consumer and of the firm, general equilibrium, and the welfare theorems. Honours students who wish to pursue graduate studies in economics are strongly advised to take this course.

**ECON 4811 (3CR)****ADVANCED ECONOMIC THEORY II**

Format: Lecture 3 Hours

Prereq: ECON 4801; or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

The course is primarily concerned with developing tools and techniques for analyzing dynamic macroeconomic problems. Topics include growth models, overlapping generation models, and real business cycle models. Honours students who wish to pursue graduate studies in economics are strongly advised to take this course.

**ECON 4821 (3CR)****UNCERTAINTY AND STRATEGY IN ECONOMICS**

Format: Lecture 3 Hours

Prereq: ECON 2001, 2011, 2101, 2111; or permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

The course examines the roles played by uncertainty and asymmetric information in the allocation of resources. The course also introduces the tools of the game theory, and demonstrates their use in analyzing strategic behaviour in economics. Honours students who wish to pursue graduate studies in economics are strongly advised to take this course.

**ECON 4950/4951 (6/3CR)****DIRECTED READINGS ON SPECIAL TOPICS**

Format: Independent Study

Prereq: Written permission of the Department

This course permits a senior student, under the direction of a faculty member, to pursue a programme of independent study in the form of directed readings or directed research on topics not usually covered in other course offerings or permits a more intensive study of topics covered in regular course offerings.

**ECON 4980/4981 (6/3CR)****SPECIAL TOPICS IN ECONOMICS**

Format: Independent Study

Prereq: Permission of the Department

A senior course which focuses on topic(s) not covered by current course offerings in Economics or topic(s) not covered in depth by the courses offered.

**ECON 4990 (6CR)****HONOURS THESIS**

Format: Independent Study/Thesis

Prereq: Written permission of the Department

Note: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.

A student fulfilling requirements for an Honours degree may elect to undertake a research and writing project of acceptable scope and quality under the supervision of faculty members in Economics. The student must submit a formal proposal to the Department prior to registration.

## ENGLISH LITERATURES

The majority of students take at least one English course during their undergraduate career. While the curriculum focuses on literary study, students are encouraged to develop an appreciation for the English language that will stand them in good stead in all other fields of academic and professional endeavour. English is, in fact, a central study. The language is every student's essential instrument of understanding and expression, and the subject-matter of the literature touches on every area of human knowledge and experience. More and more, under the increasing threat in our society to the Humanities and the values they embody, the vital importance of English must be stressed. With urgent reason, English has become "the central humanity."

### GENERAL DESCRIPTION OF THE ENGLISH PROGRAMME

The 1000 level series courses offer an introduction to a variety of approaches to the reading of and writing about literature, using texts from a range of genres and periods. At the 2000 level, students may choose from introduction to literary periods courses, Shakespeare course, and Canadian and American literature courses. These courses provide foundation for the 3000 level courses. At the 3000 level students are offered courses in traditional periods of English literature, various national literatures including Canadian and American, Postcolonial literature, dramatic literature, creative writing, film, genre and cultural studies.

Normally taken only in the fourth year when students are best equipped to benefit from them, the "Selected Topics" courses of the 4000 series provide an opportunity for students and faculty to develop their special interests. While various topics are offered from year to year at the 4000 level, students can pursue individual study and research under supervision (4951: Independent Study).

### Disciplinary B.A. Programmes

MINOR in English is 24 credits earned as follows:

- 3 from English 1201
- 3 from English 1501, 1701, 1801
- 6 to 9 from English at the 2000 level
- 9 to 12 from English at the 3/4000 level, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in English is 60 credits earned as follows:

- 3 from English 1201
- 3 from English 1501, 1701, 1801
- 6 to 12 from English at the 2000 level including 2201 and 2301
- 24 to 30 from English at the 3/4000 level (3 credits each chosen from at least five of the eleven subject areas listed below: at least 9 credits must be chosen from the 4 subject areas prior to 1800 - that is from the 18th Century, the 17th Century, the Renaissance, and the Medieval periods)
- 18 credits from complementary courses in Arts and Letters and Humanities, chosen in consultation with the Programme Advisor

## HONOURS PROGRAMME

Students with a strong interest in and aptitude for the subject may wish to seek an Honours Degree in English. The requirements are sixty-six English credits, as outlined below. Students must apply to the Honours Coordinator to do Honours in January of their junior year. In the senior year Honours candidates must take English 4990, the Honours Thesis, in which a grade of at least B must be achieved for Honours.

HONOURS in English is 66 credits earned as follows:

- 42 credits as in the first four lines of the Major, including English 2211
- 6 from English 4990
- 18 from English at the 3/4000 level, including 3 credits each from two additional subject areas (for a total in the Honours programme of seven subject areas), chosen in consultation with the Honours Coordinator

Students are encouraged to take more than the minimal number of English courses required; this will give them a wider coverage of the subject. ("Core" selections often include the Shakespeare courses and one course in Canadian literature)

1. The subject areas and corresponding courses are as follows:

Medieval:

3011, 3021, 3241 (if appropriate), 4221 (if appropriate)

Renaissance:

3211, 3231, 3241 (if appropriate), 3311, 4221 (if appropriate)

17th Century:

3351, 3361, 4221 (if appropriate)

18th Century:

3411, 3421, 3431, 4221 (if appropriate)

19th Century:

3451, 3461, 3481, 3491, 4231 (if appropriate)

Modern:

3511, 3521, 3551, 4231 (if appropriate)

Contemporary and Theoretical Studies:

3561, 3611, 3621, 3850, 3871, 3881, 3911, 3921, 3931, 4231 (if appropriate), 4901 (if appropriate), 4921, 4931, 4941

American:

3711, 3721, 3731, 4701, 4231 (if appropriate)

Canadian:

3801, 3811, 3821, 3831, 4801

Postcolonial:

3751, 3761, 3771, 3781, 4231 (if appropriate), 4801 (if appropriate), 4941 (if appropriate)

Literature by Women:

3651, 3661, 4921 (if appropriate)

Note: 4951 and 4990 fall outside the subject areas.

2. Each year the English Department prints, and publishes on the web, a Handbook which includes a detailed syllabus and the texts prescribed for each course offered in the English programme in the current year, together with information on classes and assignments. Since it is impossible to offer in any one year all the courses listed here at the 2000, 3000 and 4000 level, students must use the Department's Handbook as their guide for the coming year.

3. Students may allow up to 6 credits in English for: Drama 3051 "Acting and Directing," Drama 3061 "Principles of Methods of Interpretation," and Drama 3001 "Dramatic Theory."
4. The Major or Minor in Drama. See Drama Entry

## SPECIAL REGISTRATION PROVISIONS 1000 AND 2000 SERIES

English 1111 and 1121 are companion classes that will fulfill the Arts and Letters distribution requirement for the Bachelor of Arts and Bachelor of Science degrees. Students who wish to pursue courses in English at the 2000 level and above, are required to take English 1201.

## DEPARTMENTAL ADVICE

At registration, students should consult with Departmental Programme Advisors in the selection of courses.

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## ENGLISH COURSES

### ENGL 1111 (3CR)

#### LITERATURE, THE ARTS AND HUMANITIES

Format: Lecture/Discussion 3 Hours, Tutorials Time Arranged

English 1111 provides an introduction to the interrelationship between literature and social issues, focusing on the intersection of the discipline of English with other fields in the Arts and Humanities. The course will acquaint beginning students with many of the major forms of English literature as encountered through discussions related to subjects such as the fine arts, religion, philosophy, history, and other fields in the Arts and Humanities.

### ENGL 1121 (3CR)

#### LITERATURE, SCIENCE AND TECHNOLOGY

Format: hip between





ENGL 3361 (3CR)

LITERATURE AND THE ENGLISH REVOLUTION

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

Exclusion: ENGL 3350

A study of the poetry and prose which emerged from the political, religious, and social revolutions of the mid-seventeenth century, including the work of Marvell, Milton, and Bunyan.

ENGL 3411 (3CR)

RESTORATION AND AUGUSTAN LITERATURE

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

Exclusion: ENGL 3400

This course examines British writing of the Restoration and early Augustan periods (1660-1720). The variety of genres and authors to be studied includes early novels by Behn, Defoe, and Swift, formal verse satire by Rochester and Pope, verse epistles and lyrics by Philips and Finch, and diaries and memoirs by Pepys and Manley.

ENGL 3421 (3CR)

LITERATURE IN THE AGE OF ENLIGHTENMENT

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

Exclusion: ENGL 3400

This course examines British writing from the Age of Reason to the Age of Sensibility (1720-1780). The range of genres and authors to be studied includes satires by Pope and Johnson, novels by Haywood, Fielding,

**ENGL 3511 (3CR)**

**EARLY TWENTIETH-CENTURY BRITISH LITERATURE**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

Exclusion: ENGL 3511 (The Rise of Modernism)

This course examines British writing from the turn of the twentieth century to the end of the Second World War. Although this period saw the formation of literary modernism, many British authors continued to write in more conventional modes. Many writers sought to understand how Western culture and civilization could allow for the destruction caused by total war.

**ENGL 3521 (3CR)**

**LATER TWENTIETH-CENTURY BRITISH LITERATURE**

Format: Lecture/Discussion 3 Hours

Prereq: ENGL 3511; or permission of the Department

This course examines various British literary works written since the Second World War. While some writers continued to experiment with style and form, other post-war British writers retreated from the experimentalism of the major modernists.

**ENGL 3551 (3CR)**

**THE DEVELOPMENT OF MODERN DRAMA**

Format: Lecture/Discussion 3 Hours

Prereq: Either English/Drama 2021 and 3 more English credits at the 2000 level or permission of the Department or English/ DRAM 2021 and third-year standing in the Interdisciplinary Drama Programme

Exclusion: ENGL 3500

A study of representative modern plays including works by Pirandello, Brecht, and Beckett chosen to illustrate the major developments in dramatic literature and production in the twentieth century.

**ENGL 3561 (3CR)**

**CONTEMPORARY DRAMA**

Format: Lecture/Discussion 3 Hours

Prereq: Either English/Drama 2021 and 3 more English credits at the 2000 level; or permission of the Department or English/ DRAM 2021 and third-year standing in the Interdisciplinary Drama Programme

Exclusion: ENGL 3500

A study of selected contemporary plays and playwrights.

**ENGL 3611 (3CR)**

**DRAMA, THEATRE, AND SOCIETY**

Format: Lecture/Discussion 3 Hours

Prereq: Either English/Drama 2021 and 3 more English credits at the 2000 level; or permission of the Department or English/ DRAM 2021 and third-year standing in the Interdisciplinary Drama Programme

This course examines ways in which drama may both reflect and influence society, using as examples the complex relationship between Restoration comedy and its society, efforts at social engineering in Eighteenth-Century bourgeois tragedy, the role of melodrama in reflecting nineteenth century society and culture, and the "birth" of social drama late in the nineteenth century. In addition, it carries these ideas forward to include study of political theatre of the 1920's and 1930's, as well as works by contemporary social playwrights.

**ENGL 3621 (3CR)**

**READING FILMS**

Format: Lecture/Discussion 3 Hours, Laboratory 2 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

This course focuses on affinities between printed and cinematic narrative forms, introducing students as well to some of the principles of semiotics, and to the place of film theory within the context of cultural studies more generally.

**ENGL 3651 (3CR)**

**LITERATURE BY WOMEN TO THE TWENTIETH CENTURY**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

Exclusion: ENGL 3650

A study of literature by women before the twentieth century. This course employs a variety of critical approaches to define a tradition of writing by women. Works by such writers as Mary Godwin Shelley, Charlotte Brontë, Christina Rossetti, and Elizabeth Barrett Browning will be examined.

**ENGL 3661 (3CR)**

**LITERATURE BY WOMEN IN THE TWENTIETH CENTURY**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level or permission of the Department

Exclusion: ENGL 3650

A study of literature by women in the twentieth century. The course attempts to identify the major developments in the literature, using contemporary critical approaches. Works by such writers as Virginia Woolf, Jean Rhys and Margaret Atwood will be examined.

**ENGL 3711 (3CR)**

**AMERICAN LITERATURE FROM THE COLONIAL PERIOD TO THE CIVIL WAR**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

Exclusion: ENGL 3711 (Early American Literature)

ENGL 3731 (3CR)

AFRICAN AMERICAN LITERATURE

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

This course offers a survey of African American writing from the eighteenth century to the present. In addition to "literary" texts, the

**ENGL 3871 (3CR)****CONTEMPORARY LITERARY THEORY I**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level and minimum third-year standing; or permission of the Department

Exclusion: ENGL 3880

This course offers an introduction to various contemporary theories of literature; diverse approaches, such as structuralist, semiotic, post-structuralist and "deconstructive" will be examined.

**ENGL 3881 (3CR)****CONTEMPORARY LITERARY THEORY II**

Format: Lecture/Discussion 3 Hours

Prereq: ENGL 3871; or permission of the Department

Exclusion: ENGL 3880

This course will draw upon the literary theories introduced in English 3871 while introducing further theoretical approaches such as psychoanalytic, feminist, and Marxist theories.

**ENGL 3911 (3CR)****STUDIES IN LITERARY GENRE**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

This course will address one or more popular genres of literature, paying attention to the emergence and rise of the genre(s) and to the narrative conventions of the genre(s). Generic literatures examined could include, but need not be limited to, autobiography, mystery, romance, speculative fiction, utopia or dystopia, etc.

**ENGL 3921 (3CR)****CULTURAL STUDIES**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

This course offers an introduction to the broad field of contemporary cultural studies, paying particular attention to current theoretical models of 'reading' the texts of popular culture. Diverse forms of texts will be examined.

**ENGL 3931 (3CR)****ASPECTS OF POSTMODERNISM**

Format: Lecture/Discussion 3 Hours

Prereq: 6 credits of English at the 2000 level; or permission of the Department

This course will examine various aspects of the postmodern aesthetic by exploring post-modern writing, such as that by Barth, Eco, Carter, Calvino, or Acker, within the context of recent theories of postmodernism; the course will explore implications of postmodernism as both a cultural and an aesthetic phenomenon.

**4000 SERIES**

These courses are designed to give opportunity for special study of a chosen topic within a specific area. They may be devoted to a major author, a group of authors, or thematic or stylistic developments. The topic selected by the Department will be announced in the Spring preceding the year in which it is to be offered.

Note: All 4000 level courses may be taken only by permission of the instructor.

**ENGL 4221 (3CR)****SELECTED TOPICS IN PRE-1800 LITERATURE**

Format: Seminar 3 Hours

**ENGL 4231 (3CR)****SELECTED TOPICS IN POST-1800 LITERATURE**

Format: Seminar 3 Hours

**ENGL 4701 (3CR)****SELECTED TOPICS IN AMERICAN LITERATURE**

Format: Seminar 3 Hours

**ENGL 4801 (3CR)****SELECTED TOPICS IN CANADIAN LITERATURE**

Format: Seminar 3 Hours

**ENGL 4901 (3CR)****SPECIAL TOPICS**

Format: Seminar 3 Hours

A seminar course devoted to topics either too broad in scope to be offered in the area-defined selected topics courses or in a special subject not covered by the courses offered.

**ENGL 4921 (3CR)****SELECTED TOPICS IN SEX, GENDER AND LITERATURE**

Format: Seminar 3 Hours

**ENGL 4931 (3CR)****SELECTED TOPICS IN TEXT AND TECHNOLOGY**

Format: Seminar 3 Hours

**ENGL 4941 (3CR)****SELECTED TOPICS IN LITERARY REPRESENTATIONS OF RACE, CULTURE AND NATION**

Format: Seminar 3 Hours

**ENGL 4951 (3CR)****INDEPENDENT STUDY**

Format: Independent Study

Supervised by Members of the Department, this course offers independent research and study in which students pursue a planned programme of their choice approved by the Department and supervised by a member of the department. To be accepted for the Independent Study, students must have achieved an overall English average of B.

**ENGL 4990 (6CR)****HONOURS THESIS**

Format: Independent Study/Thesis

Supervised by members of the Department, candidates for an Honours degree must complete an Honours thesis of acceptable scope and quality. The subject of the Honours thesis is to be approved by the Department at the end of the student's junior year. The candidate is to be directly responsible to a supervisor and a department committee.

## ENVIRONMENTAL SCIENCE

### Interdisciplinary B.Sc. Programme

MAJOR in Environmental Science is 84 credits earned as follows:

#### Core Program

- 24 from Biology 1001, 1501, Chemistry 1001, 1021, Geography 1401, 2101, Mathematics 1111, Physics 1051
- 3 from Mathematics 1121\*, 1131
- 3 from Physics 1551, 3521\*\*
- 3 Biology 2101
- 3 from Chemistry 2101, 2111
- 3 Biology 3701, Geography 2711, Mathematics 2311\*
- 9 from Economics 1000, (or 1001 and 1011), 3801
- 3 from Geography 2421
- 3 from Philosophy 1651, 2701
- 3 from Philosophy 3511, 3721
- 3 from Environmental Science 4901

Note: \* Students in the Physical Sciences Stream or Chemical Sciences Stream should select Physics 1551, Mathematics 1121 and Mathematics 2311 as part of the core.

Note: \*\* Physics 3521 may not be counted for credit in both the Core Programme and the Physical Sciences Stream.

#### Natural Sciences Stream

- 3 from Biology 2301, 2401
- 12 from Biology 3331, 3341, 3351, 3361, 3371, 3551, 3711, 3811, 4111, 4701 or other Group 1 or Group 3 Biology courses with permission of the Department
- 9 from Geography 2411, 3101, 3411, 3421, 3711

#### Physical Sciences Stream

- 12 from Computer Science 1711, Mathematics 2111, 3531, Physics 2801
- 12 from Mathematics 2121, Physics 3321, 3361, 3521\*, 3601, 3701, 3751  
or, with permission of the Head of the appropriate Department, other third or fourth year Physics or Mathematics courses with significant environmental relevance

Note: \* Physics 3521 may not count for credit in both the Core programme and the Physical Sciences stream.

#### Chemical Sciences Stream

- 6 from Chemistry 2211, 2311
- 9 from Chemistry 3411, 3421, 4521
- 9 from any other Chemistry at the 3/4000 level

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of

the appropriate Department or Programme Coordinator must be obtained.

## ENVIRONMENTAL SCIENCE COURSES

### ENVS 4901 (3CR)

#### ENVIRONMENTAL ISSUES

Format: Lecture/Seminar/Discussion 3 Hours

Prereq: This course is restricted to Majors in their final year of Environmental Science.

This course will examine current issues in environmental science.

Students will be required to prepare case studies of specific problem areas in environmental science and present these in a seminar format.

# ENVIRONMENTAL STUDIES

## Interdisciplinary B.A. Programme

MINOR in Environmental Studies is 24 credits earned as follows:

- 3 from Environmental Studies 1001
- 9 from Economics 1001 and 1011 (or 1000), 3801
- 3 from Biology 1211, Geography 1401
- 9 from Economics 3821, Environmental Studies 4000, 4951, Geography 2101, 3101, 3201, 3531, 4101, Philosophy 1651, 3721, Religious Studies 3981\*, Anthropology 2501, Anthropology 3541 or 4531, 4521, Sociology 3611

Note: At least 6 of the 9 credits must be from courses at the 3/4000 level.

MAJOR in Environmental Studies is 72 credits earned as follows:

- 21 from Biology 1001, Chemistry 1001 or Physics 1051 or Physics 2401, Economics 1000 (or 1001 and 1011), Environmental Studies 1001, Geography 1401, Sociology 1001 or Anthropology 1011
- 24 from Economics 3801, Geography 2101, 2221, 3101, Geography 3201 or Political Science 2101, Geography 4101, Philosophy 1651 or 2701 or 3511, Philosophy 3721, Religious Studies 3981, Sociology 1001 or Anthropology 1011, 2501 Note: At least 12 of the 24 credits must be from courses at the 3/4000 level.
- 3 from Geography 2711 or Mathematics 2311
- 6 from Environmental Studies 4000
- 6 from Biology 1211, 1501, 2101, 3501\*, 3911, Chemistry 1501, 2511\*, Geography 2411, 2421, 3411, 3421, Physics 3751\*
- 12 from Commerce 1001, 3371\*, Economics 2001, 3601, 3821, Environmental Studies 4951, Geography 1201, 3531, 3711, 4521, History 1621, Philosophy 1651, 3511, Anthropology 2521, 3031, 3621, 4521, Anthropology 3541 or 4531, Sociology 3601, 3611  
Note: At least 6 of the 12 credits must be from courses at the 3/4000 level.

Note: \* indicates courses which have prerequisites that are not listed in the requirements for the Environmental Studies Major.

Note: The listing of a course in the calendar is not a guarantee that

the course is offered every year31 Tm(Note:)Tj/F7 9.5 Tf(-0.504 sm3wi0se is off0.16not l1 56 obta1 TmradeTj/Fciology C-f1 allTj/F1 9.us courses whic





**FINA 1931 (3CR)**  
**INTRODUCTION TO MEDIA II**

Format: Studio

This course is designed to introduce the studio areas of painting and sculpture. It is required of all B.F.A. students.

**FINA 2101 (3CR)**  
**DRAWING I**

Format: Studio

Prereq: FINA 1101 and 1111; or permission of the Department

This course emphasizes drawing from the figure and also includes various other projects related to drawing. It is required of all B.F.A. students.

**FINA 2111 (3CR)**  
**DRAWING II**

Format: Studio

Prereq: FINA 2101; or permission of the Department

This course is a continuation of Drawing I. It is required of all B.F.A. students.

**FINA 2201 (3CR)**  
**PRINTMAKING I**

Format: Studio

Prereq: FINA 1921; or permission of the Department

This course introduces intaglio and relief printmaking techniques.

**FINA 2211 (3CR)**  
**PRINTMAKING II**

Format: Studio

Prereq: FINA 1921; or permission of the Department

This course introduces lithography printmaking techniques.

**FINA 2301 (3CR)**  
**PAINTING I**

Format: Studio

Prereq: FINA 1931; or permission of the Department

This course uses traditional media to focus on the fundamentals of basic painting. Colour and techniques will be explored. It emphasizes observational painting, from various subjects including the figure.

**FINA 2311 (3CR)**  
**PAINTING II**

Format: Studio

Prereq: FINA 2301; or permission of the Department

This is an exploration of painting materials and means, pictorial elements, and issues fundamental to expressive painting. Both traditional and contemporary painting will be considered.

**FINA 2401 (3CR)**  
**SCULPTURE I**

Format: Studio

Prereq: FINA 1931; or permission of the Department

This course addresses the human figure through a variety of media, including wire, wood, mesh, scavenged or natural materials and clay.

**FINA 2411 (3CR)**  
**SCULPTURE II**

Format: Studio

Prereq: FINA 2401; or permission of the Department

This course is a continuation of FINA 2401 and as such emphasizes the human figure and its senses, as well as more formal geometric structure in an experimental approach to sculpture. This course investigates how the shape and form of a structure is imposed by the materials used.

**FINA 2501 (3CR)**  
**PHOTOGRAPHY I**

Format: Studio

Prereq: FINA 1921; or permission of the Department

Fine Arts 2501 is intended to give the fine arts photography student a firm background both aesthetically and technically in the uses of photography as a fine art medium. The following will be covered: conceptualization of the image/technical review, exposing film for optimum results (slide & B&W), processing and proofing, storage and



**FINA 4801/4811/4821/4831 (3CR)****ADVANCED STUDIO I TO IV**

Format: Studio

Students will take all of these tutorial courses in their final year. Courses are arranged with one or more faculty members on an individual basis. Students in fourth year must have more than one tutor. The courses are designed to meet students needs and may be in a single medium or in various media.

**ART HISTORY COURSES**

Fine Arts 2001 and 2011 are given every year; six or more additional courses are offered each year from Fine Arts 3021, 3031, 3141, 3241, 3051, 3061, 3071, 4041, 4051, 4091, or Classics 3601, 3611, 3701, 3711.

**FINA 2001 (3CR)****WORLD ART FROM THE FIRST PEOPLES TO THE END OF THE MIDDLE AGES**

Format: Lecture/Discussion 3 Hours

This course surveys art and architecture from the Americas, Africa, Asia, and Europe within their historical and cultural context. The course will emphasize how works of art are produced in a variety of media. This introductory course is designed for students with no previous background in the history of art and architecture.

**FINA 2011 (3CR)****WORLD ART FROM THE RENAISSANCE TO THE PRESENT**

Format: Lecture/Discussion 3 Hours

This course surveys art and architecture from the Americas, Africa, Asia, and Europe within their historical and cultural context. The course will emphasize how works of art are produced in a variety of media.

**FINA 3021 (3CR)****CANADIAN ART FROM ITS BEGINNINGS TO THE 1960S**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011; or permission of the Department  
A survey of the history of Canadian art from its beginnings in the 17th century to the 1960's. The emphasis will be on painting, including the Canadian landscape and the Group of Seven; the Atlantic Realist School; modernism in Canadian art; and the development of abstraction in Ontario, Quebec and the West.

**FINA 3031 (3CR)****CANADIAN ART FROM THE 1960S TO THE PRESENT**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011; or permission of the Department  
An examination of Canadian art from the late 1960's to contemporary practice, including painting, sculpture, mixed media, installation, video and performance. The course will take advantage of the Visiting Artist's Programme and local exhibitions of contemporary art.

**FINA 3141 (3CR)****NINETEENTH CENTURY ART, PART ONE**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011; or permission of the Department  
This course examines art and architecture during the first half of the nineteenth century in the United States and Western Europe (particularly Belgium, England, France, Germany and Spain). This course includes art in a variety of media and will pay particular attention to the inventions of lithography and photography during this time. Artistic movements such as Neo-Classicism, Romanticism and Realism will be considered in this course along with artists who worked independently from these movements.

**FINA 3241 (3CR)****NINETEENTH CENTURY ART, PART TWO**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011; or permission of the Department  
This course examines art and architecture during the second half of the nineteenth century in the United States and Western Europe (particularly Belgium, England, France, Germany and Spain). This course includes art in a variety of media and will pay particular attention to innovations in the production of photographs, etchings, and posters during this time. Artistic movements such as Realism, Impressionism, Post-Impression and Art Nouveau will be considered in this course.

**FINA 3051 (3CR)****TWENTIETH CENTURY ART TO 1940**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011; or permission of the Department  
This course examines art and architecture in Europe and North America from 1900 to 1940. It covers schools and movements including the Secession, Expressionism, The Fauves, Cubism, Futurism, Constructivism, Abstraction, Dada, Surrealism, and Social Realism, as well as artists working independently of any formal group. The architectural movements covered include Art Nouveau, Bauhaus, De Stijl, Prairie style, and International style. Issues addressed in this course include gender, psychoanalysis, "primitivism," and the politics of colonialism and international warfare.

**FINA 3061 (3CR)****MODERN ART FROM 1940 TO 1970**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011; or permission of the Department  
This course examines art and architecture in Europe and the United States from 1940 to 1970. It considers schools and movements including Abstract Expressionism, CoBrA, Pop Art, Junk Art, Minimalism, Kinetic Art, Op Art, Land Art, Process Art, Conceptual Art, Arte Povera and Performance Art, as well as artists and architects working independently of any formal group. Issues addressed in this course include notions of modernism and the avant-garde, gender, international warfare, post-World War II consumerism, internationalism, and the role of art critics in shaping a "canon" for twentieth-century art.

**FINA 3071 (3CR)****CONTEMPORARY ART SINCE 1970**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011; or permission of the Department

This course examines contemporary art and architecture since 1970 and focuses on themes including the body and identity. Topics include naturally, and culturally, constructed bodies, gender identity, sexual identities, ethnic bodies, abject bodies, and political and religious identities. This course will include art in a variety of media including the bodies of humans and animals, painting, sculpture, assemblage, installation, photography, printmaking, architecture, textiles, film, video, and performance art.

**FINA 4041 (3CR)****PRINCIPLES OF ART CRITICISM I**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011 plus two further semester courses in Art History at the 3/4000 level; or permission of the Department

A survey of art criticism from ancient times to 1945, with emphasis on the writings of critics, artists and philosophers.

**FINA 4051 (3CR)****PRINCIPLES OF ART CRITICISM II**

Format: Lecture/Discussion 3 Hours

Prereq: FINA 2001 and 2011 plus two further semester courses in Art History at the 3/4000 level; or permission of the Department

A survey of art criticism from 1945 to the present, with emphasis on the writings of critics, artists and philosophers.

**FINA 4091 (3CR)****ADVANCED SEMINAR IN ART HISTORY**

Format: Seminar 3 Hours

Prereq: FINA 2001 and 2011 plus two further semester courses in Art History at the 3/4000 level; or permission of the Department

This course is a research seminar on key issues in nineteenth and twentieth century art, with topics to vary from term to term. Emphasis will be placed on contemporary, theoretical, methodological and critical approaches to the art of the recent past.

**FINA 4950/4951 (6/3CR)****SPECIAL TOPICS IN ART**

Format: Independent Study

Note: The following courses within the Classics Department also continue to count as Art History offerings:

Directed reading and study of a well-defined subject in art which would result in a major research paper or major written paper. Study will be carried out on a tutorial basis. The course will be adjudicated by a committee consisting of the tutor and one other faculty member either from within or outside the Fine Arts Department.

**CLAS 3601 (3CR)****THE BIRTH OF GREEK ART**

Format: Lecture 3 Hours

**CLAS 3611 (3CR)****THE SPLENDOURS OF CLASSICAL AND HELLENISTIC GREEK ART**

Format: Lecture 3 Hours

**CLAS 3701 (3CR)****ETRUSCAN AND EARLY ROMAN ART AND ARCHAEOLOGY**

Format: Lecture 3 Hours

**CLAS 3711 (3CR)****THE ART OF IMPERIAL ROME AND ITS EMPIRE**

Format: Lecture 3 Hours

**FRENCH STUDIES**

See Modern Languages and Literatures

## GEOGRAPHY

The Department of Geography offers courses in both Human and Physical Geography which contribute to the fulfilment of Honours, a Major and a Minor in Geography. These offerings also provide many courses that are integral to the Environmental Studies and Sciences programmes at Mount Allison.

Geography is about the study of 'place' at various spatial and temporal scales. An understanding of 'place' involves questions about the physical and environmental, social, cultural, economic, and political processes that have acted together to shape the complex 'place' structures that exist on our landscape. Geographers are particularly concerned with the linkages that bind 'places' together. These questions can be investigated at a variety of scales: local, regional national, and global, and they can be assessed from both contemporary and historical perspectives.

Through a system of intensive semester length courses, the Geography programme at Mount Allison aims to expose students to the approaches and substance of the academic discipline of Geography. Teaching approaches integrate lab work, field study, library and archival searching, as well as the employment of computer technologies as research tools. The Department of Geography is part of the Faculty of Social Sciences and its programmes connect very well with the disciplines in this group (Anthropology, Economics, Political Science, Sociology and Commerce). There are also strong links to disciplines in other Faculties including Biology, History, and Religious Studies, as well as to the interdisciplinary programmes in Environmental Studies and Sciences. In addition, students interested in Area Studies (e.g. American Studies, Canadian Studies, Hispanic Studies, French Studies, Japanese Studies, International Relations, etc.) will find it useful to explore Geography as a foundation for understanding these 'places'.

### Disciplinary B.A. Programmes

**MINOR in Geography is 24 credits earned as follows:**

- 6 from Geography 1201, 1401\*
- 12 from Geography 2101, 2201, 2221, 2311, 2711, 2411, 2421
- 6 from Geography at the 3/4000 level, chosen in consultation with the Programme Advisor

Note: \* Students who have completed any one of the Geoscience courses may use this credit in place of Geography 1401.

**MAJOR AREA OF STUDY in Geography is 60 credits earned as follows:**

- 9 from Geography 1401\*, 2411, 2421
- 9 from Geography 1201, 2101, 2201, 2221, 2311
- 9 from Geography 2711, 3401 or 3701, 3711
- 18 from Geography at the 3/4000 level, including 6 credits from the 4000 level
- 15 credits from complementary courses in the Social Sciences, History, Environmental Sciences, Women's Studies, Canadian Studies, or Biology, chosen in consultation with the Programme Advisor

Note: \* Students who have completed any one of the Geoscience courses may use this credit in place of Geography 1401.

**HONOURS in Geography is 72 credits earned as follows:**

- 60 credits as in the Major, plus:
- 6 from Geography 4990
- 6 from Geography at the 3/4000 level, including 3 from the 4000 level, chosen in consultation with the Programme Advisor

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## GEOGRAPHY COURSES

### GEOG 1201 (3CR)

#### INTRODUCTION TO HUMAN GEOGRAPHY

Format: Lecture 3 Hours, Laboratory 1.5 Hours

Prereq: None

This lecture and laboratory course is an introduction to the general principles of analysis in human geography at a variety of spatial scales. City, regional and global environments are considered.

### GEOG 1401 (3CR)

#### INTRODUCTION TO PHYSICAL GEOGRAPHY

Format: Lecture 3 Hours, Laboratory 1.5 Hours

This lecture and laboratory course provides an introduction to the general principles of Physical Geography. Emphasis is placed on exploring the various sub-disciplines of Physical Geography at a variety of spatial and temporal scales. This course will introduce the four fundamental spheres of Physical Geography: the hydrosphere, lithosphere, atmosphere and biosphere. Basic processes in the physical environment such as the seasons, layers of the atmosphere, the earth's energy budget and interactions with atmospheric processes will be introduced. Weather and its interplay within the hydrological cycle, as well as the fundamentals of climatology will be investigated. Examination of the three basic rock types, tectonic activity and weathering of the earth's surface through fluvial and aeolian processes, as well as glacier erosion, and coastal processes will be initiated.

### GEOG 2101 (3CR)

#### NATURAL RESOURCES MANAGEMENT

Format: Lecture/Discussion 3 Hours

Prereq: None

This course introduces key concepts and issues in natural resources management. Resource sectors of importance to the Canadian economy will be examined, including forestry, fisheries, wildlife, energy, mining, water, and agriculture. Particular emphasis will be placed on understanding the varied influences that environmental, socio-economic, and political factors have on patterns of resource utilization and resource management decision-making.

**GEOG 2201 (3CR)**  
**GEOGRAPHY OF ECONOMIC ACTIVITY**

Format: Lecture/Discussion 3 Hours

Prereq: None

This course examines the changing spatial organization of the world industrial map since 1945 by comparing British and North American de-industrialization with the rapid growth of some sectors of newly industrialized countries. The effects of new production technology, changes in industrial organization and transnational corporations and new regional trading blocs on those changing patterns are discussed.

**GEOG 2221 (3CR)**  
**THE DEVELOPING WORLD**

Format: Lecture/Discussion 3 Hours

Prereq: None

This course surveys the changing geography of the developing world. It examines the decline in traditional land systems and resource use, surveys current economic development strategies, and reviews the role of international aid and non-governmental organizations in these strategies.

**GEOG 2311 (3CR)**  
**INTRODUCTION TO CULTURAL GEOGRAPHY**

Format: Lecture/Discussion 3 Hours

Prereq: None

This survey of the main themes and approaches of cultural geographers evaluates concepts such as cultural area, ecology and landscape in the context of North American and European settlement patterns.

**GEOG 2411 (3CR)**  
**GEOMORPHOLOGY**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: GEOG 1401; or permission of the Department

Exclusion: GEOS 2401

Note: Students who have taken any Mount Allison Geoscience course at the 1000 or 2000 level will be permitted to take this course.

Geomorphology is the science that explores the processes that shape the Earth's surface. The introductory part of the course deals with the large-scale relief features of the earth (e.g. mountains) and how they are shaped by the processes of weathering, erosion, and sedimentary deposition. The latter part of the course introduces landforms/landscapes that exist in glacial, fluvial, coastal, and desert environments and explores the geomorphic agents (e.g. running water) which control the formation and evolution of these landforms/landscapes.

**GEOG 2421 (3CR)**  
**WEATHER AND CLIMATE**

Format: Lecture 3 Hours, Laboratory 3 Hours

Prereq: GEOG 1401; or permission of the Department

Note: Students who have taken any Mount Allison Geoscience course at the 1000 or 2000 level will be permitted to take this course.

This course highlights elements of weather and climate including the composition and thermal structure of the atmosphere, radiation and energy balances, global circulation, air masses, fronts and atmospheric disturbances, and climates of the world. Special emphasis is placed on recent climatic changes in the environment.

**GEOG 2711 (3CR)**  
**DATA ANALYSIS FOR GEOGRAPHERS**

Format: Lecture/Laboratory 3 Hours

Prereq:

**GEOG 3321 (3CR)**  
**GEOGRAPHY OF JAPAN**

Format: Lecture/Discussion 3 Hours

Prereq: Third-year standing, and at least one of GEOG 1201, 2311, HIST 1611; or permission of the Department

This course examines Japan's geography since 1860, emphasizing the importance of international trade and new technologies and their roles in forming new geographic relationships for Japan with other parts of East Asia and with the West.

**GEOG 3401 (3CR)**  
**RESEARCH METHODS IN PHYSICAL GEOGRAPHY**

Format: Lecture/Discussion 3 Hours, Multi-Day Field Camp

Prereq: GEOG 2711 and third-year standing; permission of the Department

Exclusion: GEOG 3701

This is one of three 'techniques' courses for Geography students. This

GEOG 4301 (3CR)

SEMINAR IN AREA STUDIES

Format: Lecture/Discussion 3 Hours

Prereq: Any two of GEOG 2201, 2311, 3201, 3211 or 3301; or  
permission of the Department



## GERMAN STUDIES

See Modern Languages and Literatures

## GREEK

See Classical Studies

## HISPANIC STUDIES

See Modern Languages and Literatures

## HISTORY

As both a literary art and social science, History is an ideal instrument of liberal education. Defined as "the rational study of the significant past", it develops analytical and communication skills, fosters knowledge and understanding of the institutions, ideas, groups and individuals which have shaped our political, social and cultural world and contributes to reflective, articulate citizenship in a free, tolerant and humane society. History is also an excellent preparation for a large number of career choices as well as a pleasurable intellectual pursuit that will last a lifetime.

Without attempting to study all the people and places of the significant past, the Mount Allison History Department offers a rich variety of both subject matter and interpretive approach through individualized programmes designed to achieve both coherence and depth. Courses are regularly available at all levels in most major periods of Canadian, American and European history and are complemented when staffing permits by introductions to China and Japan. Together, they reflect a wide range of faculty interest - from politics, constitutional development and relations between nations to social, cultural and intellectual movements.

### BASIC COURSES

The Humanities 1600 series is intended to provide an introduction to Humanities disciplines. These three-credit courses offered by the participating disciplines of Classics, History, Philosophy and Religious Studies are designed to acquaint beginning students with the methodologies typical of these disciplines and to familiarize them with the approaches taken, as well as the sorts of themes pursued and questions raised in these disciplines.

Students will normally take courses in sequential order from first through fourth years. Further information about specific courses, faculty members and special programs is available in the Department of History Handbook. Students should also be familiar with the university requirements for the B.A. degree, outlined in section 7.2 of the academic calendar.

### Disciplinary B.A. Programmes

MINOR in History is 24 credits earned as follows:

- 6 from the Humanities 1600 Series
- 18 from History above the 1600 level, including 6 from the 3/4000 level, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in History is 60 credits earned as follows:

- 6 from the Humanities 1600 Series
- 12 6 credits each chosen from two of the following subject areas:
  1. European History 2000 or 2010
  2. North American History 2410 or 2510
  3. Asia Pacific History 2700
- 24 additional credits in History at the 2/3/4000 level
- 18 credits from complementary courses in other departments, chosen in consultation with the Programme Advisor

HONOURS in History is 66 credits earned as follows:

- 42 credits from the first three lines of the major, plus:
- 6 from History 4990
- 18 from History at the 4000 level, chosen in consultation with the Programme Advisor

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## HISTORY COURSES

HIST 1601 (3CR)

NEW NATIONS IN NORTH AMERICA

Format: Lecture 3 Hours

This course will examine the transfer of European ideas, institutions, political and economic structures to North America, and consider the reshaping of these by the North American experience. Particular emphasis will be placed on the transition from the colonial experience to the realization of new states.

HIST 1611 (3CR)

THE EXPANSION OF EUROPE ABROAD

Format: Lecture 3 Hours

This course will focus on the expansion of Europe after the 15th century and the impact of that expansion on both Native peoples and on European civilization. Themes to be considered are the creation of a world economy, racial relations, the rise and fall of European power, the impact of technology, the growth of indigenous nationalism, and the legacy of European expansion.

HIST/CLAS 1631 (3CR)

GREECE AND ROME: THE FOUNDATIONS OF WESTERN CIVILIZATION

Format: Lecture 3 Hours

**Note:** This course is cross-listed as CLAS 1631 and may therefore count as 3 credits in the 5241.001.159ne.

The political and social history of ancient Greece and Rome will be surveyed with a focus on the themes of Environment, Politics, War, Art and Architecture, and Society. Special attention will be paid to Athens in the fifth and fourth centuries B.C.E. and to Rome under Caesar Augustus.

HIST 1651 (3CR)

NATIVE AMERICAN VOICES

Format: Lecture 3 Hours

This course will focus on the experience of Native Americans as they come to terms with living in the post-Colombian world. Emphasis will be given to Native American voices as preserved in primary materials.

HIST 2000 (6CR)

EARLY WESTERN CIVILIZATION, circa 300 to circa 1650

Format: Lecture 3 Hours

Exclusion: HIST 2000 (The Evolution of Western Civilization to 1700)

This course surveys the history of western civilization from late antiquity

HIST/GERM 2351 (3CR)

GERMAN CULTURE AND SOCIETY FROM 1870 TO THE  
PRESENT

Format: Lecture 3 Hours

Note: This course is cross-listed as GERM 2351 and may therefore  
count as three credits in either discipline.

Exclusion: HIST/GERM 2601

Starting with the founding of the German Empire during the  
Franco-Prussian War, this course will trace the political, economic,  
social, cultural and scientific developments in German-speaking

HIST 3131 (3CR)

REFORMATION EUROPE

Format: Lecture 3 Hours

Prereq: Second-year standing and at least 6 credits from History at the 1000 or 2000 level; or permission of the Department

Exclusion: HIST 3131 (Reformation, Revolution and Absolutism)

This course surveys the history of Europe during the religious upheavals

HIST 3251 (3CR)

HIST 3431 (3CR)

QUEBEC FROM CONFEDERATION TO SEPARATISM

Format: Lecture 3 Hours

Prereq: Second-year standing and at least six credits in History at the 1000 or 2000 level; or permission of the Department

This course examines the political, religious, economic and cultural development of Quebec since Confederation with particular emphasis on the growth of nationalism and the emergence of separatism.

HIST 3441 (3CR)

MODERN CANADA

Format: Lecture 3 Hours

Prereq: Second-year standing and at least six credits in History at the 1000 or 2000 level; or permission of the Department

This course traces the development of those institutions, movements and ideas which are an integral part of the texture of modern Canada, and which have been shaping influences on the direction and pace of

**HIST/RELG 3621 (3CR)**  
**CHRISTIANITY IN CHRISTENDOM**

Format: Lecture 3 Hours

Prereq: RELG 3601 or 3611 or third or fourth year History Major; or permission of the Department

Note: This course is cross-listed as RELG 3621 and may therefore count as three credits in either discipline.

Exclusion: HIST/RELG 3620

A consideration of Christianity at the height of its political power in the middle ages.

**HIST/RELG 3631 (3CR)**  
**CHRISTIANITY IN THE REFORMATION ERA**

Format: Lecture 3 Hours

Prereq: RELG 3601 or 3611 or 3621 or third or fourth year History Major; or permission of the Department

Note: This course is cross-listed as RELG 3631 and may therefore count as three credits in either discipline.

A consideration of the reasons for and impact of the divisions in Christianity instituted by the Protestant Reformation.

**HIST/RELG 3641 (3CR)**  
**CHRISTIANITY AND MODERN STATES**

Format: Lecture 3 Hours

Prereq: RELG 3601 or 3611 or 3621 or third or fourth year History Major; or permission of the Department

Note: This course is cross-listed as RELG 3641 and may therefore count as three credits in either discipline.

Exclusion: HIST/RELG 3641 (The Modern Church)

A consideration of how secularization has occurred in various modern states and of the sphere of influence that remains for religion in these circumstances.

**HIST 3710 (6CR)**  
**CHINA SINCE 1949**

Format: Lecture 3 Hours

Prereq: Second-year standing and at least six credits in History at the 1000 or 2000 level; or permission of the Department or as for RELG 3641

This course will deal with the contemporary history of China, focusing on six topics: the role of ideology; foreign policy goals and practicalities; intellectuals and student activists; religion, the rural-urban continuum; and economic changes since 1949.

**HIST/POLS 3731 (3CR)**  
**JAPAN IN THE MODERN WORLD**

Format: Lecture 3 Hours

Prereq: Second-year standing and at least six credits in History at the 1000 or 2000 level; or permission of the Department

Note: This course is cross-listed as POLS 3731 and may therefore count as three credits in either discipline.

Exclusion: HIST/POLS 3321

This course will examine Japan's relations with the international community in the years following renewed contact with the West in the 1860's. Particular emphasis will be placed on the expanding intellectual, diplomatic and economic interchange and the impact of that interchange on the shaping of modern Japan.

**HIST 3741 (3CR)**  
**CLASSICAL AND EARLY MODERN CHINA**

Format: Lecture 3 Hours

Prereq: Second-year standing and at least six credits in History at the 1000 or 2000 level; or permission of the Department

Exclusion: HIST 2711

This course examines the major social, cultural, economic and intellectual trends of dynastic China from Tang to early Qing (700-1800). Attention will also be given to the "Middle Kingdom" world view and China's position in global trade and diplomatic networks prior to European expansion.

**HIST 3751 (3CR)**  
**CHINA IN THE MODERN WORLD**

Format: Lecture 3 Hours

Prereq: Second-year standing and at least six credits in History at the 1000 or 2000 level; or permission of the Department

Exclusion: HIST 2721

This course traces the contested process of nation building in China from the mid-18th century to the present day. Particular attention will be given to the manner in which the Chinese people have interacted with Euro-American and Japanese foreigners and the role these relations

HIST 4250 (6CR)

BRITAIN AND EUROPE IN THE TWENTIETH CENTURY

Format: Seminar 3 Hours

Prereq: Third-year standing and at least six credits from among HIST 3211, 3221, 3231, 3241, 3251, POLS 3400; or permission of the Department

Exclusion: HIST 4600

Seminar in twentieth century British and European history.



**HIST 4700 (6CR)****ADVANCED SEMINAR IN ASIA PACIFIC HISTORY**

Format: Seminar 3 Hours

Prereq: Third-year standing and six credits from HIST 3710, 3731, 3741, 3751; or permission of the Department

This course examines the development of Chinese and Japanese societies from the 19th through the 20th centuries. It will focus on the emergent national and individual consciousness in the two countries, and the rapidly changing political context in which they were constructed.

**HIST 4950/4951 (6/3CR)****SPECIAL TOPICS - DIRECTED STUDY**

Format: Independent Study

Prereq: Permission of instructor and Department required

**HIST 4990 (6CR)****HONOURS THESIS**

Format: Independent Study/Thesis

Independent research and study under direction of a member of the department; for students in History Honours programme.

**INTERNATIONAL ECONOMICS AND BUSINESS****Interdisciplinary B.A. Programme**

MINOR in International Economics/Business is 24 credits earned as follows:

- 12 from Economics 1000, (or 1001 and 1011), Commerce 1001, 2201
- 12 from Economics 3501, 3531, 3551, 3901, 3921, Commerce 2211, 3211, 3251, chosen in consultation with the Programme Advisor

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## INTERNATIONAL RELATIONS

The study of International Relations has traditionally focussed on the competition for power among rival states. Today, however, non-state and intergovernmental actors, such as non-governmental organizations, multinational corporations, transnational diasporas, and organizations like the United Nations also exert important influence in international affairs. The multiple dimensions of power go beyond the distribution of economic and military capabilities and include class, gender, culture, and discourse. The "international" in International Relations is moreover inseparable from domestic concerns and is as much about cooperation and compromise among international actors as it is about competition and conflict. The International Relations programme provides students with a multidisciplinary foundation for understanding the complexities of today's international affairs.

### Interdisciplinary B.A. Programme

INTERDISCIPLINARY MAJOR AREA OF STUDY in International Relations is 72 credits as follows:

Core (48 credits as follows):

- 6 from Political Science 1000
- 6 from International Relations/Political Science 2301, International Relations 3001
- 6 from History 1601, 1611, 2000, 2010, 2700
- 9 Economics 1001 and 1011 (or 1000), 3501
- 12 from a second language offered by the Department of Modern Languages and Literatures. Normally students will take German 1000, 2000 or French 1700, 2401, 2501 or Spanish 1100, 2100 or Japanese 1000, 2000 (Students may substitute other courses dependent on placement by the Department of Modern Languages and Literatures or another language subject approved by the International Relations Programme Coordinator or by transfer. If exempted, they must take the equivalent number of credits from elsewhere in the programme).
- 6 from Geography 1201, 2201, 2221, 2311
- 3 from an Intercultural area at the 1000 or 2000 level including Anthropology 1011, 2521; English 1111, 1121, 1201; French 2841 or 2851; German 2351; Spanish 2001, 2011; Religious Studies 2401, 2801; Sociology 1001; Women's Studies 2001

Interdisciplinary electives at the 3/4000 level:

- 24 from 3/4000 level courses chosen in consultation with the International Relations Programme Coordinator from the following courses, of which a maximum 12 credits can be taken from any one discipline:

Anthropology 3811\*, 3831\*, 3841\*, 3861\*  
 Commerce 3251\*  
 Economics 3531, 3551, 3901, 3921  
 English 3751\*, 3761\*, 3771\*, 3781\*, 3921\*  
 French 3841\*  
 Geography 3101\*, 3301\*, 3321\*, 4101\*, 4301\*  
 History 3131, 3231, 3241, 3301, 3311, 3380, 3381, 3461, 3561, 3641\*, 3710, 3731, 3741, 3751, 4250\*, 4401\*, 4550\*, 4700\*  
 International Relations 3101, 3201, 3301, 3401  
 Political Science 3021\*, 3200, 3310, 3731, 4200, 4211, 4300, 4550  
 Religious Studies 3001\*, 3101\*, 3301\*, 3311\*, 3311\*, 3501\*, 3601\*, 3641\*, 3701\*, 3891\*, 3900\*, 3941\*, 4401\*, 4411\*, 4421\*, 4821\*  
 Sociology 3121\*, 3221\*, 3431\*, 3501\*, 3611\*, 4511\*

Note: Not all these courses may be available in any given year.

Note: \* Courses marked with an asterisk require additional prerequisites.

HONOURS in International Relations is 84 credits as follows:

- 72 credits as in the Major (48 from Core, 24 from 3/4000 level electives), plus
- 6 from 4000 level Anthropology, Economics, English, Geography, History, Political Science, Religious Studies, or Sociology, chosen in consultation with the International Relations Programme Coordinator
- 6 from International Relations 4101, 4301, 4950/1, 4701

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## INTERNATIONAL RELATIONS COURSES

INLR/POLS 2301 (3CR)

TOPICS IN INTERNATIONAL RELATIONS

Format: Lecture/Discussion/Group Projects 3 Hours

Prereq: POLS 1000; or permission of the Department

Note: This course is cross-listed as POLS 2301 and may count as 3 credits in either discipline.

A study of the major issues and themes in international relations, including the nature of war and the conditions of peace.

INLR 3001 (3CR)  
GENDER AND INTERNATIONAL RELATIONS

## JAPANESE STUDIES

See Modern Languages and Literatures

## LATIN

See Classical Studies

## LINGUISTICS

See Modern Languages and Literatures

## MATHEMATICS

Mathematics is a discipline which has been said to be the Queen of the Sciences, and is the foundation of most modern quantitative and qualitative studies. The permanence and universality of mathematics throughout the ages is a consequence of its very nature. Mathematics is cumulative, developing from the earliest use of numbers by prehistoric civilizations to the highly deductive nature of geometry as developed by the Greeks, from the practical applications of calculus developed in the seventeenth century to the modern use of number theory in

B.A. HONOURS in Mathematics is 72 credits earned as follows:

- 18 from Mathematics 1111, 1121, 2111, 2121, 2211, 2221
- 6 from Computer Science 1711, 1721
- 24 from Mathematics 3011, 3111, 3121, 3211, 3311, 3321, 4131, 4221
- 3 from Mathematics 3411
- 15 from Mathematics at the 3/4000 levels
- 6 from Mathematics or Computer Science at the 3/4000 levels

B.A. OR B.Sc. HONOURS in Computer Science and

MATH 1121 (3CR)

**MATH 3031 (3CR)****HISTORY OF MATHEMATICS**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 1121 (or 1131) and 6 credits from MATH 2111, 2121, 2211 and 2221

A survey of the history of Mathematics. Topics include: the achievements of early civilizations, the developments in Europe leading to the calculus and its consequences, the growth of rigor in the 18th and 19th centuries, the axiomatic method in the 20th century.

**MATH 3111 (3CR)****REAL ANALYSIS I**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2111, 2121, 2211; or permission of the Department

Exclusion: MATH 3110

A systematic and rigorous study of the real numbers and functions of a real variable, emphasizing limits and continuity.

**MATH 3121 (3CR)****REAL ANALYSIS II**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 3111; or permission of the Department

Exclusion: MATH 3110

A continuation of Mathematics 3111 including the study of concepts from the Calculus, including differentiation and integration.

**MATH 3131 (3CR)****MATHEMATICAL METHODS FOR DIFFERENTIAL EQUATIONS**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2121 and 2221; or permission of the Department

This course is designed primarily for students in mathematics, physics, or engineering. It covers systems of 1st and 2nd order ordinary differential equations, Laplace and Fourier transforms, power series solutions for equations with singular points, and Fourier series.

**MATH 3141 (3CR)****VECTOR CALCULUS**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2111; or permission of the Department

Topics covered include vectors in the plane and in three space, vector functions, curves, tangent and normal vectors, velocity and acceleration; curvature and arc length, directional derivatives and the gradient, vector fields, line integrals, the Fundamental Theorem of line integrals, divergence and curl, Green's Theorem, parametrized surfaces, surface area and surface integrals, flux, Stokes' Theorem, and the Divergence Theorem.

**MATH 3151 (3CR)****AN INTRODUCTION TO MATHEMATICAL MODELLING**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2121 and 2221; or permission of the Department

This course provides an introduction to the nature of theoretical mathematical modelling illustrated by examples drawn from the physical and engineering sciences, pursuit and conflict problems, population dynamics (mathematical ecology), traffic flow, sociological problems (voting, kinship, cultural stability) and other areas depending on the interests of the class.

**MATH 3211 (3CR)****MODERN ALGEBRA I**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2211 and MATH 2221; or permission of the Department

An introduction to the theory of groups and rings.

**MATH 3221 (3CR)****ADVANCED LINEAR ALGEBRA**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2221; (MATH 2211 is recommended); or permission of the Department

An advanced course in linear algebra, covering selected topics from: change of basis and similarity of matrices; multilinear forms and determinants; canonical forms, Primary Decomposition Theorem, Jordan form; semisimple and normal operators; spectral theory; quadratic forms; applications to geography, electrical networks, linear programming, differential equations, or the geometry of conic sections.

**MATH 3231 (3CR)****NUMBER THEORY**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2211; or permission of the Department

An introductory half-course in the theory of numbers covering such topics as: Euclidean algorithm, Fundamental Theorem of Arithmetic, congruences, diophantine equations, Fermat and Wilson Theorems, quadratic residues, continued fractions, Prime number theorem.

**MATH 3251 (3CR)****INTRODUCTION TO COMBINATORICS AND GRAPH THEORY**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2211, 2221; or permission of the Department

Topics covered include enumeration (permutations and combinations, inclusion-exclusion and pigeonhole principles, recurrence relations and generating functions), algorithmic graph theory (minimum-weight spanning trees and minimum-weight paths) and combinatorial design theory (latin squares and finite geometries, balanced incomplete block designs, triple systems).

**MATH 3311 (3CR)****PROBABILITY AND STATISTICS I**

Format: Lecture/Discussion 3 Hours

Prereq: MATH 2111; or permission of the Department

Exclusion: MATH 3310

An introduction to the mathematical theory of probability. Topics covered include: sample space, events, axioms, conditional probability, Bayes Theorem, random variables, combinatorial probability, moment generating functions, transformations of random variables, univariate and joint distributions with reference to the binomial, hypergeometric, normal, Gamma, Poisson, and others; convergence of sequences of variables, central Limit Theorem.

# AN i p e r s i n

MATH 321 (BCR)

PROBABILITY AND STATISTICS

Format: Lecture/Discussion 3 Hours

Prerequisites: MATH 111; or permission of the Department

Extension: MATH 310

An introduction to mathematical statistics. Topics covered include:

Estimation, unbiasedness, efficiency, Cramer-Rao lower bound, consistency, sufficiency, maximum likelihood estimators, hypothesis testing, power of tests, likelihood ratio, regression analysis and analysis of variance.

MATH/COMP 3411 s4uo3411 s4uy.5 TNUMERICALANALYSIS the Department





through the placement process must be replaced on their programmes by credits at the upper levels.

### Language of Instruction and Assignments

All courses in the French curriculum are generally delivered in French alone, and all assignments, both oral and written, are to be completed in French. Exceptionally, two courses offer students the option of completing written work in English: French 2201 (Cinéma du monde francophone) and French 2841/2851 (Identités culturelles de la France contemporaine). In the case of the latter, students who intend to apply the credits towards the completion of a minor, major or honours programme must do the written work in French and register for the

FREN 1700 (6CR)

INTERMEDIATE FRENCH

Format: Lecture 3 Hours, Laboratory 1 Hour

Prereq: Placement by the Department

An intensive approach to the development of communication skills through the integration of grammar study, writing practice, and oral exercises. The study of written and oral language will be reinforced by

FREN 3151 (3CR)

EXPRESSIVITÉ I

Format: Lecture 3 Hours

Prereq: FREN 2501; or permission of the Department

A course designed for students at the advanced level who have a serious desire to speak French with enhanced clarity, spontaneity and colour. A systematic study of phonological and prosodic features of French, both international and Canadian.

FREN 3161 (3CR)

EXPRESSIVITÉ II

Format: Lecture 3 Hours

Prereq: FREN 3151; or permission of the Department

The objectives are similar to those of Expressivité I, but special emphasis will be placed on the acquisition of specific and varied vocabularies, on the study of Canadian variants, and on a variety of exercises designed to help students speak French with greater confidence.

FREN 3201 (3CR)

MOYEN-ÂGE ET RENAISSANCE: ÉPOPÉE, ROMAN ET POÉSIE

Format: Lecture 3 Hours

Prereq: FREN 2601; or permission of the Department

Selected works from the 11th to the 16th centuries representative of diverse narrative and lyrical traditions: epic poetry, novel, lyric poetry, fabliaux and satire. Works and authors studied may include, but are not limited to: La Chanson de Roland, Chrétien de Troyes, Marie de France, Rabelais, Marguerite de Navarre, François Villon, Louise Labé, Pierre Ronsard, and others.

FREN 3271 (3CR)

LES DÉBUTS DU THÉÂTRE EN FRANCE

Format: Lecture 3 Hours

Prereq: FREN 2601; or permission of the Department

Study of the origins of modern French theatre from the 12th to the 17th centuries including religious drama, miracle plays, mystery plays, farce, comedy and tragedy. Representative works and authors will be chosen from among: Le Jeu d'Adam, Adam de la Halle, Rutebeuf, La Farce de Maître Pathelin, La Farce du Cuvier, Gréban, Bèze, Garnier, Jodelle, Larivey, Corneille: L'Illusion comique.

FREN 3321 (3CR)

BAROQUE ET CLASSICISME

Format: Lecture 3 Hours

Prereq: FREN 2601; or permission of the Department

Selected works from the lyrical, humanists, moralist and prose fiction currents from the end of the 16th century through the 17th century. Authors studied may include Montaigne, Descartes, Pascal, Scarron, Mlle de Scudéry, Furetière, Mme de Lafayette, Mme de Sévigné, La Fontaine et La Bruyère.

FREN 3371 (3CR)

LE THÉÂTRE CLASSIQUE

Format: Lecture 3 Hours

Prereq: FREN 2601; or permission of the Department

A study of comedy and tragedy in the seventeenth century concentrating on selected works of Molière, Corneille and Racine.

FREN 3401 (3CR)

LE ROMAN DU DIX-HUITIÈME SIÈCLE

Format: Lecture 3 Hours

Prereq: FREN 2601; or permission of the Department

A study of the objective of the modern novel, drawing on the works of Lesage, Marivaux, Prévost, Montesquieu, Voltaire, Rousseau, Laclos, Sade, Diderot.

FREN 3420 Tj/F5 10 Tf (ME SImholo Tf1 0 0 1 36 124.643 PHILOSOPH



## FREN 4011 (3CR)

### TRADUCTION

Format: Lecture 3 Hours

Prereq: FREN 3111; or permission of the Department

Exclusion: FREN 4001 (Stylistique II)

The course includes detailed study and written exercises dealing with the following: comparative stylistics (French/English), technical problems of translation, literal translation, transposition and equivalence. Written exercises in both translation and composition are required.

## FREN 4901 (3CR)

### SELECTED TOPICS

Format: Lecture 3 Hours

Prereq: Permission of the Department

A seminar course available to students who have completed at least two courses in French literature at the 3000 level and at least in two period or theme series (e.g: series of courses whose numbers begin with 32 to 38)

## FREN 4990 (6CR)

### MÉMOIRE

Format: Independent Study/Essay

Prereq: Permission of the Department

(Honours Essay) The subject and programme of research will be established at the end of the student's third year, and submitted for approval to the Department. The essay must show evidence of scholarly investigation and will be written in French.

## GERMAN STUDIES

The German language is spoken by approximately 120 million people in Germany, Austria, Switzerland, Luxembourg and Liechtenstein, and by more than one million Canadians. German is one of the official languages of the United Nations and is the second most widely used foreign language in Europe.

## SUMMER PROGRAMMES IN GERMANY

There is a possibility of taking summer courses for credit in Germany

**GERM 3231 (3CR)**  
**MODERN GERMAN LITERATURE**

Format: Lecture 3 Hours

Prereq: GERM 2000; or permission of the Department

Selected works of writers from German-speaking countries will be read. These works will reflect on the partition of Germany after World War II into politically opposing camps, the economic miracle in West Germany with its social implications, and the continued pre-occupation of a united Germany with its fascist and communist past. This course is designed to develop the student's reading ability and aural and oral skills in German.

**GERM 3301 (3CR)**  
**ENLIGHTENMENT LITERATURE**

Format: Lecture 3 Hours

Prereq: GERM 2000; or permission of the Department

A study of representative works of those authors who helped shape the period generally known as the German Enlightenment, the first age in German cultural history which recognized the instrumental role people can play in determining their own destiny in this world (cf. Kant's definition of "Aufklärung"). Authors to be studied include Brockes, Haller, Gellert, Lessing, and Wieland.

**GERM 3311 (3CR)**  
**LITERATURE OF THE LATE EIGHTEENTH CENTURY**

Format: Lecture 3 Hours

Prereq: GERM 2000; or permission of the Department

It is the aim of this course to demonstrate the underlying unity in the varied patterns which constitute this period. Terms such as Empfindsamkeit and Sturm und Drang will all be shown to be



## Disciplinary B.A. Programmes

MINOR in Hispanic Studies is 24 credits earned as follows:

- 18 from Spanish 1100, 2100, 3101, 3111
  - 6 either from Spanish 2001, 2011, 3001, 3011
- or
- from Spanish 3001, 3011, and literature courses in Spanish at the 3000 level, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in Hispanic Studies is 60 credits earned as follows:

- 18 from Spanish 1100, 2100, 3101, 3111
- 6 from Spanish 2001, 2011
- 18 from Spanish at the 3000 level, offered in Spanish
- 18 credits from complementary courses in Arts and Letters, History, Classics, Social Sciences, chosen in consultation with the Programme Advisor

Note: A major in Modern Languages (French, German and Spanish), is also available.

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

**SPAN 3211 (3CR)**

**SPANISH LITERATURE OF THE GOLDEN AGE**

Format: Lecture 3 Hours

Prereq: SPAN 3101 and 3111; or permission of the Department

A study of the literature of Spain of the 16th and 17th centuries.

Particular attention will be given to poetry, theatre and the novel. This course will be conducted in Spanish.

**SPAN 3221 (3CR)**

**NINETEENTH-CENTURY SPANISH LITERATURE**

Format: Lecture 3 Hours

Prereq: SPAN 3101 and 3111; or permission of the Department

A study of the poetry and theatre of the Romantic period and of the

novel of the second half of the century. This course will be conducted in Spanish.

**SPAN 3231 (3CR)**

**TWENTIETH-CENTURY SPANISH LITERATURE**

Format: Lecture 3 Hours

Prereq: SPAN 3101 and 3111; or permission of the Department

A study of selected poetry, novels and plays of this century beginning

with the "Generacion de 1898". This course will be conducted in Spanish.

**SPAN 3301 (3CR)**

**SHORT PROSE OF LATIN AMERICA**

Format: Lecture 3 Hours

## JAPA 2000 (6CR)

### INTERMEDIATE JAPANESE

Format: Lecture 3 Hours, Laboratory 1 Hour

Prereq: JAPA 1000; or permission of the Department

A continuation of Japanese 1000 with particular attention directed to communications skills in both writing and speaking. Three hours of class and one hour of language laboratory per week.

## LINGUISTICS

Like other inquiries which are central to human experience, language has long been the focus of intellectual examination. Speculation on the nature of language appears in the works of Plato, Aristotle and other Greek philosophers. Although a number of disciplines, from literary studies to computer science, share the study of language with linguistics, the focus of linguistics is the scientific study of language. Linguists are interested in how human language is organized in the human mind and in how the social structures of human communities shape language to their own purposes, reflecting themselves in language use.

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## LINGUISTICS COURSES

### LING 2001 (3CR)

#### INTRODUCTION TO THE STUDY OF LANGUAGE

Format: Lecture 3 Hours

Prereq: None

A general-interest course intended to acquaint students in all fields with the structural, social and psychological forces that shape language, beginning with a consideration of the origins and nature of language and proceeding to an examination of languages as systems and the ways they structure meaning.

### LING 3001 (3CR)

#### FUNDAMENTALS OF GENERAL LINGUISTICS.

Format: Lecture 3 Hours

Prereq: LING 2001 and a minimum of six credits in a language other than English; or permission of the Department

This course on the nature and structure of language examines the physiology of speech, word formation, theoretical concepts of sentence generation, and the phonological and historical forces involved in language creation and language change. It is recommended for senior students in language and literary studies, and students interested in



MUSC 1101 (3CR)

MATERIALS OF MUSIC I

Format: Lecture/Discussion 3 Hours, Laboratory 2 Hours

Prereq: MUSC 1011; or Placement Test in Music Theory

A study of the harmonic, melodic, rhythmic and structural materials of music through analysis, writing, sight-singing, and listening, including: harmonic rhythm, structural and non-structural dissonance; cadence formulae, diatonic triads and seventh chords in all positions; elementary modulation; secondary dominant and leading-tone triads and seventh chords; various types of melodies; basic structural units; simple part forms.

MUSC 1111 (3CR)

MATERIALS OF MUSIC II

Format: Lecture/Discussion 3 Hours, Laboratory 2 Hours

Prereq: MUSC 1101

A continuation of Music 1101 in Term II.

MUSC 2101 (3CR)

MATERIALS OF MUSIC III

Format: Lecture/Discussion 3 Hours, Laboratory 2 Hours

Prereq: MUSC 1111 or 1131; or permission of the Department

A review and continuation of Music 1111 or 1131. Includes: advanced part-writing techniques; chromaticism; advanced modulation; borrowed and altered chords (Neapolitan and augmented sixth chords); traditional formal structures: binary, ternary, theme and variations, rondo, sonata-allegro, sonata-rondo; survey of contrapuntal genres and techniques.

MUSC 2111 (3CR)

MATERIALS OF MUSIC IV

Format: Lecture/Discussion 3 Hours, Laboratory 2 Hours

Prereq: MUSC 2101; or permission of the Department

A continuation of Music 2101 in Term II.

MUSC 2141 (3CR)

ELEMENTARY COMPOSITION I

Format: Lecture/Discussion 3 Hours

Prereq: MUSC 1111; or permission of the Department

Work in the small forms using traditional concepts, techniques and idioms. An attempt will be made to develop an approach to composition that will serve the student in whatever style or medium is chosen. The initial emphasis will be placed on developing an awareness of the factors that come into play in musical composition, as well as on recognizing and being able to produce strong musical material. The focus shifts gradually to cohesion, the development of materials and the handling of contrast.

MUSC 2151 (3CR)

ELEMENTARY COMPOSITION II

Format: Lecture/Discussion 3 Hours

Prereq: MUSC 2141; or permission of the Department

A continuation of Music 2141 in Term II.

MUSC 3121 (3CR)

ORCHESTRATION I

Format: Lecture/Discussion 3 Hours

Prereq: MUSC 2111; or permission of the Department

A course in the use of the instruments of the modern symphony orchestra and the relationship between medium and style. Scoring for

**MUSC 3251 (3CR)**  
**TWENTIETH CENTURY MUSIC II**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 3241; or permission of the Department  
A survey of western art music from the beginning of World War II to the present. The course will focus on the study of representative works of music, with the approach again being both historical and analytical.

**MUSC 4141 (3CR)**  
**ADVANCED COMPOSITION I**  
Format: Seminar 3 Hours  
Prereq: MUSC 3151; or permission of the Department  
A continuation of Music 3151 with adding emphasis on the development of an individual style.

**MUSC 4151 (3CR)**  
**ADVANCED COMPOSITION II**  
Format: Seminar 3 Hours  
Prereq: MUSC 4141; or permission of the Department  
A continuation of Music 4141 in the Term II.

**MUSC 4181 (3CR)**  
**ANALYTICAL TECHNIQUES I**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 2111; or permission of the Department  
Development of skills in the analysis of music through examination of scores drawn from a wide range of periods, styles and media. Introduction and application of various theories of coherence and unity (Schenker, Hindemith, Messiaen, et al.).

**MUSC 4191 (3CR)**  
**ANALYTICAL TECHNIQUES II**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 4181; or permission of the Department  
A continuation of Music 4181 in Term II.

## **MUSIC HISTORY AND LITERATURE**

**MUSC 1201 (3CR)**  
**MUSIC HISTORY AND LITERATURE I**  
Format: Lecture/Discussion 3 Hours  
Prereq: Registration in the first year of the B.Mus. or B.A. (Major or Honours in Music), Minor in Music; or permission of the Department  
Coreq: MUSC 1101  
This is the first course in a series designed to introduce students to the history and literature of music in the Western World. The first part of the course will provide an overview of the various style eras and genres. This will be followed by a survey of music from the Medieval and Renaissance eras. Changing concepts, styles, forms and media are considered and compared through readings, score study, recordings, library research, and classroom performance.

**MUSC 1211 (3CR)**  
**MUSIC HISTORY AND LITERATURE II**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 1201; or permission of the Department  
Coreq: MUSC 1111  
A survey of music history and literature of the Baroque period.

**MUSC 2001 (3CR)**  
**INTRODUCTION TO MUSIC**  
Format: Lecture/Discussion 3 Hours  
Exclusion: MUSC 2000  
This course will include an introduction to the basic elements of music. The development of listening skills and an understanding of these elements will be fostered through an examination of various styles which will include world music and/or contemporary popular music.

**MUSC 2011 (3CR)**  
**Survey of Western Music**  
Format: Lecture/Discussion 3 Hours  
Exclusion: MUSC 2000  
In this course, form and style will be interrelated with historical considerations in a chronological approach to the history of western music. Live performances will be included whenever possible.

**MUSC 2201 (3CR)**  
**MUSIC HISTORY AND LITERATURE III**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 1211; or permission of the Department  
Coreq: MUSC 2101  
A survey of music history and literature of the Pre-Classical and Classical periods through Beethoven.

**MUSC 2211 (3CR)**  
**MUSIC HISTORY AND LITERATURE IV**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 2201; or permission of the Department  
Coreq: MUSC 2111  
A survey of music history and literature of the Romantic period, extending from Beethoven's contemporaries through the nineteenth century.

**MUSC 3001 (3CR)**  
**INTRODUCTION TO MUSIC IN CANADA**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 2011 or MUSC 2211; or permission of the Department  
This course is a survey of the history of music in Canada from the beginning of the seventeenth century to the present. Reference will be made to the folk music of indigenous and immigrant groups. Some attention will be given to the development of listening skills and understanding of the elements of music related to the course. Historical and social consideration alongside a chronological approach to Canadian music history will form the basis of the course.

**MUSC 3211 (3CR)**  
**SELECTED TOPICS IN MUSIC HISTORY AND LITERATURE**  
Format: Lecture/Discussion 3 Hours  
Prereq: MUSC 2211; or permission of the Department  
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**MUSC 4221 (3CR)**  
**SEMINAR IN MUSIC HISTORY I/II**

Format: Lecture/Discussion 3 Hours

Prereq: MUSC 3251; or permission of the Department

Note: Students may register for MUSC 3211 and/or 4221 more than once, provided the subject matter differs.

A senior seminar on the formulation of critical concepts as they relate to specific styles and works, including questions of analytical systems, the formation of values, reception theory, aesthetics, and allied matters. Emphasis will be placed on the development of research, bibliographical, and writing skills, as well as on the presentation of oral reports. This course is especially useful for students contemplating graduate studies in Musicology.

## **MUSIC EDUCATION**

Note: Music 3303, 3311, 4311, and 4363, are open to B. Mus. and B.A. (Honours or Major in Music) students; other students by permission of the Department, contingent on the student's musical background and completion of the necessary prerequisite(s). Registration in other instrumental methods courses is also subject to the availability of musical instruments. Students should consult the timetable carefully regarding the semester(s) in which these courses are offered.

**MUSC 3303 (3CR)**  
**VOCAL METHODS**

Format: Lecture/Discussion 2 Hours

This is a practical course designed to acquaint the student with the skills required for good singing. The basic physiology, acoustics and co-ordination of singing will be studied in a class situation. The emphasis will be on vocal production and expression and will include solo singing of standard repertoire, with critical analysis by the class of vocal technique and style. The application of vocal principles to choral singing will also be considered.

**MUSC 3311 (3CR)**  
**ELEMENTARY METHODS**

Format: Lecture/Discussion 3 Hours

Prereq: MUSC 2111; or permission of the Department

This course is designed to introduce students to the topic of music and young children, and to acquaint them with current philosophies and methodologies with an emphasis upon those of Zoltan Kodály and Carl Orff. It is designed for any music students who are interested in the topic of music and young children and is not limited to those students planning to teach in the public schools.

**MUSC 3323 (3CR)**  
**BRASS METHODS**

Format: Lecture/Discussion 2 Hours

A practical course designed to acquaint the student with the basic skills necessary for the playing and teaching of the instruments of the brass family. Concentration is on basic embouchure formation, posture, hand position, fingering or slide position, proper breathing, and methodology.

**MUSC 3333 (3CR)**  
**WOODWIND METHODS**

Format: Lecture/Discussion 2 Hours

A practical course designed to acquaint the student with the basic skills necessary for the playing and teaching of the instruments of the woodwind family. Concentration is on basic embouchure formation, posture, fingering, proper breathing, and methodology.

**MUSC 3343 (3CR)**  
**STRING METHODS I**

Format: Lecture/Discussion 2 Hours

A practical course designed to acquaint the student with the basic skills necessary for the playing and teaching of the instruments of the bowed string family. Instrumental assignment is made by the instructor, and the student plays one instrument (violin, viola, cello, or bass) for the duration of the course. Concentration is on basic techniques of posture, position, bowing and left-hand finger patterns.

**MUSC 4311 (3CR)**  
**SECONDARY METHODS**

Format: Lecture/Discussion 3 Hours

Prereq: MUSC 3311; or permission of the Department

This course, which is a continuation of Music 3311, covers several aspects of music instruction at the secondary level including choral, instrumental, and general music programmes. An introduction to the use of technology in music programmes and classroom harmony instruments will also be included.

**MUSC 4353 (3CR)**

Pm(instruments will also be included.)Tjrj-0.012EyS,fl alogy in m

## APPLIED STUDIES

### MUSC 1500/2500/3500/4500/4501 (6/3 CR)

#### CHIEF PRACTICAL I, II, III, IV

Format: Private Instruction 1 Hour, Master Classes

Prereq: For 1500: audition; for advanced levels: successful completion of the preceding course in the sequence

Applied courses involve individual weekly instruction in vocal and instrumental music, and facilitate technical command, interpretive insight, and understanding of pedagogical procedures. These courses stress the development of the ability to perform with competence and musical understanding while providing a comprehensive background of music of various periods, styles and composers, thus allowing students to interpret representative works of the past and present.

### MUSC 4590/4593 (6/3 CR)

#### RECITAL

Format: Private Instruction 1 Hour, Master Classes

Prereq: Students enrolling in 4590 must attain at least A- in MUSC 3500, and must have participated in at least one half-recital. Students enrolling in 4593 must attain at least A- in MUSC 3500, and must have participated in at least two collegia concerts (or the equivalent) since enrolling in the B.Mus. programme. Students enrolling in 4590 or 4593 must have completed MUSC 2111 and 2211.

Preparation and execution of a public recital programme (30 minutes for 4591 or 60 for 4590) under the supervision of the student's principal teacher. The programme must be planned at the end of the student's third year in consultation with the teacher, and it must be submitted to the department for approval.

### MUSC 4600 (6CR)

#### ACCOMPANIMENT

Format: Private Instruction 1 Hour

Prereq: MUSC 3603; or permission of the Department

This course is designed to allow fourth year keyboard majors to concentrate on accompaniment in lieu of the Chief Practical, 4500. The student will be expected to accompany a full recital, or two half recitals, or the equivalent thereof in the accompaniment of several individuals or a major ensemble or ensembles. Permission to enroll will be granted and instruction will be given by the Chief Practical instructor.

## PERFORMANCE ELECTIVES

Students should note that most of these electives are 3 credit courses which run through both terms. For complete information please consult the timetable.

### MUSC 2521 (3CR)

#### DICTION FOR SINGERS

Format: Lecture/Discussion 3 Hours

This course will acquaint students with the symbols and sounds of the International Phonetic Alphabet and with the application of the IPA to the English, French, German, Italian, Latin and Spanish languages. The differences between spoken and sung language will be explored and the physical processes required to produce the various sounds will be investigated and practised.

### MUSC 2603 (3CR)

#### ACCOMPANIMENT I

Format: Lecture/Laboratory 3 Hours

Prereq: MUSC 1500; permission of the Department

This course will assist students in acquiring the basic knowledge and skills necessary for providing an artistic accompaniment. Students will examine different styles of music including Art Song, Lieder and Oratorio, as well as accompaniments for instrumental works and orchestral reductions.

### MUSC 2613 (3CR)

#### CHAMBER MUSIC I

Format: Private Instruction 1 Hour

Prereq: MUSC 2613 open to 2nd, 3rd, and 4th year music students in their major instrument with the permission of the applied music instructor, the course instructor, and the coordinator; others by permission of the Department

These courses (taken in sequence) are designed to give students practical experience in the art of chamber music performance. Students will be assigned to instructors and repertoire (30 minutes minimum) will be chosen and approved in the Spring prior to the beginning of the next academic year. There will be two public performances by each chamber group.

### MUSC 3413 (3CR)

#### CHORAL CONDUCTING

Format: Lecture/Laboratory 3 Hours

Prereq: MUSC 2111; or permission of the Department

Coreq: MUSC 3303

A practical course designed to train the student in the fundamentals of conducting. Students will help each other by acting as an ensemble for student conductors.

### MUSC 3423 (3CR)

#### INSTRUMENTAL CONDUCTING

Format: Lecture/Laboratory 3 Hours

Prereq: MUSC 2111; or permission of the Department

A practical course designed to train musicians in fundamentals of Instrumental conducting.

### MUSC 3603/4603 (3CR)

#### ACCOMPANIMENT II/III

Format:



MUSC 4613 (3CR)  
CHAMBER MUSIC III  
Format: Private Instruction 1 Hour  
Prereq: MUSC 3613; or permission of the Department

## GENERAL ELECTIVE

MUSC 4951 (3CR)  
SPECIAL TOPICS IN MUSIC  
Format: Lecture/Discussion 3 Hours  
Prereq: Completion of the core Music courses in the area of the Special Topics elective; or permission of the Department  
Note: This course may be used as a Group B Music Elective in the Bachelor of Music degree.  
This course allows students the opportunity to pursue a topic of special interest not covered in other Department of Music courses, or a topic not covered in depth by the course offered.

## THE FOLLOWING ARE ONE CREDIT ENSEMBLES:

MUSC 1629-4629 CHAMBER ORCHESTRA  
MUSC 1639-4639 SYMPHONIC BAND  
MUSC 1649-4649 INSTRUMENTAL JAZZ ENSEMBLE  
MUSC 1659-4659 ELLIOTT CHORALE  
MUSC 1669-4669 CHORAL SOCIETY  
MUSC 1689-4689 LARGE ENSEMBLE OF LIKE INSTRUMENTS (BRASS CHOIR)  
MUSC 1699-4699 VOCAL JAZZ ENSEMBLE  
MUSC 2679-4679 OPERA WORKSHOP  
Prereq: Permission of the Department

## RECITAL AND CONCERTS

Performances by students, faculty, and guest artists form an important part of the musical life of Mount Allison. The University Performing Arts Series brings to the campus top performers of international rank. Various music faculty ensembles provide an "in residence" group of performers. Frequent student recitals and Collegia Musica provide further enrichment as well as opportunities for students to gain valuable listening and performance experience.

## PRACTICE FACILITIES

Practice facilities are available in the Department of Music for non-music majors from 5 p.m. to 6:30 p.m. daily. Other times are reserved for students registered in Applied Studies courses: Chief Practical, Recital, Accompaniment and Chamber Music.

## PHILOSOPHY

Philosophy is the endeavour to understand the basic questions that arise for us in our world, and to formulate this understanding in a critical manner. Traditionally, these questions have touched upon what can be known, what can be valued, what our own position is socially and individually- above all, how we can know what we think we know.

The Department believes that careful study of the great works of the past and present provides the best access to philosophical questions. Thus many of our courses concentrate the student on developments in the history of philosophy, from the sixth century B.C. to the twentieth century. Courses in logic, ethics, metaphysics, philosophy of science and the philosophy of mind examine special issues in these developments and are compared to the formulation of these same issues in Asian philosophy.

The study of philosophy invites critical and imaginative consideration of the questions themselves.

Only thereby can the student learn to appreciate their force, and the variety of responses to them. Since philosophical questions are deeply imbedded in the development of western civilization, one can study philosophy in conjunction with a wide range of other disciplines. Moreover, our students have found it a useful background for subsequent endeavours in fields such as law, civil service, medicine, theology, and further graduate study.

## Disciplinary B.A. Programmes

MINOR in Philosophy is 24 credits, earned as follows:

- 6 from the Humanities 1600 Series
- 6 to 12 from Philosophy at the 2000 level
- 6 to 12 from Philosophy at the 3/4000 level, chosen in consultation with the Programme Advisor

methodologies typical of these disciplines and to familiarize them with the approaches taken, as well as the sorts of themes pursued and questions raised in these disciplines.

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

**PHIL 1601 (3CR)**  
**PLATO'S REPUBLIC**

Format: Lecture/Discussion 3 Hours

A study of Plato's *The Republic* can serve as an introduction to almost all the issues that are central to our western philosophical tradition. The problems of virtue (temperance, courage, wisdom), justice, order (social, political and cosmological), knowledge, the nature of the psyche, beauty, and of reality in general will all arise in the study of this text, providing a good basis for discussion.

**PHIL 1611 (3CR)**  
**SELF, SOCIETY AND FREEDOM**

Format: Lecture/Discussion 3 Hours

This course will examine various accounts given of 'the self' in the history of ideas. What values can be accorded to human beings are dependent upon our accounts of the nature of the self, especially in relations: social, political, intellectual, emotional. The main theme to be explored will revolve around the issue of whether freedom is anything more than an illusion formulated to control the population.

**PHIL 1651 (3CR)**  
**THE CHANGING IMAGE OF NATURE**

Format: Lecture/Discussion 3 Hours

Our intellectual heritage is laced with shifting and conflicting attitudes towards "Nature" which impact everything from how we can come to know about nature, scientifically, to ethical implications for how human beings relate to other natural beings. This course will use readings from the history of western philosophy, especially from the early modern era, to assess the extent to which we have inherited these convictions or developed alternatives to them.

**PHIL 2401 (3CR)**  
**INTRODUCTORY AESTHETICS**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from the Humanities 1600 Series; or permission of the Department

An introduction to the idea of beauty in such thinkers as Plato, Aquinas, Kant, and Heidegger. Topics to be discussed include the relationship of beauty to truth, the experience of the sublime, and the philosophy of art.

**PHIL 2511 (3CR)**  
**INTRODUCTORY PHILOSOPHY OF SCIENCE**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from Humanities 1600 Series; or permission of the Department

Successful science claims to give us *knowledge* of what *exists* in the universe, and it claims to *explain why* what happens in a given localized system happens. The italicized words in the last sentence indicate philosophical assumptions within science which this course will explore. Based on historical cases, philosophical interpretations will be compared from logical positivism to Kuhnian paradigms, and the most recent critiques from social constructivism and feminism.

**PHIL 2611 (3CR)**  
**INTRODUCTORY LOGIC I**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from Humanities 1600 Series; or permission of Department

A study of and exercise in the elementary forms of focussed thinking. Specific topics include the nature of categorical formulation, the techniques for distinguishing valid from invalid reasoning (deductive inference), and the principles violated in typical varieties of fallacious reasoning.

**PHIL 2621 (3CR)**  
**INTRODUCTORY LOGIC II**

Format: Lecture/Discussion 3 Hours

Prereq: PHIL 2611; or permission of the Department

A study of and exercise in more advanced forms of focused thinking. Specific topics include the Greek understanding of the basis and goal of learning (inductive inference) and the modern logical reinterpretation of deductive, inductive, and fallacious reasoning.

**PHIL 2701 (3CR)**  
**INTRODUCTORY ETHICS**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from Humanities 1600 Series; or permission of the Department

An introduction to the history and philosophical problems of ethics in the western tradition. This will acquaint the student with a number of received traditions based on metaphysical, religious, rational, and pragmatic grounds, as well as introduce certain fundamental perennial problems of moral decision-making.

**PHIL 2801 (3CR)**  
**INTRODUCTION TO METAPHYSICS**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from Humanities 1600 Series; or permission of the Department

An introduction to the study of metaphysics understood broadly as the study of the fundamental nature of reality. This will include the study of various themes including the nature of substance, divinity, causation, appearance and reality, the one and the many, mind and matter, as they appear in the discussions of the world's great philosophers from Lao Tzu to Shankara, and from Aristotle to Bertrand Russell.

**PHIL 3000 (6CR)****ANCIENT PHILOSOPHY**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from 2000-level Philosophy; or permission of the Department

The issues which develop before and with Plato establish the framework for all subsequent philosophic reflection. This course will examine some of these issues as they appeared prior to Plato and will employ these "pre-Socratics" as an entry into Plato's philosophy. Subsequently, aspects of Aristotle's thought will be explored as alternatives to and developments of Plato's philosophy.

**PHIL 3221 (3CR)****MODERN PHILOSOPHY: THE RATIONALIST TRADITION**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from 2000-level Philosophy; or permission of the Department

An investigation of the leading seventeenth century continental thinkers who formulated the great a priori systems. The capacity and function of human reason fully to understand the world is a theme common to these thinkers, and constitutes one of the major concerns of the course, a concern balanced by investigation of why these systems have reached such diverse answers to the substantive issues of how the world is to be understood.

**PHIL 3231 (3CR)****MODERN PHILOSOPHY: THE EMPIRICIST TRADITION**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from 2000-level Philosophy; or permission of the Department

An investigation of the thought of the English language thinkers of the seventeenth and eighteenth centuries. These authors, among whom are to be counted Locke, Berkeley and Hume, in part may be understood as reacting to the a priori tradition examined by Philosophy 3111. But they also make claims that are not merely reactive, and the extent to which one or more of them proposes a coherent interpretation of the extent and the limitations of human understanding will be investigated.

**PHIL 3331 (3CR)****MODERN SOCIAL AND POLITICAL PHILOSOPHY**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from 2000-level Philosophy; or permission of the Department

An investigation of the early foundations of modern political liberalism with a special concentration on the concepts of the state of nature, autonomy, and social contract. Authors considered will include: Machiavelli, Hobbes, Hume, Spinoza, Locke, Mill and Rousseau.

**PHIL 3421 (3CR)****NINETEENTH CENTURY AMERICAN PHILOSOPHY**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from 2000 level Philosophy; or permission of the Department

A study of the principles of the American spirit as early formulated in the works of such authors as Thomas Paine and Thomas Jefferson, Benjamin Franklin and Walt Whitman, H.D. Thoreau and R.W. Emerson. Central to the American spirit is the concern for individuality and practicality.

**PHIL 3451 (3CR)****TWENTIETH CENTURY AMERICAN PHILOSOPHY**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from 2000-level Philosophy; or permission of the Department

A study of selected American thinkers from Henry Adams to the present, including William Faulkner and John Dewey.

**PHIL 3511 (3CR)****PHILOSOPHY OF THE LIFE SCIENCES**

Format: Lecture/Discussion 3 Hours

Prereq: Normally Philosophy 2511 is expected. However B.Sc. students already doing 3/4000 level work in their own field, and students in either the Environmental Science or Environmental Studies programs, will be admitted; or permission of the Department

In recent decades the philosophical assumptions underlying the life sciences have been seen increasingly as distinct from the physical sciences. This course will examine this difference as well as the linkage between them, then turn to the philosophical issues within evolutionary theory, the notion of species and problems of classification, persistent controversies surrounding sociobiology, genetic control, use of animals in research, and the application of bioethics.

**PHIL 3631 (3CR)****SYMBOLIC LOGIC I**

Format: Lecture/Discussion 3 Hours

Prereq: Three credits from 2000-level Philosophy; or permission of the Department

This is a basic course in Symbolic Logic, concentrating on the nature of logic, methods of deduction, quantification theory, and the logic of relational statements.

**PHIL 3641 (3CR)****SYMBOLIC LOGIC II**

Format: Lecture/Discussion 3 Hours

Prereq: PHIL 3631; or permission of the Department

Building upon the work of Philosophy 3631, this course considers axiomatic systems (mainly Russell's), metalogical induction (regarding consistency, completeness, independence, and the like), axiomatic set formation (mainly Zermelo's), and theory of logic.

**PHIL 3711 (3CR)****BIOMEDICAL ETHICS**

Format: Lecture/Discussion 3 Hours

Prereq: Philosophy 2701; or permission of the Department

This course will consist of the examination of a number of contemporary issues, such as gene therapy, abortion, reproductive technologies, euthanasia, HIV testing and confidentiality, organ retrieval, and advanced directives. In a framework of health, we will discuss larger philosophical questions such as: the possibility of assigning and comparing values, the nature of the human self, the possibilities of agency and responsibility, duties to society, gender and health, the meanings of technology, and social justice. While the focus of this course is not on ethical theory, we will make use of classical moral theories and principles to frame our analyses.

PHIL 3721 (3CR)

ENVIRONMENTAL ETHICS

Format: Lecture/Discussion 3 Hours

Prereq: PHIL 2701; or permission of the Department

After reviewing traditional attitudes toward the environment, this course



PHYS 1551 (3CR)  
GENERAL PHYSICS II  
Format:

PHYS/COMP 3361 (3CR)

PHYS 3821 (3CR)

QUANTUM MECHANICS I

Format: Lecture/Discussion 3 Hours

Prereq: PHYS 3811 and MATH 2221; or permission of the Department

This course is an introduction to formal quantum mechanics: the matrix formulation, harmonic oscillator, perturbation theory, two-state systems, multiparticle systems, and an introduction to the general theory of angular momentum.



PHYS 4911 (3CR)  
CURRENT TOPICS IN PHYSICS

Format: Seminar

Prereq: PHYS 3811; or permission of Department

This course will introduce students to current topics and trends in physics which are not represented in other courses in the curriculum. This will be a seminar format course with sessions led by students, faculty and guest speakers. A key part of the course will be development of skills for identification and critical evaluation of primary literature in physics.

PHYS 4951 (3CR)  
SPECIAL TOPICS

Format: Independent Study/Term Paper

Students may select up to two three credit courses from topics to be approved by the Department. This choice is normally available only to fourth year Physics students.

PHYS 4990 (6CR)  
HONOURS THESIS

Format: Independent Study/Thesis

Normally, a student electing this course is expected to accomplish work equivalent to any fourth year course. Students are encouraged, but not

the appropriate Department or Programme Coordinator must be obtained.

## POLITICAL SCIENCE COURSES

POLS 1000 (6CR)

INTRODUCTION TO POLITICAL SCIENCE

Format: Lecture 3 Hours

An introduction to the principal areas of study in political science. This includes the nature of politics, the government of Canada, political institutions, and international relations.

POLS 2001 (3CR)

DEMOCRATIC THOUGHT

Format: Lecture/Discussion 3 Hours

Prereq: POLS 1000; or permission of the Department

Exclusion: POLS 2001 (Issues in Political Thought)

An introduction to democratic thought from its origins in the ancient polis through to its modern incarnation in the writings of Rousseau, Tocqueville, John Stuart Mill and in debates among selected contemporary theorists. Particular emphasis will be placed on the central conflict between participatory and elite models of democratic citizenship.

POLS 2101 (3CR)

CANADIAN GOVERNMENT AND POLITICS

Format: Lecture/Discussion 3 Hours

Prereq: POLS 1000; or permission of the Department

An introduction to the major issues of public policy in Canada, and their treatment by the federal government.

POLS 2201 (3CR)

GOVERNMENT OF THE U.S.A.

Format: Lecture/Discussion 3 Hours

Prereq: POLS 1000; or permission of the Department

A study of political institutions and practices in the United States of America.

POLS/INLR 2301 (3CR)

TOPICS IN INTERNATIONAL RELATIONS

Format: Lecture/Discussion/Group Projects 3 Hours

Prereq: POLS 1000; or permission of the Department

Note: This course is cross-listed as INLR 2301 and may count as 3 credits in either discipline.

A study of the major issues and themes in international relations, including the nature of war and the conditions of peace.

POLS 3001 (3CR)

ANCIENT POLITICAL THOUGHT

Format: Lecture/Discussion 3 Hours

Prereq: POLS 1000 or 3011; or permission of the Department POLV 147.5In or N47.558 Tm (Formrnat2f1n of T or N4t Mill 049phasis will be 136.18it



## PSYCHOLOGY

Psychology is the scientific study of mind and behaviour. It is a biological, a social, and a cognitive science. As a biological science, it studies the physiological mechanisms and evolutionary origins of mental and behavioural phenomena. As a social science, it studies personality and interpersonal relations and their bases in social interaction, cognition and emotion. As a cognitive science, it studies such processes as sensation and perception, abstract thinking, reasoning, language, and memory. Developmental psychology combines all three aspects in taking for its subject matter the total life span. The objectives of psychological study are to understand human nature, for its own sake,

**PSYC 2001 (3CR)****RESEARCH DESIGN AND ANALYSIS I**

Format: Lecture 3 Hours, Laboratory 1 Hour

Prereq: PSYC 1001 and PSYC 1011 and at least second-year standing; or permission of the Department

Exclusion: MATH 2311

A lecture and laboratory course in which basic design principles involved in the scientific approach to empirical research and data collection are considered. The use of descriptive and inferential statistics to evaluate the results of carefully planned research is also described.

**PSYC 2011 (3CR)****RESEARCH DESIGN AND ANALYSIS II**

Format: Lecture 3 Hours, Laboratory 1 Hour

Prereq: PSYC 1001, PSYC 1011, PSYC 2001 and at least second-year standing; or permission of the Department

Exclusion: MATH 2321, PSYC 2101 (Research Design and Analysis)

This course covers the research process from the development of simple and complex research designs to statistical analyses of the data collected. Topics covered include analysis of variance, correlation analysis, and nonparametric approaches. A statistical software package is introduced. This course will include both lectures and tutorials.

**PSYC 2101 (3CR)****BIOPSYCHOLOGY**

Format: Lecture 3 Hours, Laboratory 1 Hour

Prereq: PSYC 1001 and 1011 and at least second-year standing; or permission of the Department

Exclusion: PSYC 2051 (Introduction to Brain and Behaviour)

In this lecture and laboratory course, students will be provided with a basic foundation in the neural bases of behavior. Topics will include the role of evolution and genetics in the development of the nervous system, the structure and function of the nervous system, and the biological bases of perception, movement, eating, drinking, sleeping and dreaming, sexual behaviour, addiction and reward, and memory.

**PSYC 2111 (3CR)****DRUGS AND BEHAVIOUR**

Format: Lecture 3 Hours

Prereq: PSYC 1001 and 1011 and second-year standing; or permission of the Department

Principles of pharmacology, neural transmission, behavioural assessment of drug effects, theories of addiction, tolerance, and dependence will all be explored as a conceptual introduction to behavioural pharmacology. Specific psychopharmacologic issues will be discussed for alcohol, benzodiazepines, barbiturates, opiates, psychomotor stimulants, caffeine, tobacco, hallucinogens, and antipsychotic drugs.

**PSYC 2121 (3CR)****BEHAVIOUR MODIFICATION**

Format: Lecture 3 Hours

Prereq: PSYC 1001 and 1011 and at least second-year standing; or permission of the Department

Exclusion: PSYC 2011 (Learning and Memory)

Basic concepts and theories involved in the psychology of learning, the analysis of behaviour and behavioural assessment will be discussed in the context of real life problems. Applications of behaviour modification and behaviour therapy will be discussed in terms of problems associated with parenting, development of social skills, education, disabilities, health and other issues.

**PSYC 2201 (3CR)****COGNITIVE PROCESSES**

Format: Lecture 3 Hours, Laboratory 1 Hour

Prereq: PSYC 1001 and 1011 and at least second-year standing; or permission of the Department

Exclusion: PSYC 3021 (Cognition)

This lecture and laboratory course provides an overview of mental processes and activities used in perceiving, learning, remembering, thinking, and understanding. This course will offer students an opportunity to explore current information processing models and their applications. Some of the topics surveyed include attention, memory, language, neurocognition and thinking and reasoning.

**PSYC 2301 (3CR)****SOCIAL PSYCHOLOGY**

Format: Lecture 3 Hours, Laboratory 1 Hour

Prereq: PSYC 1001 and 1011 and at least second-year standing; or permission of the Department

Exclusion: PSYC 3081 (Social Psychology)

A lecture and laboratory course introducing students to the field of social psychology. Topics covered will include social cognition, attitudes, prejudice and discrimination, interpersonal attraction, social influence, helping and aggression, and group processes.

**PSYC 2401 (3CR)****CHILD DEVELOPMENT**

Format: Lecture 3 Hours

Prereq: PSYC 1001 and 1011 and at least second-year standing; or permission of the Department

Exclusion: PSYC 2031 (Introduction to Developmental Psychology)

An overview of social, cognitive, and biological development during infancy and childhood. Some of the topics covered include the development of perception, memory, emotions, and family and peer relationships.

**PSYC 2411 (3CR)****ADOLESCENCE**

Format: Lecture 3 Hours

Prereq: PSYC 1001 and 1011 and at least second-year standing; or permission of the Department

Exclusion: PSYC 3031 (Stages of Psychological Development)

An overview of social, cognitive, and biological development during adolescence. Some of the topics covered include puberty, identity, peer groups, and adolescent sexuality.

PSYC 2421 (3CR)

PSYC 3111 (3CR)  
CONDITIONING  
Format:

PSYC 3801 (3CR)

EDUCATIONAL PSYCHOLOGY

Format: Lecture 3 Hours

Prereq: PSYC 1001 and 1011 and at least 2 courses in Psychology at the 2000 level plus at least third-year standing; or permission of the Department

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**PSYC 4701 (3CR)****ADVANCED TOPICS IN PERSONALITY**

Format: Seminar 3 Hours

Prereq: PSYC 2701; at least two courses in Psychology at the 3000 level plus at least third-year standing; or permission of the Department

Exclusion: PSYC 4071 (Advanced Topics in Personality)

This course presents an in-depth examination of theory and research pertinent to a topic of current interest in the field of Personality.

**PSYC 4903 (3CR)****HONOURS SEMINAR**

Format: Seminar 2 Hours

Coreq: PSYC 4990; or permission of the Department

A seminar for honours students in Psychology that will involve consideration of metatheoretical, psychometric, and ethical issues that inevitably arise in the course of virtually any type of psychological inquiry. In addition to the critical evaluation of classic articles on these topics, students will make periodic presentations of their own ongoing research, which will be open to all members of the Department.

**PSYC 4950/4951 (6/3CR)****DIRECTED STUDY ON SPECIAL TOPICS**

Format: Independent Study

The course is intended to enable advanced students to pursue their interests in areas not covered by other classes offered at the 4000 level. Students must consult with the faculty member whom they wish to supervise their work, and obtain his or her consent, before attempting to register for this course. The prerequisites (or corequisites) will be determined by the nature of the work the student wishes to do.

**PSYC 4990 (6CR)****HONOURS THESIS**

Format: Independent Study/Thesis

Prereq: PSYC 3001 and 3091; or permission of the Department

The senior thesis will involve an experimental research project carried out in close consultation with a member of the Department.

**RELIGIOUS STUDIES**

Religion deals with the most basic and ultimate questions of human existence: the meaning and purpose of life; the presence of death, sorrow and anxiety; the existence of God; questions of morality and justice; the possibilities of transcendence, salvation, and liberation for individuals and communities. Religion plays a central role in the construction of human cultures and societies, motivating and legitimating social, political, and ethical action. Religion has been and continues to be a powerful influence in literature, the arts, and history, as well as in current civil and global conflicts.

Religious Studies as an academic discipline does not indoctrinate in any religious tradition (though it may certainly help students clarify their own thinking and convictions). Rather, it takes a scholarly and analytical approach, and, as such, is open to students from all backgrounds, secular and religious. The academic study of religion examines the various religious traditions of the world, east and west, in their historical and contemporary contexts. It explores the various ways in which religion shapes culture and history, forms values, and authorizes human action. Thus Religious Studies is an integral part of the liberal arts curriculum.

Courses in Religious Studies are divided into three streams: Eastern Traditions (Hinduism, Buddhism, East Asian Religions), Western Traditions (Judaism, Christianity, Islam), and Religion and Culture. Introductory courses (at 1000 and 2000 level) lay the foundation for focused study of particular traditions and for courses that explore how religion relates to themes in the wider culture - such as in the arts, gender issues, and ethics (at 3000 and 4000 level).

The Humanities 1600-series is intended to provide an introduction to Humanities disciplines. These three-credit courses offered by the participating disciplines of Classics, History, Philosophy and Religious Studies are designed to acquaint beginning students with the methodologies typical of these disciplines and to familiarize them with the approaches taken as well as the sorts of themes pursued and questions raised in these disciplines.

Further information is available on request from the Department Office, Room 112, Hart Hall (364-2556).

**RELIGIOUS STUDIES ELECTIVES**

Those who wish to do electives may choose from Religious Studies courses in the 1600 series: 1641, 1651, and 1671; or from 2401, 2801, 2811, 2821, 2831, or 2841; or with appropriate prerequisites, several other courses in the Department.

**Disciplinary B.A. Programmes**

MINOR in Religious Studies is 24 credits earned as follows:

- 6 from the Humanities 1600 Series
- 6 from Religious Studies at the 2000 level
- 12 from Religious Studies at the 3/4000 level, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in Religious Studies is 60 credits earned as follows:

- 6 from the Humanities 1600 Series

- 6 Religious Studies 2401 and 2801
- 3 Religious Studies 3901
- 6 from Religious Studies 3001, 3101
- 6 from Religious Studies 3501, 3601, or 3701
- 15 from 3/4000 level Religious Studies courses, with at least 6 from 4000 level Religious Studies courses
- 18 credits from complementary courses in Arts and Letters, Humanities and Social Sciences, which may include further 2000 level Religious Studies courses, chosen in consultation with the Programme Advisor

HONOURS in Religious Studies is 72 credits earned as follows:

- 60 credits as in the Major, plus:
- 6 from Religious Studies 4990
- 6 from Religious Studies at the 3/4000 level, chosen in consultation with the Programme Advisor

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

RELIGIOUS STUD gft be

**RELG 2841 (3CR)**  
**THE APOCALYPTIC CONSCIOUSNESS**

Format: Lecture 3 Hours

Exclusion: RELG 2031

A study of the apocalyptic consciousness in ancient documents and in modern thought, particularly with reference to ideas about the Day of Judgment and Second Coming. In addition to biblical and non-biblical texts, students will reflect on contemporary portrayals of the apocalyptic image in art, literature and film. Modern manifestations of the apocalyptic cult will be explored, with specific reference to cults of expectation.

**RELG 3001 (3CR)**

**HINDUISM**

Format: Lecture 3 Hours

Prereq: RELG 2401; or permission of the Department

Exclusion: RELG 3261

A study of Hinduism, examining its origins, history, philosophy, and culture. The course will treat ancient, classical, medieval and modern periods, and conclude with a discussion of the challenges facing contemporary Hinduism.

**RELG 3101 (3CR)**

**BUDDHISM**

Format: Lecture 3 Hours

Prereq: RELG 2401; or permission of the Department

Exclusion: RELG 3271

A study of Buddhism, examining its origins, history, philosophy and cultures. The course will treat the three major strands of classical Buddhism, and conclude with an analysis of the growing phenomenon of Western Buddhism.

**RELG 3301 (3CR)**

**RELIGIONS OF CHINA**

Format: Lecture 3 Hours

Prereq: RELG 2401; or permission of the Department

This course will study the religious traditions of China, examining the basic ideas and concepts underlying Chinese religion and the ways in which these ideas were implemented. The course will look in detail at both Confucianism and Daoism, at Chinese folk religion, and at the adaptation of Buddhism to China. It will conclude with an evaluation of the current state of religion in China.

**RELG 3311 (3CR)**

**RELIGIONS OF JAPAN**

Format: Lecture 3 Hours

Prereq: RELG 2401; or permission of the Department

This course will study the religious traditions of Japan, examining the underlying ideas and concepts of Shinto, including its relation to Shamanism, the nature and role of Kami, the role of purity and aesthetics, and its political functions. The introduction and adaptation of Buddhism and its relation to Shinto will be discussed, as will the modern day "new religions" which form such a vital part of contemporary Japanese religious practice. The influence and roles of Confucianism and Daoism will also be briefly covered.

**RELG 3411 (3CR)**

**GENDER ISSUES IN EASTERN RELIGIONS**

Format: Seminar 2 Hours

Prereq: RELG 2401; or permission of the Department

Exclusion: RELG 3900, 4280

This course examines the role that gender plays in the context of myths, scriptural texts, rituals and doctrine, in the major religious traditions of the East. Attention will be paid to such matters as sexuality and sexual orientation, the body, feminism and other critical approaches, political rights and responsibilities, access to religious experience, and spiritual leadership.

**RELG 3501 (3CR)**

**JUDAISM**

Format: Lecture 3 Hours

Prereq: RELG 2801, or 2811; or permission of the Department

Exclusion: RELG 3241

This course examines the roots and various expressions of Judaism in the ancient world up to the destruction of Jerusalem by the Romans in 70 CE and the rise of Rabbinic Judaism. Jewish life in the medieval world and the Islamic East, as well as the emergence of Kabbalah, are also discussed. The course then examines the emergence of various expressions of modern Judaism, including religious Zionism. The core convictions, sacred texts, institutions, and practices of Judaism will be analyzed within these historical contexts.

**RELG 3601 (3CR)**

**CHRISTIANITY**

Format: Lecture 3 Hours

Prereq: RELG 2801 or 2831; or permission of the Department

Exclusion: RELG 2511

A consideration of the central beliefs and forms of the Christian tradition in terms of their origins and relevance for today.

**RELG/HIST 3611 (3CR)**

**CHRISTIANITY IN THE ROMAN EMPIRE**

RELG/HIST 3631 (3CR)

CHRISTIANITY IN THE REFORMATION ERA

Format: Seminar 2 Hours

Prereq: RELG 3601 or 3611 or 3621 or third or fourth year History Major; or permission of the Department

Note: This course is cross-listed as HIST 3631 and may therefore count as three credits in either discipline.

A consideration of the reasons for and impact of the divisions in Christianity instituted by the Protestant Reformation.

RELG/HIST 3641 (3CR)

CHRISTIANITY AND MODERN STATES

Format: Seminar 2 Hours

Prereq: RELG 3601 or 3611 or 3621 or third or fourth year History Major; or permission of the Department

Note: This course is cross-listed as HIST 3641 and may therefore count as three credits in either discipline.

Exclusion: RELG/HIST 3641 (The Modern Church)

A consideration of how secularization has occurred in various modern states and of the sphere of influence that remains for religion in these circumstances.

RELG 3661 (3CR)

THE CHRISTIAN TRADITION AND THE UNIVERSITY

Format: Lecture 3 Hours

Prereq: RELG 2801 or 3601; or permission of the Department

Exclusion: RELG 2601

This course will introduce students to a consideration of the relationship between the Christian tradition and the origins and philosophy of the university, science, education and the liberal arts. The student will be encouraged to explore the complex inter-relatedness of litterae and religio and scientia, especially the creative tensions among these ways of knowing.

RELG 3701 (3CR)

ISLAM

Format: Lecture 3 Hours

Prereq: RELG 2801; or permission of the Department

Exclusion: RELG 3291

This course traces Islam from its origins in the life and activities of Mohammed through to contemporary world Islam and its diverse responses to the challenges of "modernity" and the West. The world view, institutions, rituals, and practices of Islam will be studied within these changing historical and cultural contexts. Effort will be made throughout to gain insight into the religious, spiritual impulses which animate Islam and unite devout Muslims.

RELG 3811 (3CR)

GENDER ISSUES IN WESTERN RELIGIONS

Format: Seminar 2 Hours

Prereq: RELG 2801; or permission of the Department

Exclusion: RELG 3900, 4280

This course examines the role that gender plays in the context of myths, scriptural texts, rituals and doctrine, in the major religious traditions of the West. Attention will be paid to such matters as sexuality and sexual orientation, the body, feminism and other critical approaches, political rights and responsibilities, access to religious experience, and spiritual leadership.

RELG/PHIL 3891 (3CR)

ORIENTAL THOUGHT

Format: Lecture/Discussion 3 Hours

Prereq: Six credits in Philosophy; or permission of the Department

Note: This course is cross-listed as PHIL 3891 and may therefore count as three credits in either discipline.

A study of the ancient trends of Oriental literature in the light of western philosophical concerns. Readings include the Hindu Bhagavad-gita, the Chinese Tao Te Ching, and selected Buddhist writings.

RELG 3901 (3CR)

THEMES AND THEORIES IN RELIGIOUS STUDIES

Format: Lecture 3 Hours

Prereq: RELG 2401, 2801; or, permission of the Department. This is a required course for all Majors and Honours students in Religious Studies, and is recommended for those taking a Minor.

This course examines various kinds of religious phenomena, including mystical experience, sacred texts, religious ethics, and ritual, and explores the different ways they are understood and interpreted in the discipline of Religious Studies. Major theoretical approaches, including text-historical, phenomenological, gender-critical, philosophical, cultural-critical, are explored and critically assessed for their value in the study of religion.

RELG 3911 (3CR)

CONTEMPORARY ETHICAL ISSUES (WESTERN)

Format: Seminar 2 Hours

Prereq: RELG 2801 or 3601 or PHIL 2701; or permission of the Department

Exclusion: RELG 3541

A consideration of the nature of ethics will be followed by exploration of some of the most prominent contemporary ethical issues, such as abortion, euthanasia, ecology, gay rights, racism, and sexism.

RELG 3921 (3CR)

**RELG 3941 (3CR)**  
**RELIGION, REVOLUTION AND VIOLENCE**

Format: Lecture 2 Hours

Prereq: RELG 2401 and 2801; or permission of the Department

Exclusion: RELG 3231

This course examines the development and historical manifestations of ideologies of violence and nonviolence within the major world religions, with special attention to how these ideologies continue to play themselves out in contemporary global and national conflicts.

**RELG 3951 (3CR)**

**ETHICS IN BUSINESS**

Format: Lecture 3 Hours

Prereq: Open to third and fourth year students; or permission of the Department

Exclusion: RELG 3550

A consideration of how ethics is and may be involved in business practice for individuals and corporations.

**RELG 3961 (3CR)**

**ETHICS IN BUSINESS CULTURE**

Format: Lecture 3 Hours

Prereq: Open to third and fourth year students; or permission of the Department

Exclusion: RELG 3550

A consideration of the challenges posed for business ethics by the power of the limited liability corporation and its expansion into the transnational corporation and the global economy as reflected in the World Trade Organization.

**RELG 3971 (3CR)**

**RELIGION IN FILM**

Format: Lecture 2 Hours, Laboratory 2.5 Hours

Prereq: RELG 2401 and 2801; or permission of the Department (RELG 2811 and 2821 are also strongly recommended)

This course examines the cultural legacy and/or influence of various religious traditions and scriptural texts in the modern medium of film. It begins, with an examination of some great religious "epics", and then considers more recent cinematic treatments of religious themes and figures.

**RELG 3981 (3CR)**

**RELIGIOUS ETHICS AND THE ENVIRONMENT**

Format: Seminar 2 Hours

Prereq: RELG 2401; or permission of the Department

What role does religion play in our interaction with the environment? This course examines various religious perspectives on nature and environmental ethics. Focusing primarily on Eastern traditions, the course begins by reviewing the concept and place of nature in various religions, and then critically examines scholarship which applies religious perspectives to issues in environmental ethics. We will also consider the religious basis of certain environmental thinkers and movements.

**RELG 4401 (3CR)**

**HINDUISM AND BUDDHISM IN LITERATURE**

Format: Seminar 2 Hours

Prereq: RELG 3001 or 3101; or permission of the Department

A seminar-style course treating several genres of Hindu and Buddhist literature. The course will begin with a study of classical texts, such as the Hindu epics and the Buddhist canon, and will conclude with a discussion of contemporary literary works.

**RELG 4411 (3CR)**

**ADVANCED STUDIES IN EASTERN THOUGHT**

Format: Seminar 2 Hours

Prereq: RELG 3001 or 3101; or permission of the Department

A seminar-style course on Eastern philosophies, focusing on the traditions of Hinduism and Buddhism. The course will examine both classical systems of thought and their modern interpretations.

**RELG 4421 (3CR)**

**EASTERN RELIGIONS AND THE CHALLENGE OF MODERNITY**

Format: Seminar 2 Hours

Prereq: RELG 2401 and either 3001 or 3101; or permission of the Department

A senior-level course studying the contemporary state of Eastern Religions. The course will discuss the recent histories of the Eastern Religions, looking at the challenges of science, the impact of colonialism, movements of political independence, and issues of poverty and social justice. It will particularly study these traditions' encounter with the West, and their responses to the cultural exchange that ensues from this encounter.

**RELG 4601 (3CR)**

**RECENT CHRISTIAN THOUGHT**

Format: Seminar 2 Hours

Prereq: RELG 3601; or permission of the Department

Exclusion: RELG 3531

Consideration of influential directions in recent theology with focus on approaches such as secular theologies, political theologies, liberationist theologies, feminist theologies, environmental theologies, process theologies, and post-modern theologies.

**RELG 4801 (3CR)**

**MODERN WESTERN CRITIQUES OF RELIGION**

Format: Seminar 2 Hours

Prereq: RELG 2831; or permission of the Department

Exclusion: RELG 3521

Consideration of challenges to religion by prominent modern thinkers such as Hume, Kant, Hegel, Marx, Feuerbach, Darwin and Nietzsche.

**RELG 4821 (3CR)**  
**SACRED TEXTS IN WESTERN RELIGIONS**

Format: Seminar 2 Hours

Prereq: RELG 2811 or 2821, and one of 3501, 3601, or 3701; or permission of the Department

Exclusion: RELG 3251

This course examines the phenomena of "sacred text" (scripture) and "sacred tradition" within Judaism (Torah), Christianity (New Testament), and Islam (Quran). The course addresses questions of the origin of sacred texts and how they nourish the religious, cultural, and social life of a community. It explores how diverse Jewish, Christian, and Muslim communities at different periods in their histories have made fresh appropriations of the scriptural tradition through various strategies of interpretation.

**RELG 4841 (3CR)**  
**SEXUALITY AND THE BIBLICAL TRADITION**

Format: Seminar 2 Hours

Prereq: RELG 2811 and 2821; or permission of the Department

This course will focus on the history of sexuality in the biblical and post-biblical traditions. The course examines, first, the Bible's treatment of the subject of sex (including bodily purity, reproduction and sexual orientation) through the close reading of biblical texts. It then looks at the Bible's influence on this subject in the history of Judaism and Christianity, and, finally, in the modern, secular era.

**RELG 4950/4951 (6/3CR)**  
**DIRECTED STUDY ON SPECIAL TOPICS**

Format: Independent Study

Prereq: Permission of the Department

Independent reading and study under the direction of a member of the Department.

**RELG 4990 (6CR)**  
**HONOURS THESIS**

Format: Independent Study/Thesis

Prereq: Permission of the Department

Independent research and thesis writing under the direction of a member of the Department, for students in the Religious Studies Honours programme.

## SOCIOLOGY

Sociology involves the study of people as they interact with one another in varied social, structural, cultural and historical contexts. Sociology provides information on the social world, introduces students to different perspectives on social life, and offers training in specific research skills. It expands our horizons, challenges us to think critically about the world around us, and prepares us to participate in that world. First and second year sociology courses provide an overview of the discipline and an introduction to sociological analysis. Third year courses emphasize theoretical approaches, analytical methods, and their application to major substantive areas of sociological interest. Fourth year courses allow students to work with greater interdependence and in more depth on a range of sociological topics.

### Disciplinary B.A. Programmes

MINOR in Sociology is 24 credits earned as follows:

- 3 from Sociology 1001
- 3 from Sociology 2001
- 6 from Social Sciences at the 1/2000 level
- 12 from Sociology at the 3/4000 level, chosen in consultation with the Programme Advisor

MAJOR AREA OF STUDY in Sociology is 60 credits earned as follows:

- 3 from Sociology 1001
- 6 from Social Sciences at the 1/2000 level
- 3 from Sociology 2001
- 3 from Sociology 3301
- 6 from Sociology 3001, 3011
- 12 from Sociology at the 3/4000 level
- 6 from Sociology at the 4000 level
- 3 further credits in Sociology
- 18 credits from complementary courses in Social Sciences, Humanities, Arts and Letters, and Psychology or Mathematics 2311, 2321, 3311, 3321 chosen in consultation with the Programme Advisor

HONOURS in Sociology (Thesis Option) is 66 credits earned as follows:

- 42 credits as in the first eight lines of the Major, plus:
- 18 from Sociology at the 3/4000 level chosen in consultation with the Programme Advisor
- 6 from Sociology 4990

HONOURS in Sociology (Course Option) is 66 credits earned as follows:

- 42 credits as in the first eight lines of the Major, plus:
- 24 from Sociology at the 3/4000 level, including 6 from the 4000 level, chosen in consultation with the Programme Advisor

Note: The Honours Average will be calculated on all courses required for Honours that have been taken above the 1000 level.

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## SOCIOLOGY COURSES

SOCI 1001 (3CR)

**SOCI 3221 (3CR)****WORK AND SOCIETY**

Format: Lecture/Discussion/Group Work/Student Presentations 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

In this course, the nature and meaning of work in relation to changes in the position of the professions, unions, government, women and minority groups, in industrial and post-industrial societies will be examined. The course will also include consideration of topics such as the relations between work and the family, work and gender, and work and politics. While focusing on work in Canada, this examination will be located in broader international trends and processes.

**SOCI 3301 (3CR)****SOCIOLOGICAL RESEARCH METHODS**

Format: Lecture /Discussion/Group Projects/Laboratory 3 Hours

Prereq: SOCI 1001, 2001 and 6 credits in Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3301

This is a course in sociological research methodology, including a consideration of questions of social epistemology and research design. Students will gain practical experience in doing social research through the conducting of surveys, participant observation, content analysis, case studies, and other techniques.

**SOCI 3331 (3CR)****FIELD COURSE IN SOCIOLOGY**

Format: Lecture/Discussion 3 Hours

Prereq: Permission of the Department

This course is designed to provide students with an intensive field experience, during which they pursue research on a topic to be chosen by the Instructor. As such, the course is not designed to be offered during normal term time, but is available to students through Continuing Education. Completion of SOCI 3301 (Sociological Research Methods) is recommended before registering for this course.

**SOCI 3431 (3CR)****CRITICAL MEDIA ANALYSIS**

Format: Lecture/Discussion/Case Studies/Group Projects 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3431

An advanced research course on the media-based control of information and dissemination of ideologies in modern society. The course will examine issues of ownership and control of the media and the social construction of news. Students will examine in detail current theoretical debates in cultural studies and media analysis.

**SOCI 3441 (3CR)****SOCIOLOGY OF KNOWLEDGE**

Format: Lecture/Discussion/Group Projects 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3441

This course focuses on the relationship between ideas and their social and cultural contexts. The course will critically examine various forms of knowledge, including common sense, scientific knowledge, and feminist epistemology.

**SOCI 3451 (3CR)****DYNAMICS OF POPULAR CULTURE**

Format: Lecture/Discussion/Group Projects 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3451, 2421

An investigation of the process and forms of contemporary popular culture. Students will be introduced to the major theoretical debates in the field of popular culture. In addition, the course will examine the development of popular cultural expression.

**SOCI 3501 (3CR)****POLITICAL SOCIOLOGY**

Format: Lecture/Discussion/Group Work/Student Presentations 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

This course examines the relationship between society and politics, the interactions between individuals and governments. Processes of nationalism, trans-nationalism and civil society are investigated from a social constructionist perspective and with an awareness of agency and structure. The major dimensions to be explored include: power, state and nationhood; globalization and civil society; and political discourse, rhetoric and rituals. The course will draw on a variety of theoretical perspectives and use Canadian and international examples.

**SOCI 3521 (3CR)****COMMUNITIES**

Format: Lecture/Discussion/Student Presentations 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3521

A review of the sociological literature on rural, small-town, and urban social organization with special emphasis on the notion of "community" in Canadian society.

**SOCI 3601 (3CR)****SCIENCE, TECHNOLOGY AND SOCIETY**

Format: Lecture/Discussion 3 Hours

Prereq: SOCI 1001 and 9 credits from PHIL 1651, PHIL 2511, 3511, RELG 1651, Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3601

An analysis of the social processes associated with science and technology. The course will consider such topics as: the social dynamics of scientific and technical communities; the social processes of technical invention, diffusion, and control; and the role of technology in the work-place and the household.



**SOCI 3611 (3CR)**  
**ENVIRONMENTAL CONTROVERSIES**

Format: Lecture/Discussion 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3611

A course in the sociology of environmental controversies with particular attention to the social processes involved in the genesis, development, maintenance, containment, and decay of environmental controversies. This includes a consideration of the role of a range of social factors in controversies, including: science, technology, the media, public constituencies, the law, public hearings, environmental assessments, and bureaucracies.

**SOCI 3631 (3CR)**  
**SOCIOLOGY OF CYBERSPACE**

Format: Lecture/Discussion 3 Hours

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3631

A course in the sociology of cyberspace, considering the social-structural, cultural, and interactional dimensions of cyberspace and the information society. Cyberspace will be treated in the broader context of the role of information in society, and the theories of the relationship between communication technologies and social structures. The usefulness of the term cyberspace as well as its commercial hype and pop cultural status will be examined.

**SOCI 3911 (3CR)**  
**INTERMEDIATE SPECIAL TOPICS IN SOCIOLOGY**

Format: Lecture/Discussion, Seminar Or Independent Study

Prereq: SOCI 1001 and 9 credits in the Social Sciences at the 1/2000 level; or permission of the Department

Exclusion: SOAN 3911

An intermediate course which focuses on topics not covered by current course offerings in Sociology, or topics not covered in depth in the courses offered.

**SOCI 4001 (3CR)**  
**SOCIOLOGICAL THEORY**

Format: Seminar 3 Hours

Prereq: SOCI 3001, 3011, 3301; or permission of the Department

Exclusion: SOAN 4001

An advanced discussion of sociological theory based on major works of selected sociologists.

**SOCI 4031 (3CR)**  
**FEMINIST PERSPECTIVES**

Format: Lecture/Discussion/Group Projects 3 Hours

Prereq: SOCI 3001, 3011, 3301; or permission of the Department

Exclusion: SOAN 4031

This advanced seminar course examines the nature of feminist methodological approaches and theoretical analyses. Students will explore feminist contributions on a variety of issues.

**SOCI 4101 (3CR)**  
**CLASS, STATUS AND PARTY**

Format: Seminar 3 Hours

Prereq: SOCI 3001, 3301 and 3 additional 3000 level credits in Sociology; or permission of the Department

Exclusion: SOAN 4101

An advanced discussion of the economic, social and political dimensions of structured social inequality. Canadian content will be used where appropriate.

**SOCI 4511 (3CR)**  
**SOCIAL ORDER AND SOCIAL CHANGE**

Format: Lecture/Discussion/Case Studies/Group Projects 3 Hours

Prereq: SOCI 3001, 3301 and 3 additional 3000 level credits in Sociology; or permission of the Department

Exclusion: SOAN 4511

An advanced seminar on the nature and maintenance of social order in society. The course examines the way in which the combination of coercion and consent leads to the maintenance of power on the part of elite groups, and the suppression of dissent from other groups. In addition, strategies for social change are assessed sociologically.

**SOCI 4531 (3CR)**  
**EDUCATION AND SOCIETY**

Format: Seminar 3 Hours

Prereq: SOCI 3001, 3301 and 3 additional 3000 level credits in Sociology; or permission of the Department

Exclusion: SOAN 4531

A research seminar in the sociology of education in Canada. Topics covered include educational credentialism; education and social mobility; access to post-secondary education; the increasing significance of professionalism; educational institutions; and educational subcultures.

**SOCI 4601 (3CR)**  
**THE SOCIAL DYNAMICS OF SCIENCE AND TECHNOLOGY**

Format: Seminar 3 Hours

Prereq: SOCI 3001, 3301; or 9 credits from 3601, 3611, GEOG 3211, PHIL 2511, 3511; or permission of the Department

Exclusion: SOAN 4601

An advanced course in science and technology studies.

**SOCI 4901 (3CR)**  
**ISSUES IN SOCIOLOGY**

Format: Seminar 3 Hours

Prereq: SOCI 3001, 3301 and 3 additional 3000 level credits in Sociology; or permission of the Department

Exclusion: SOAN 4901

A study of specific issues in Sociology.

**SOCI 4911 (3CR)**  
**ADVANCED SPECIAL TOPICS IN SOCIOLOGY**

Format: Seminar 3 Hours

Prereq: SOCI 3001, 3301 and 3 additional 3000 level credits in Sociology; or permission of the Department

Exclusion: SOAN 4911

An advanced course which focuses on topics not covered by current course offerings in Sociology, or topics not covered in depth in the courses offered.

SOCI 4990 (6CR)

HONOURS THESIS

Format: Thesis

Prereq: Permission of the Department

**SOCIOLOGY/ANTHROPOLOGY**

Note: Interdisciplinary Major Area of Study and Honours in

Note: The Honours Average will be calculated on all courses required for Honours that have been taken above the 1000 level.

Note: The listing of a course in the calendar is not a guarantee that the course is offered every year.

Note: Students must obtain a grade of at least C- in all courses used to fulfill prerequisite requirements. Otherwise, written permission of the appropriate Department or Programme Coordinator must be obtained.

## SPANISH STUDIES

See Modern Languages and Literatures, Hispanic Studies

## WOMEN'S STUDIES

Women's Studies is an interdisciplinary programme with a critical focus on social, cultural, economic, and political issues from the perspective of gender. Drawing on a substantial body of scholarship that challenges many of the assumptions and methods of traditional academic disciplines, Women's Studies creates new perspectives from which all students may analyze such issues as work, health, sexuality, violence, family, race, class and ethnicity. The curriculum of the Minor in Women's Studies includes core courses in Women's Studies and elective courses in the following departments: History, Sociology, Anthropology, Geography, Religious Studies, Philosophy, English, Classics, Psychology, Political Science, Canadian Studies and Modern Languages and Literatures. The core courses provide an introduction to the principles of Women's Studies as well as a more advanced study of the theoretical and methodological approaches of feminism.

MINOR in Women's Studies is 24 credits earned as follows:

12 from Women's Studies 2001, 3001, 3021, 4001

WOST 3001 (3CR)

FEMINIST THEORIES

Format: Lecture/Discussion 3 Hours

Prereq: WOST 2001; or permission of the instructor

This course provides a comparative and critical analysis of various feminist theories developed as explanatory frameworks for the understanding of the gender divisions within society. The course will review major feminist critiques of conventional approaches, and will

# 10 CO-CURRICULAR LIFE

## 10.1 THE STUDENT UNION

The Student Union of Mount Allison is governed by the Students' Administrative Council (SAC). This a body of elected and appointed persons who represent, organize, and plan for the interests of the students. However, the wider Mount Allison community benefits from many of the activities the SAC pursues.

The SAC represents the students through council with representatives from on and off campus, and the six member executive. There are also many other positions, appointed through the SAC, that allow any student the opportunity to get involved. Many positions receive compensation in the form of small honoraria. The SAC also employs an administrator and an office manager to aid in its work. The SAC is located in the University Centre.

Some of the services and events provided by the SAC include:

- Organizing Orientation, Homecoming and Winter Carnival
- Photocopying and faxes (pay as you play)
- Examination File
- Student Directories and the Allisonian Yearbook
- MAST (Mount Allison Student Tutoring)
- Dances, speakers, entertainment...AND MORE!!

The SAC also sponsors and promotes the Clubs and Societies (C&S) of Mount Allison. These are a great asset and a wonderful way to become involved on campus. They include:

- Academic Departmental C&S (e.g. Commerce Society, Fine Arts Society)
- Political C&S - Young PC's, Young Liberals and Young NDP's
- Musical C&S - Chapel Choir, Conservatory Chorale, Ethel Peake Memorial Society, Mount Allison Brass Ensemble, etc.
- Blue/Green Society (Environmental)
- Eurhethorian Society (Debating)
- Garnet and Gold Society (Musical Theatre group)
- Mount Allison Christian Fellowship
- Society of All Nations (SAN)
- World University Services of Canada (WUSC)

Any student wishing to form a club or society can do so and should go to the SAC Office for help getting started. Athletic clubs and intramurals are all run through the Athletics Department. Students have widespread representation on the campus, including membership on the Board of Regents (governing body) and Senate (academic body). Full-time students are also enrolled as members of the New Brunswick Student Alliance.

## 10.2 THE ARGOSY WEEKLY

This weekly newspaper has been published for over 125 years by an all-student staff. The newspaper is editorially independent of both the University administration and the Student Administrative Council.

## 10.3 CHMA FM

In 1985 the CHMA Radio Station was converted to FM Stereo frequency. Mount Allison is one of the smallest universities to have an FM radio station. The staff (from the announcers to the technicians) consists mainly of students and members of the Sackville community,

all working under a full-time Station Manager. The Station is funded by students fees and advertising revenues and reaches a listening audience of over 15,000.

## 10.4 GARNET AND GOLD SOCIETY

The Garnet and Gold Society offers students a chance to take part in the production of a major musical. Students coordinate all aspects of the production, which is usually presented early in the new year.

## 10.5 WINDSOR THEATRE

This theatre group puts on major productions each term, some of which are created by members of the Mount Allison community.

## 10.6 STUDENT ENTERTAINMENT OFFICE

This branch of the S.A.C. co-ordinates all campus entertainment. In addition to the usual dances, movies, live bands, and cultural performances, a number of popular special events are also offered. These include Orientation Week, Homecoming, Junior Prom, Winter Carnival and Graduation events.

## 10.7 RESIDENCE COUNCIL

All students living in the University's various residences elect house councils and executives. These bodies organize house events and co-ordinate social activities. Each House Council President sits on Residence Council, a body which represents residential concerns to the Dean of Students.

## 10.8 THE TANTRAMARSH CLUB

The campus pub, established in 1974, is a vibrant venue for social gatherings. The pub is the only permanently licensed facility on campus and offers to its members a giant T.V. screen, pool tables, a dance floor and weekly special events.

## 10.9 STUDENT EMPLOYMENT

Part time job opportunities are plentiful at Mount Allison. Students may earn extra income through employment with Food Services, the Library, the Campus Police, Residence Staff, Bar Services, the Tantramarsh Club and various academic departments. Contact the Academic and Career Counsellor in Student Life for more details.

## 10.10 ACCOMMODATION

### 10.10.1 Residences

Mount Allison is a residential university with housing facilities available for approximately 50% of the student population. Each residence is unique and provides a positive living and learning environment, which promotes a balanced university experience. All first-year students who want to live in residence are guaranteed accommodation.

Since 1973 the University has offered co-ed residence facilities to its students. Bennett, Bigelow, Hunton, Trueman, Windsor, the Satellites and Bermuda House offer single and double rooms while Edwards, Harper and Thornton have single rooms. Campbell Hall, new in 2004-2005, offers single rooms with ensuite bathrooms. Some co-ed residences are divided by floor or by wing, while others have male and female rooms integrated on the same floor.



of faith in university life. It stands as a reminder that the university is committed to nurturing students as whole human persons.

While founded under Methodist direction, Mount Allison upholds freedom of religion and creeds. Chapel worship and activities are ecumenical by design; the Office of the Chaplain is intended to be an ecumenical appointment, responsive to the many Christian denominations represented on campus. The Chaplain is open to

## 10.14 COUNSELLING SERVICES

### 10.14.1 Personal Concerns

There are a number of options for students who wish to talk in confidence about a personal problem.

The personal counsellors and the Chaplain are available to provide confidential assistance for a variety of personal issues including anxiety, depression, alcohol or drug use, sexuality, relationships, sexual assault, family dysfunction and grief. The need for psychiatric and other mental health services can be assessed through the personal counsellors.

Emergencies: In an emergency, students may contact Student Life, the Sackville hospital or the psychiatrist-on-call at the Moncton hospital.

### 10.14.2 Sexual Harassment

The University's Sexual Harassment Advisor is available to provide education on sexual harassment and assault and to receive complaints from students, staff and faculty. The Advisor has copies of the University's policies and upon request will advise those who contact her about the options available both on and off campus.

### 10.14.3 Career Choice Concerns

The University Career Resource Centre is located in the basement of the University Centre and houses information on graduate and professional programmes, careers and study and work abroad programmes. Information is available on occupational profiles, labour market trends, resumé writing, job search techniques and preparing for interviews. Workshops are also available on career related issues throughout the academic year. The Academic and Career Counsellor offers guidance with career exploration through individual career counselling and interest and skill surveys which help students answer the following questions:

What career do my abilities lead to?

What career or study path do my interests lead to?

What can I do with my undergraduate degree?

Where should I go to pursue this career?

What does the future hold for the profession I am interested in?

### 10.14.4 Employment

All job postings received by the Academic and Career Counsellor are posted on <<http://www.workopolisCampus.com>> which is a free web service accessible to all students. Some hard copies of job postings are placed on a notice board outside the Student Life Office. A variety of internships and on- and off-campus career and summer employment opportunities, both part-time and full-time, are posted. Applications and additional information are available in the Student Life Office, in the basement of the University Centre. In addition, the Academic and Career Counsellor coordinates the visits of employers to campus. For further information contact the Academic and Career Counsellor.

### 10.14.5 Financial Concerns

University bursaries, student loan applications and personal budgetary and financial management may be discussed with the Financial Aid Counsellor in the Office of Student Services. Academic scholarships and prizes should also be discussed with the Financial Aid Counsellor in the Office of Student Services. For information on Scholarships and Financial Aid, go to <<http://www.mta.ca>> and choose prospective or current student.

### 10.14.6 Dietary and Nutritional Concerns

A dietitian visits campus one day per week for appointments to discuss balanced diets, nutrition and healthy living. She may be contacted through Student Life.

### 10.14.7 Lifestyle Concerns

Information, materials and programmes on health, lifestyle choices, stress management, sexuality, birth control, AIDS, sexually transmitted diseases, alcohol, drugs, and similar concerns, are available through Student Life Programmes will be presented on request.

### 10.14.8 Landlord/Tenant Concerns

Students with inquiries about landlord/tenant relations or leases are encouraged to contact the Dean of Students, or the Office of the Rentalsman in Moncton.

### 10.14.9 First-year Off-Campus Students

Student Life engages a student to help coordinate the activities of first-year off-campus students. The goal of the group is to help involve new non-residence students in campus life and to ensure as warm an introduction to Mount Allison as possible. The student coordinator can be reached through Student Life.

### 10.14.10 International Students

Students who come to Mount Allison from other countries are very important members of the University community. A special International Orientation is held for them when they arrive to help them with their adjustment to Canada through information sessions answering their specific needs. The International Student Advisor is available throughout the year to help international students with any kinds of problems they might have such as cultural adjustment and personal, academic or immigration problems. A comprehensive health insurance plan for international students is available through this office as well. The International Student Advisor also oversees Mount Allison's policy on racism which protects international students' rights not to be discriminated against because of race, colour, ethnic or national origin, place of origin or ancestry, and works with several student clubs and committees on projects which promote multiculturalism on campus.

### 10.14.11 Governance

Since 1989, students have been subject to the student governance system described in the document Policies and Procedures for Student Governance, which is available from the SAC or Student Life. The Dean of Students is available to explain to students how the governance system works and what students' rights are under the system. All students admitted to the University agree to abide by, and be subject to, the regulations as outlined in this document. The University reserves the right to suspend or dismiss any student for infractions of the regulations. Neither the University nor any of its regents or officers shall be under any liability whatsoever because of such action.

### 10.14.12 Health Services

The Student Health Centre, located in Sprague House, is a confidential, nonjudgemental health service that strives to reduce health barriers for young adults living away from home. The Centre is staffed by a receptionist and a Registered Nurse/Educator to serve the health needs



of Mount Allison students. This health service provides health education, health promotion initiatives, clinical services, and referrals, as appropriate.

The offices of six local doctors are located in close proximity to the campus. Students are encouraged to make appointments with the doctors as necessary. Emergencies are dealt with at the Out-Patient Department of the Sackville Hospital.

A dietitian is available each week on campus. Appointments may be made at Student Life.

Because most students have health insurance through parental plans, the University does not have a mandatory health insurance programme for Canadian students. Health insurance is mandatory for international students. Students are strongly urged to ensure that they have adequate coverage. A list of health insurance options is available from Student Life.

## 10.15 SERVICES FOR STUDENTS WITH DISABILITIES

### 10.15.1 Policy on Students with Disabilities

Mount Allison University is proud to be an institution that welcomes and supports a diverse student body. To this end, Mount Allison is committed to providing a supportive and challenging environment for students with disabilities, and, where warranted and without compromising academic standards, will provide reasonable accommodations.

The Office of Student Life and the Meighen Centre (Learning Disabilities) offer a range of services to support the academic needs of students with disabilities. The Meighen Centre offers a range of services to students with learning disabilities and all inquiries related to learning disabilities should be addressed to this office. Student Life coordinates services to students with disabilities other than learning disabilities. Inquiries should be addressed to Student Life.

Copies of the University's Policy on Students With Disabilities may be obtained from Student Life and from the Meighen Centre and it may be viewed at [www.mta.ca/departments/sss/policies/disabilities.html](http://www.mta.ca/departments/sss/policies/disabilities.html).

### 10.15.2 Student Life

The Student Life Office provides services to students with disabilities other than learning disabilities who are currently attending Mount Allison University. To receive service, students must present appropriate documentation.

Services include academic counselling, personal counselling, instruction and ongoing support in learning and organizational strategies, liaison with food services and arrangements for accommodations for writing tests and examinations when appropriate.

Students with a disability other than a learning disability who are applying for admission to Mount Allison are strongly encouraged to identify themselves on the application form. As well, they should make contact with the Student Life Office as early as possible in the admissions process.

Students currently attending Mount Allison who have been previously identified with disability other than a learning disability and who want to access support services should contact the Academic and Career Counsellor at (506) 364-3256.

### 10.15.3 Meighen Centre for Learning Assistance and Research

The Meighen Centre for Learning Assistance and Research provides academic assistance to students currently registered at Mount Allison University who have been professionally assessed and found to have a Learning Disability.

Services include academic counselling, learning strategies instruction, peer tutoring, consultation, access to text books on audio tape and arrangements for special accommodations for writing tests and examinations when appropriate.

Students with a learning disability who are applying for admission to Mount Allison are strongly encouraged to identify themselves on the application form. As well, they should make contact with the Meighen Centre as early as possible in the admissions process.

Students currently attending Mount Allison who have been previously identified with a learning disability and who want to access support services should contact the Coordinator of the Meighen Centre at (506) 364-2527.



# 11 GENERAL

**E. RUTH COGSWELL MEMORIAL FUND**

A fund established by the family and friends of Elva Ruth Cogswell (B.A. '84) in 1986. The annual income provides books related to the field of Canadian Studies.

**JULIA COLPITTS MEMORIAL FUND**

A fund established in memory of Julia T. Colpitts, 1899, by her brother, Edwin H. Colpitts, 1893. The income from this fund is used to purchase Mathematics books.

**THOMAS EARLE COLPITTS MEMORIAL FUND**

A fund established in 1969 to commemorate the teaching career of Thomas Colpitts, class of 1879, by his granddaughter, Dr. Olga Bishop, class of 1938, to be used to purchase books in the field of Education.

**THE CONNECTICUT RIVER VALLEY ALUMNI SOCIETY ENDOWMENT FUND**

The income from the fund is used to purchase books in the field of Chemistry.

**DONALD DARRACH MEMORIAL FUND**

A fund established in memory of Dr. Donald Darrach, by his wife, Typhenia Tuplin, L.C. 1870-71.

**LEON ESTABROOKS MEMORIAL FUND**

A fund established in memory of Leon Estabrooks, class of 1951, by his parents, the income from which is used for books in the fields of Arts and Crafts.

**THE MARGARET EVANS MEMORIAL LIBRARY FUND**

A fund established in 1971 from a bequest from the estate of William Benton North Evans, the income to be used to purchase materials on church and organ music.

**THE GLENDENNING FUND**

A fund established by Reverend G.W.F. Glendenning, class of 1884, and Mrs. Glendenning (Ellen Bent, L.C. 1882-83), the income from which is to be used for books in English Literature.

**DONALD T. GOODWIN FUND**

A fund established in 1980, the income of which is for books in Canadian Studies.

**JACK K. GRAINGER MEMORIAL FUND**

A fund established in 1988 by Mrs. Jean Grainger and the Grainger family in memory of Jack K. Grainger (B.A. '33, M.A. '34), a former member of the Board of Regents. The annual income is for books relating to English and History.

**ANN HENDERSON MEMORIAL FUND**

A fund established in memory of Ann Henderson, class of 1959, for books in the field of Music.

**THE THOMAS HICKS FUND**

A fund established in 1939 by a bequest of Reverend Thomas Hicks (1853-1932) upon the death of his wife in January 1939.

**HOLDER/STROTHARD MEMORIAL FUND**

A fund established in 1984 by Dr. Clinton H. and Kathleen Strothard Holder in memory of their parents. The income is to be used by the Department of Chemistry for library acquisitions.

**MARY ANN HOWARD MEMORIAL FUND**

A fund established by her son, the Rev. Samuel Howard (B.A. '84, B.D. '95, D.D., '23), and the Rev. William J. Howard (B.A., '88, B.D. '91). The income is to be used for books in Canadian Studies.

**DOROTHY HUNTON LIBRARY MEMORIAL FUND**

A fund established in 1978 to commemorate the work of Dorothy Hunton in promoting literature for boys and girls in the community. The income is used to purchase children's classics, new and old.

**S.C. LAWRENCE IP LIBRARY FUND**

A fund for the purchase of materials on U.S. foreign relations, established in April 1973 by S.C. Lawrence Ip, a third year Arts student.

**THE CECIL RECORD JOHNS MEMORIAL LIBRARY FUND**

A fund established in 1969 by the family and friends of Cecil Record Johns, who was a faculty member of the Department of Music, 1927-1931. The income from this fund is to be used to purchase books in Music.

**THE DAVID W. JOHNSON AND JENNIE L. JOHNSON FUNDS**

Funds established in memory of Rev. D.W. Johnson, 1873 and Mrs. Johnson (Jennie L. Morse, M.L.A., 1872), by their sons, C.H. Johnson, 1898 and A.L. Johnson, 1903. The income from the former is for binding of periodicals and from the latter for books in Canadian Literature.

**PROFESSOR J. T. MACFARLANE LIBRARY FUND**

A fund established in 1991 at the time of Professor MacFarlane's retirement from Mount Allison University. The income is for Physics books.

**EDWIN ROBINSON MACHUM FUND**

A fund established in 1981 by a bequest from the estate of Mrs. Marion H. Bennett in memory of her father, Edwin Robinson Machum, who was a student and friend of the University, and, for many years, a member of the Board of Regents. The income is for books, preferably in English literature.

**MORTON MEMORIAL FUND**

The Morton Memorial Fund was established in 1977 by Dr. Harry S. Morton, O.B.E., LL.D., F.R.C.O.G., F.R.C.S., in memory of his grandfather, The Rev. Arthur Dwight Morton, B.A., 1864, M.A., 1870, D.D., 1903, and in memory of his father, Dr. Charles Stuart Morton, M.B.M.D. (Tor.), F.A.C.S., F.R.C.S., (C) and his mother, Maie Howard

Stafford, Ladies College 1900-1902. Eighty percent of the endowment interest is for books in Biology and History, at the discretion of the University Librarian. The balance of the income is returned to the Fund capital.

scientific packages. Several programming languages and many other course-specific programs are available. There is also CD-ROM based information offered in conjunction with the Ralph Pickard Bell Library and access to its on-line catalogue.

### 11.4.2 Campus Network

The campus network has a Gigabit Ethernet backbone, with switched Ethernet connections at the desktop. Thirty-six campus buildings are connected to the campus fibre-optic network. All offices, class rooms, and student residence rooms have network jacks. The University is a member of the NB/PEI Educational Computer Network (ECN) and has a multi-megabit ATM connection to other ECN institutions and the Internet. A Gigabit connection from campus to Ca\*Net 4 is available as well.

### 11.4.3 Residence Networking

A high speed network connection is available for a small fee to all students living in residence who have a computer.

### 11.4.4 Computing Services

Computing Services manages and maintains the University's computing and network resources, and provides advisory and training assistance to all members of the university community through the Helpdesk, student lab advisors and residence network consultants.

## 11.5 MOUNT ALLISON UNIVERSITY BOOKSTORE

Textbooks and materials required for courses offered by Mount Allison University are available for sale at the Bookstore located in the Fawcett Building at 10 King Street, Sackville. The Bookstore is owned by Mount Allison University with the object to make textbooks and required course materials available to students at the lowest possible prices. Prices are currently discounted between 5-25% below suggested publisher prices.

Hours of operation are normal working hours 8:30 a.m. to 4:30 p.m. with extended hours in September. Payment may be made by cash, cheque, VISA, Mastercard and Interac direct payment. Credit card orders may be placed on our secure website found at <<http://bookstore.mta.ca>>. Students staying in residence can opt for the Books on Beds delivery service before classes begin in September and January.

## 11.6 BANKING SERVICES

Branches of the Royal Bank of Canada and the Bank of Nova Scotia are located in Sackville. Twenty-four hour banking facilities are available at both branches as well as ATM service in the University Centre.

## 11.7 PERFORMING ARTS SERIES

Each year the University helps sponsor a series of performances by groups and artists distinguished in the field of high quality entertainment. Mount Allison students have the opportunity to reserve tickets for these performances on specially favourable terms. Full details are available in the Performing Arts Series Brochure supplied to students each September.

# 12 PERSONNEL

## 12.1 OFFICERS

Erin Steuter, Sociology  
Robert Thompson, Biochemistry  
Gary Tucker, Music  
Michael Tucker, Political Science  
Brad Walters, Geography

## STUDENT REPRESENTATIVES

Sara Bergen  
Kirsten Cornelson  
Matthew Grant  
Katie Kaufman  
Bill McIntyre  
Joshua Smith

## ASSOCIATE MEMBERS

Jack Drover, Athletic Director  
Bill Killorn, President, S.A.C.  
Ankit Kapur, Vice-President Academic Affairs, S.A.C.  
John David Stewart, Vice-President Administration

## 12.4 OFFICERS OF ADMINISTRATION

President and Vice-Chancellor  
A. Wayne MacKay, B.A., B.Ed., M.A., LL.B.  
Special Assistant to the President  
Jennifer Boyle, B.A.  
Secretary to the Board of Regents and NAC  
Linda R. Wheaton





Clair, Thomas, B.Sc. (Mount Allison); M.Sc. (Ottawa); Ph.D. (McMaster); Adjunct Professor of Biology

Currie, Suzanne, B.Sc. (Acadia); M.Sc., Ph.D. (Queen's); Assistant Professor

Evans, Matthew, B.Sc. (Calgary); Ph.D. (Simon Fraser); Assistant Professor

Giberson, Donna J., B.Sc. (Calgary); M.Sc., Ph.D. (Manitoba); Adjunct Professor of Biology

Hansen, Gay, B.Sc., M.Sc. (Acadia); Part-time Lecturer in Biology

Ireland, Robert John, B.Sc. (Hatfield Polytechnic); Ph.D. (London); Professor of Biology

Kaczmarek-Ehrman, Irena, M.Sc., Ph.D. (Jagellonian); Professor of Biology

Locke, Andrea, B.Sc., M.Sc. (Guelph); Ph.D. (Toronto); Adjunct Professor of Biology

Stewart, John M., B.Sc. (Saskatchewan); M.Sc. (Regina); Professor of Biochemistry

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