



# ACADEMIC CALENDAR

## 2022-2023 edition

### Part III: Academic Degrees, Programs and Courses

# 11 ACADEMIC PROGRAMS

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

achieved third year standing or upon completion of 54 credits .  
Students can change their choice of program after further consultation with a Program Advisor. A 'Declaration/Change of Major/Minor' form is available on the Mount Allison University website.

Those opting to do an Honours Program must declare their intention by December of the year in which they are registered with third year standing by completing a 'Declaration of Intention to Pursue Honours' form available on the web.

Students must consult with the Department Head or Program Co-ordinator with respect to ap



### 11.2.17 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 11.2.4, this requirement can be satisfied by completing the courses specified in any one of the named Minors listed in 11.2.21, (or under 11.3.24) according to one of the options outlined in 11.2.18 through 11.2.20.

### 11.2.18 Disciplinary Minor

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.

### 11.2.19 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 ap

## Interdisciplinary

- American Studies
- Canadian Studies
- Cognitive Science
- Economics and Mathematics
- Environmental Studies
- International Relations
- Modern Languages, Literatures and Cultures
- Women's and Gender Studies

## 11.2.24 Complementary Courses and Prerequisites

If a course prerequisite or the requirements of a Major or Honours program specifies complementary courses from Arts and Letters, Humanities, or Social Sciences, courses from the following departments and programs fall within these groups:

### Arts and Letters

- Art History
- Drama
- English
- Fine Arts
- French Studies
- German Studies
- Hispanic Studies
- Japanese Studies
- Linguistics
- Music
- Visual and Material Cultures

### Humanities

- Canadian Studies
- Classics
- Community Engaged Learning
- Greek
- History
- Indigenous Studies
- Latin
- Philosophy
- Religious Studies
- Visual and Material Cultures
- Women's and Gend

Biology  
Chemistry  
Computer Science  
Data Science  
Geogr

### 11.3.15 Interdisciplinary Major

An Interdisciplinary Major consists of a selection of courses worth 60 to 84 credits. This type of Major gains its coherence from a theme, or approach he c



## 11.3.26 Honours Programs Av

its defense by the candidate's Thesis Examining Committee. 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 six months to meet these conditions.

### 11.4.7 Master of Science Course Listing

BIOL5991 (3.00 CR)

GRADUATE LEVEL TOPIC IN BIOLOGY

Format: Variable

Prereq: Registration in the M.Sc program and permission of the Department Head and course instructor

CHEM5991 (3.00 CR)

GRADUATE LEVEL TOPIC IN CHEMISTRY

Format: Variable

Prereq: Registration in the M.Sc program and permission of the Department Head and course instructor

MSCI5990 (0.00 CR)

GRADUATE THESIS

Format: Independent Study/Thesis

Prereq: Registration in the M.Sc. program

## 11.5 BACHELOR OF COMMERCE

### 11.5.1 Primary Objective

The primary objective of the Mount Allison University Commerce program is to explore with students the nature of the business world, and thus help them acquire business knowledge and skills. 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. The Commerce program is designed to enable students to take courses in a variety of business subject areas (such as Accounting, Finance, Management, Marketing) while completing a Minor in a non-Commerce discipline. The Commerce degree at Mount Allison University is highly flexible, reflecting the diverse business society that students will enter after graduation.

### 11.5.2 Requirements for a Bachelor of Commerce Degree

In order to qualify for a Bachelor of Commerce degree, a student must complete 120 credits including:

- a) 6 credits earned in each of the two distribution areas of Arts and Letters and Humanities (see 11.5.3)
- b) A minimum of 39 credits from the 3/4000 level (see 11.5.4)
- c) 42 credits from the Commerce Degree Core Program requirements as listed in 11.5.5
- d) 27 additional Commerce elective credits, with at least 24 credits from 3/4000 level courses (see 11.5.6)
- e) Courses which satisfy the requirements of a Minor (see 11.5.7)

## 11.5.6 Commerce Electives on the Bachelor of Commerce Degree

In addition to the Commerce courses required for the Core, 27 credits from Commerce elective courses are required with at least 24 credits from 3/4000 level courses. All Commerce courses other than those in the Core of the program (see 11.5.5), as well as the following courses from other disciplines may also be counted as Commerce electives:

Economics 3201, 3211, 3301, 3601, 3711, 3921, 4501, 4521, 4611, 4621, 4711, 4721, 4801, 4811, 4821, 4990, Computer Scie

## 11.5.12 Commerce – Aviation offered in conjunction with MFC Training

This interdisciplinary program combines courses in accounting, finance, management and marketing as well as courses in math, economics, and computer science together with credit for aviation courses studied

- c) Prospective students should see the Department's website or contact the Department of Music directly for information about audition dates.

### 11.6.3 Requirements for Bachelor of Music Degree

In order to qualify for a Bachelor of Music Degree, a student must complete 120 credits including:

- a) 54 credits from the following required core:
- i) 42 credits from MUSC 1101, 1111, 1201, 1211, 1221, 1703, 2101, 2201, 2211, 2703 and MUSC, 2501, 2511, 3501, 4501
  - ii) 3 credits from MUSC 2111, 2121
  - iii) 3 credits from MUSC 3511, 3581, 3591; and 3 credits from MUSC 4511, 4581, 4591
  - iv) 3 credits from MUSC 1619-4619, 1639-4639, 1659-4659, 1669-4669
- b) 36-39 credits from the following Music electives:
- i) Theory and Composition (MUSC 2111, 2121, 2141, 2151, 2171, 3121, 3141, 3151, 3161, 3171, 4181)
  - ii) Music History and Literature (MUSC 2021, 3001, 3201, 3221, 3231, 3261, 3271, 3281, 4221)
  - iii) Music Education (MUSC 2301, 3301, 3311, 3321, 3331, 3341, 3351, 3361, 4311, 4361)
  - iv) Performance Electives (MUSC 1501, 1511, 1521, 1601, 1801, 1811, 2603, 2613, 3401, 3411, 3421, 3603, 3613, 3801, 3813, 4603, 4613, 4803 and MUSC 1619-4619, 1629-4629, 1639-4639, 1649-4649, 1659-4659, 1669-4669, 1689-4689, 1699-4699)
  - v) General Music Electives (MUSC 1991, 2991, 3991, 4991, 4951; these courses may be repeated if to



English  
Fine Arts  
French Studies  
German Studies  
Hispanic Studies  
Japanese Studies  
Linguistics  
Music  
Visual and Material Cultures

#### Humanities

Canadian Studies  
Community Engaged Learning  
Classics  
Greek  
History  
Indigenous Studies  
Latin  
Philosophy  
Religious Studies  
Visual and Material Cultures  
Women's and Gender Studies

#### Social Sciences

Commerce  
Economics  
Geography and Environment (GENV)  
Health Studies  
Indigenous Studies  
International Relations  
Political Science  
Sociology  
Women's and Gender Studies

#### Sciences

Biochemistry  
Biology  
Chemistry  
Computer Science  
Data Science  
Geography and Environment (GENS)  
Mathematics  
Physics  
Psychology

Note: For distribution requirement purposes, a maximum of 6 credits from Indigenous Studies (INDG) courses can be applied to meet the distribution requirements for either Humanities, Sciences or Social Sciences, or a combination of those three disciplines. Only those INDG courses cross-listed with GENS can be used.

Certificate program and any inquiries should be directed to the Department.

Les étudiants de Mount Allison capables de montrer qu'ils possèdent une bonne connaissance des deux langues officielles du Canada peuvent se présenter au concours du Certificat de bilinguisme. Ce certificat décerné lors de la remise des diplômes, fait foi que les étudiants ont démontré leur capacité de lire, d'écrire, d



medicine, dentistry, pharmacy, veterinary medicine, law, education,  
theology, social work, audiology and speech, occupational therapy,  
physiothe





# 12 PROGRAMS AND COURSES OF INSTRUCTION

This section provides alphabetically ordered descriptions of all Minor, Major and Honours programs, 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. Certificate programs are listed as a separate group at the end of this section.

**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. Other disciplines, as well as those listed in the calendar, may have additional requirements.

## 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 including food, shelter, and repopulation; and what worlds of meaning and e

ANTH3021 (3.00 CR)

CLASSICAL THEORY IN ANTHROPOLOGY

Prereq: ANTH 1011; 6 credits from ANTH at the 2000 level ; or permission of the Department

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, functionalism, culture and personality, cultural materialism, and ecological anthropolo

ANTH3701 (3.00 CR)

FORENSIC ANTHROPOLOGY

Prereq: ANTH 1011; 6 credits from ANTH at the 2000 level; or  
permission of the Department

This course focuses on the application o

ANTH4021 (3.00 CR)

CONTEMPORARY THEORY IN ANTHROPOLOGY

Prereq: ANTH 3311; 3 credits from ANTH 3021, 3031; 3 credits from ANTH at the 3000 level; or permission of the Department

This seminar course is an advanced consideration of theory in anthropology since 1980. It explores the emergence and impact of major national styles of anthropological thought as well as the contribution of key individuals. (Format: Seminar 3 Hours)(Exclusion: Any version of ANTH 4021 previously offered with a different title)

ANTH4311 (3.00 CR)

CRITICAL ETHNOGRAPHY

Prereq: ANTH 3311; 3 credits from ANTH 3021, 3031; 3 credits from ANTH 3800 series; or permission of the Department

An advanced seminar exploring the relationship between anthropological field r



ANTH4991 (3.00 CR)

SPECIAL TOPIC IN ANTHROPOLOGY

Prereq: 6 credits from ANTH at the 3000 level; or permission of the Department

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program.

[Note 1: Prerequisite set by the Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this designation, it must submit course information, normally at least three months in advance, to the Dean.

Note 3: Students may register for ANTH 4991 more than once, provided the subject matter differs.] (Format: Variable)

## ARTS

### ARTS COURSES

Note: The listing of a course in the Calendar is not a guarantee that the course is offered ever

## ART HISTORY

The Department of Fine Arts offers a B.A. with a Major or Minor in Art History. T

ARTH2991 (3.00 CR)  
SPECIAL TOPIC IN ART HISTORY  
This course either focuses on to

ARTH3241 (3.00 CR)

NINETEENTH CENTURY ART, PART TWO

Prereq: ARTH 2101 (or FINH 2101); ARTH/MUSE 2111 (or FINH 2111); 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). It includes art in a variety of media and pays particular attention to innovations in the production of photography and etching. It considers artistic movements such as Realism, Impressionism, Post-Impression and Art Nouveau. (Format: Lecture 3 Hours) (Exclusion: FINH 3241)

ARTH3991 (3.00 CR)

SPECIAL TOPIC IN ART HISTORY

Prereq: ARTH 2101 (or FINH 2101); ARTH/MUSE 2111 (or FINH 2111); or permission of the Department

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program. [Note 1: Prerequisite set by Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this designation, it must submit course information, normally at least three months in advance.]

MUSE2111 (3.00 CR)

CONTEXTS OF ART AND MUSEUM CULTURE

This course focuses on the cultural, historical, and critical contexts of art. It thematically explores aspects of v



## AVIATION

This interdisciplinary major covers basic geography and environmental science, mathematics and computer science, and physics, and upper level courses from these disciplines plus credit fo

BIOC1001 (3.00 CR)

INTRODUCTORY BIOCHEMISTRY

This course introduces current topics and advanc



BIOC3131 (3.00 CR)

ORGANIC CHEMISTRY: BIOORGANIC

Prereq: 3 credits from CHEM 2121, 3111; or permission of the  
Department

This course presents the principles of organic chemistry as they apply  
to biochemical problems. Topics covered include e

BIOC4903 (3.00 CR)

CURRENT ADVANCES IN BIOCHEMISTRY

Prereq: Take BIOC-4903F

Coreq: Take BIOC-4990

This is a seminar course for Honours students in Biochemistry, which critically evaluates a wide range of topics from the current literature. Students are expected to deliver seminars o



BIOL2701 (3.00 CR)

INTRODUCTORY DESIGN & STATISTICAL ANALYSIS

Prereq: 3 credits from BIOL 1001, 1501; 3 credits from MATH 1111,  
1151, 1311; or permission of the Department

This course intro

BIOL3201 (3.00 CR)  
ANIMAL PHYSIOLOGY; ADAPTATION AND ENVIR



BIOL3711 (3.00 CR)

BIOCHEMICAL ECOLOGY

Prereq: BIOL 2101; BIOC 2001; or permission of the Biology  
Department

This course deals with the biochemistry of interactions between animals, plants and microorganisms that occur in the natural environment. It places strong emphasis on the role of so-called "secondary metabolites" or "natural products" such as alkaloids, flavono

BIOL4111 (3.00 CR)

FIELD ECOLOGY

Prereq: BIOL 2101; 3 credits from BIOL 2701, 4711; or permission of the Department

This course introduces the basic principles of field ecology research, experimental design, and data analysis. It considers various techniques used in quantitative field ecology.



BIOL4621 (3.00 CR)

GENES, CELLS, AND DISEASE

Prereq: BIOL 3661; or permission of the Department

This course examines the genetic basis of ce

## BIOPSYCHOLOGY

This program aims to equip students with expertise and foundational skills in the fields of both biology and psychology. A truly interdisciplinary program, Biopsychology will allow students to study the strong links between human and animal biology and neuropsychology, with a focus on how physiology affects behavior and, in turn, how behavior influences physiology. From a biological standpoint, students will develop a solid foundation of knowledge and skills in anatomy, physiology, behaviour, and genetics. From a psychological standpoint, students will explore the biological and neural basis of the mind and behavior, and contextualize these phenomena within a social and cognitive framework. Studied together, each discipline illuminates salient aspects of the other, and gives learners the opportunity to cultivate and integrate meaningful connections and cross-disciplinary skills.

### Interdisciplinary B.Sc. Programs

MAJOR in Biopsychology is 75 credits earned as follows:

- 6 from PSYC 1001, 1011
- 6 from BIOL 1001, 1501
- fro

# CANADIAN PUBLIC POLICY

Se

ARTH 3021, 3031  
CLAS 3801  
COMM 3271  
DRAM 3301  
ECON 2301, 2311, 3201, 3211, 4501  
ENGL 2801, 3801, 3811, 3821, 3831, 3841, 4801  
MUSE 3321  
FREN 3761, 3771  
GENV 2101, 3111, 3201, 3211, 3511, 3531, 3801, 4201, 4521, 4821  
HIST 2411, 2421 (if not used in line 5 above), 3401, 3411, 3431  
(if not used in line 6 above), 3441, 3461, 3471, 3481, 3491, 3811,  
4411, 4420, 4441, 4461, 4901  
INLR 4201  
MUSC 3001  
POLS 2101, 2211, 3101, 3111, 3141, 3151, 4121, 4141, 4300  
SOCL 2111, 2211, 3521, 3531, 3541, 3551, 3711, 3721, 4551

HONOURS in Canadian Studies is 72 credits earned  
as follows:

- 60 credits as in the Major, plus
- 3 additional credits from 3/4000 level Canadian Studies
- 3 from CANA 4901
- 6 from CANA 4990

Courses c 279.104 535.n

CANA2501 (3.00 CR)

CONTEMPORARY ISSUES IN INDIGENOUS CANADA

Prereq: 3 credits from CANA 1001, 1011, INDG 1001; or permission of the Program Director

This course will explore contemporary issues facing Indigenous peoples within Canada with a focus on the current and continuing processes of colonialism, resistance, resurgence, and survivance. [Note 1: This course is cross-listed with INDG 2501 and may therefore count as three credits in either discipline.] (Format: Lecture 3 Hours)

CANA2801 (3.00 CR)

INDIGENOUS CANADA: A HISTORICAL SURVEY

Prereq: 3 credits from CANA 1001, 1011, INDG 1001; or the permission of the Program Director

This course explores the history of Indigenous peoples in Canada with a focus on the processes of colonialism, resistance, resurgence, and survivance. [Note 1: This course is cross-listed with HIST 2801 and INDG 2801 and may therefore count as three credits in any of the three disciplines.] (Format: Lecture 3 Hours)

CANA2991 (3.00 CR)

SPECIAL TOPIC IN CANADIAN STUDIES

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program. [Note 1: Prerequisite set by the Department/Program when the topic and lev

CANA3821 (3.00 CR)

THE INDIAN ACT: LAW, POLICY, AND FIRST NATIONS

Prereq: INDG 1001 and 3 credits from INDG at the 2000 level; or 6 credits from CANA 1001, 1011, and 3 credits from CANA at the 2000 level; or 6 credits from HIST at the 2000 level; CANA/HIST/INDG 2801 recommended; or permission of the Program Director

This course will focus on the origins, evolution, and co

CANA4901 (3.00 CR)

DIRECTED READINGS IN CANADIAN STUDIES

Coreq: CANA 4990; or permission of the Program Director

This course is required of honours students. It promotes bibliographic and information literacy skills and familiarizes students with the larger-scale organization of secondary literature in Canadian Studies. (Format: Seminar 3 Hours)

CANA4950 (6.00 CR)

INDEPENDENT STUDY IN CANADIAN STUDIES

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor who is w

Note: \*CHEM 3201 can be used as either a required course from MATH or as a 3000 level CHEM course, but not both.

Note: \*\*It is recommended that Chemistry Majors take Physics 1551 in their first or second year.

Note: Additional 3/4000 level courses are needed to fulfill Calendar regulation 11.3.5

## THE CHEMISTRY HONOURS PROGRAM

Students with a special interest in Chemistry and those who, after obtaining the B.Sc. degree, wish to pursue a M.Sc. degree, may apply for admission to the Honours Program in Chemistry.



CHEM2311 (3.00 CR)

INORGANIC CHEMISTRY I: CO-ORDINATION CHEMISTRY

Prereq: CHEM 1021; or permission of the Department

Lewis acid-base chemistry and applications to transition metals will b

CHEM3231 (3.00 CR)

PHYSICAL CHEMISTRY II: QUANTUM MECHANICS AND  
SPECTROSCOPY

Prereq: CHEM 2211; or PHYS 3701; or permission of the Department

This course is an introduction to the foundations of quantum mechanics  
(QM) within the framework of spectroscop

CHEM4141 (3.00 CR)

PHYSICAL ORGANIC CHEMISTRY

Prereq: CHEM 3111; CHEM 3231; or permission of the Department

This course examines the principles of bonding, structure, and mechanisms in organic chemistry. Topics include: models of bonding, acid/base catalysis, linear free-energy relationships, dynamic NMR, concerted reactions and orbital symmetry, transition-state theory and intramolecular dynamics, thermodynamics, and molecular motors.

(Format: Lecture 3 Hours) (Exclusion: CHEM 4111; any version of j1 0 0 1 276.47 39.41 Tm(,)EM 4111 Tm.91 0 0 1181.76.47 39.41Tm(ur)Tj1 0 43 718.7



- 36 from Classics, Greek, Latin, of which 24 must be from the 3/4000 level, and may include PHIL 3000, PHIL 3011
- 18 from complementary courses in Arts and Letters and Humanities (or others), chosen in consultation with the Program Advisor

HONOURS in Classical Studies is 72 credits earned as follows:

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

### CLASSICAL STUDIES 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 Head or Program Co-ordinator must be obtained.

#### CLAS1631 (3.00 CR) GREECE AND ROME: THE FOUNDATIONS OF WESTERN CIVILIZATION

This course surveys the political and social history of ancient Greece and Rome with a focus on the themes of Law, Politics, War, and Society. It pays particular attention to Athens in the fifth and fourth centuries B.C.E. and to Rome under Caesar Augustus. [Note 1: This course is cross-listed with HIST 1631 and may therefore count as 3 credits in either discipline.] (Format: Lecture 3 Hours)

#### CLAS1651 (3.00 CR) CLASSICAL MYTHOLOGY: GODS, GODDESSES, AND THE CREATION OF ORDER

This course introduces the gods and goddesses of classical myth in the literature, art, and religion of ancient Greece and Rome. It examines cosmogonies and divine myths in order to shed light on the views held by the Greeks and Romans about the nature of the relationship between mortal and immortal. (Format: Lecture 3 Hours)

#### CLAS1991 (3.00 CR) SPECIAL TOPIC IN CLASSICS

This course either focuses on to2sm7 not a cj1 0 0 1 191.7586825.268 Tm(o)Tj1 0 0 1 155.225 225.268 Tm(hiTj1 0 0 1 200.5476225.268 Tm(hiTj1 0 0 1 2



CLAS3501 (3.00 CR)

ARCHAEOLOGICAL FIELD COURSE

This course involves participation in an archaeological field project, through which students gain experience in archaeological methods such as site survey, supervised excavation, recording and interpretation of evidence, and the processing of finds. The field location varies according to the project. [Note 1: Permission of the Department is required. Note 2: This course is only available to students during the Spring/Summer term. Enrollment is limited and students should be aware of the additional costs of travel and participation f

CLAS3801 (3.00 CR)

DIGITAL METHODS IN THE HUMANITIES

Prereq: Second-year standing, any second-year course in Arts

This course introduces the tools and methods of Digital Humanities research. It surv



GREK2991 (3.00 CR)  
SPECIAL TOPIC IN GREEK

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program.

[Note 1: Prerequisite set by the Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this d

LATI2001 (3.00 CR)

INTERMEDIATE LATIN

Prereq: LATI 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 Latin, it also reviews basic Latin grammar and presents some more advanced gr

## COGNITIVE SCIENCE

Cognitive Science is an interdisciplinary program that seeks to further understand what the mind does and how it works. Incorporating perspectives from a variety of fields, it investigates how information is represented, processed, and transformed in b

## COMMERCE/RON JOYCE CENTRE FOR BUSINESS STUDIES

Note: The Minor and Major in Commerce on a B.A. program are outlined below. For a description of program requirements for completion of a B.Comm. Please see Section 11.5.

### Disciplinary B.A. Programs

MINOR in Commerce is 24 credits earned as follows:

- 6 credits from COMM 1011, COMM 1411
- 6 credits from ECON 1001, 1011 (or any 3 credits from a MATH or COMP course may be substituted in place of ECON 1001 or 1011)

COMM2131 (3.00 CR)

MANAGEMENT ACCOUNTING

Prereq: COMM 2101; or permission of the Department

An introduction to the principles and practices of management accounting, with a concentration on the de

COMM3211 (3.00 CR)

CONSUMER BEHAVIOUR

Prereq: COMM 2211; or permission of the Department

This course is an interdisciplinary investigation of the consumer  
d

COMM3401 (3.00 CR)

RESEARCH METHODS IN BUSINESS

Prereq: Third-year standing; 6 credits from COMM at the 2000 level;  
or permission of the Department

This course introduces students to the puc

COMM4201 (3.00 CR)

MARKETING STRATEGY

Prereq: Fourth-year standing; 6 credits from the 32/4200 series; or permission of the Department

The course provides an in-depth treatment of how market



COMM4331 (3.00 CR)

MANAGEMENT OF ORGANIZATIONAL CHANGE

Prereq: COMM 3341; or permission of the Department

A study of organizational change from two perspectives: planned change and evolutionary change. In discussing planne

COMM4950 (6.00 CR)

INDEPENDENT STUDY IN COMMERCE

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor w

CENL1001 (3.00 CR)

INTRO TO COMPASSIONATE COMMUNITIES

This course explores the concept of the compassionate community as a model for how communities mig

CENL4101 (3.00 CR)

**PRACTICUM IN COMMUNITY-ENGAGED LEARNING**

Prereq: 3 credits from CENL/RELG 1001, CENL 2001; CENL 2101; CENL 3101; or Permission of the department.

This course applies community-engaged learning methods and practices to an actual case or scenario in the student's local community. Students develop a project in cooperation with a community partner that forms a response to an existing problem that the student and partner have identified. Students and partners reflect on and evaluate the response and evaluate its future implications for the community. The practicum involves a learning environment where students' expertise in their major area of study can be brought together fully with community-engaged learning principles. [Note 1: Students may register for CENL 4101 more than once, provided the subject matter differs] (Format: Field course/experiential learning opportunity, 3 hours)

CENL4950 (6.00 CR)

**INDEPENDENT STUDY IN COMMUNITY ENGAGED LEARNING**

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study. [Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor who is willing to be a supervisor and must register for the course prior to the last day for change of registration in the term during which the course is being taken. Note 2: A program on Independent Study cannot duplicate subject matter covered through regular course offerings. Note 3: Students may register for CENL 4950/51 more than once, provided the subject matter differs.] (Format: Independent Study)

CENL4951 (3.00 CR)

**INDEPENDENT STUDY IN COMMUNITY ENGAGED LEARNING**

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study. [Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor who is willing to be a supervisor and must register for the course prior to the last day for change of registration in the term during which the course is being taken. Note 2: A program on Independent Study cannot duplicate subject matter covered through regular course offerings. Note 3: Students may register for CENL 4950/51 more than once, provided the subject matter differs.] (Format: Independent Study)

CENL4991 (3.00 CR)

**SPECIAL TOPIC IN COMMUNITY ENGAGED LEARNING**

This course either focuses on to

- 12 from COMP 3611, 3911, 4721, 4911
- 3 from COMP 3361, 3971
- 9 from Computer Science at the 3/4000 level
- 3 from MATH 1111, 1151
- 3 from MATH 2221
- 6 from MATH 1121, 1311
- 6 from CHEM 1001, PHYS 1051, 1551
- 3 from BIOL 1001, BIOL 1501, BIOC 1001, GENS 1401, PSYC 1001 or PSYC 1011

**B.A. HONOURS in Computer Science is 75 credits earned as follows:**

- 60 Credits as in the B.A. Major, plus
- 3 from Computer Science at the 3/4000 level
- 6 from Computer Science or Mathematics at the 3/4000 level
- 6 from COMP 4990

**B.Sc. HONOURS in Computer Science is 78 credits earned as follows:**

- 63 Credits as in the B.Sc. Major, plus
- 3 from Computer Science at the 3/4000 level
- 6 from Computer Science or Mathematics at the 3/4000 level
- 6 from COMP 4990

**B.A. or B.Sc. HONOURS in Computer Science and Mathematics is 75 or 87 credits earned as follows:**

- 18 from COMP 1631, 1731, 2211, 2611, 2711, 2931
- 3 from MATH 1111, 1151
- 12 from MATH 1121, 2111, 2121, 2221
- 9 from MATH 3111, 3211, 3311
- 3 from MATH 3221, 3231, 3251, 4011, 4221
- 3 from Mathematics at the 3/4000 levels
- 3 from COMP 3361, 3971
- 12 from COMP 3411, 3611, 3911, 4721
- from Computer Science or Mathematics at the 3/4000 level, whic

15 from PHYS 3101, 3451, 3701, 3811, 4411

6 from PHYS 4990

Note: The topic of the Honours project or thesis, PHYS 4990, must be chosen in consultation with both departments

Note: Students in the BSc Joint Honours in Compu

COMP2991 (3.00 CR)

SPECIAL TOPIC IN COMPUTER SCIENCE

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program.

[Note 1: Prerequisite set by Department/Program w





COMP4990 (6.00 CR)  
HONOURS THESIS

This course comprises independent research and study under the direction of a member of the Department; for students in Computer Science or Computer Science and Mathematics Honours program.

[Note 1: Consent of supervising staff member and permission of the Department required.] (Format: Independent Study/Thesis)

COMP4991 (3.00 CR)  
SPECIAL TOPIC IN COMPUTER SCIENCE

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program.

[Note 1: Prerequisite set by Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this designation, it must submit course information, normally at least three months in advance, to the Dean. Note 3: Students may register for COMP 4991 more than once, provided the subject matter differs.] (Format: Variable)

## DATA SCIENCE

Data Science is the emerging interdisciplinary study and application of how we capture, organize, archive, access, and use large-scale data. Data Science alters disciplinary and professional practices, enabling new conceptual approaches and categories of questions, while generating new challenges in ethics and privacy. These issues and opportunities now pervade many areas of human endeavour, from physics to health care to social policy.

To successfully engage with the scope and scale of data resources requires high throughput approaches, with new concepts and practices for effective management, distribution, and presentation of data. Our goal is to give students the concepts and tools to empower their ethical engagement with the emerging potentials and challenges of data, across disciplines and fields of enquiry.

The Minor is designed to engage and serve the interests of a wide range of students. It emphasizes interdisciplinary opportunities and challenges of data science, which supports and extends many disciplines and professional areas. Skills in data science are thus highly transferrable across many areas of practice.

Certificates in Data Management and Data Analytics are also available (see Certificate Programs in Section 12 Programs and Courses of Instruction).

### Interdisciplinary B.Sc. Programs

MINOR in Data Science is 24 credits earned as follows:

6	from MATH 1311, 2221
3	from COMP 1631
3	from ECON 2701, BIOL 2701, MATH 2321, PSYC 2011, GENS 2431
9	from DATA 3001, 3101, 4001
3	from ECON 4711, BIOL 4711, MATH 4311, PSYC 3001

Note: There are prerequisites for some 2000 level courses in this minor. Students are responsible for ensuring that they have the necessary prerequisites. It is recommended that students meet with the program director early on to map out the minor.

### DATA SCIENCE 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 Head or Program Co-ordinator must be obtained.



3971, DRAM 1991, 2991, 3991, 4991, SOCI 3451, 3811, including 3 from the 3/4000 level

Note: \*Acceptable only in years when the Program Director approves that the content is relevant to the Minor.

Note: Students are responsible for ensuring that they have prerequisites for 2/3/4000 level courses.

Note: Students considering this minor should consult as early as possible with the Program Director regarding course planning for the prescribed program.

## 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.

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 Head or Program Co-ordinator must be obtained.

DRAM1001 (3.00 CR)

### INTRODUCTION TO SCREEN STUDIES

This course introduces the study of film and television from critical and technical perspectives. It explores ho

DRAM3001 (3.00 CR)

DRAMA AND THEATRE THEORY

Prereq: DRAM/ENGL 1701; or permission of the Program Director

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DRAM4001 (3.00 CR)  
SELECTED TOPICS IN THE HISTORY, SOCIAL, OR CULTURAL  
AREAS OF SCREEN STUDIES  
Prereq: Third-y

# ECONOMICS

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## ECONOMICS 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 Head or Program Co-ordinator must be obtained.

ECON1001 (3.00 CR)

### PRINCIPLES OF MICROECONOMICS

This course introduces the study of Economics and the nature of microeconomic p

ECON2311 (3.00 CR)

ECONOMIC ISSUES IN CANADIAN PUBLIC POLICY II

Prereq: 6 credits from Social Sciences; or permission of the Department

This course provides a critical study of current debates on economic and social policy in Canada. (Format: Lecture 3 Hours) (Exclusion: Any ver



ECON3501 (3.00 CR)

ECONOMIC GROWTH AND TECHNOLOGICAL CHANGE

Prereq: ECON 1001; ECON 1011; or permission of the Department

This course covers economic theories of economic growth and technological change and their application in the study of the historical evolution of the world economy. Historical sections of the course selectively cover materials on Canada, the US, Europe, Asia, and the developing world. (Format: Lecture 3 Hours)

ECON3601 (3.00 CR)

PRINCIPLES OF COST-BENEFIT ANALYSIS

Prereq: ECON 2001; or permission of the Department

This course examines the use of economic theory in the assessment of public sector regulations and projects. Topics include the measurement of social costs and social benefits, shadow pricing, and the choice of discount rate. The course relies heavily on concrete examples such as transportation infrastructure, medical services, environmental protection and hydro development. [Note 1: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.] (Format: Lecture 3 Hours)

ECON3711 (3.00 CR)

LABOUR MANAGEMENT RELATIONS

Prereq: ECON 1001; ECON 1011; or permission of the Department

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. [Note 1: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.] (Format: Lecture 3 Hours)

ECON3721 (3.00 CR)

LABOUR ECONOMICS

Prereq: ECON 2001; or permission of the Department

This course introduces labour economics. Topics include the demand and supply of labour, the Canadian labour market and income distribution, unemployment, poverty, and discrimination in Canada. (Format: Lecture 3 Hours)

ECON3801 (3.00 CR)

ENVIRONMENTAL ECONOMICS

Prereq: ECON 1001; ECON 1011; or permission of the Department

This course presents the application of economic analysis in the study of environmental problems. It examines when and why markets often fail to allocate sufficient resources to environmental conservation, and critically assess different policy instruments available to correct for the fundamental "market failure". Using the analytical methods, it examines the following types of policies: measures to control air and water pollution, the disposal of

ECON4011 (3.00 CR)

MODES OF ECONOMIC THOUGHT

Prereq: ECON 1001; ECON 1011; 6 credits from ECON 2001, 2011, 2101, 2111, or 6 credits from ECON at the 3/4000 level, or 6 credits from PHIL 3000, 3221, 3231, 3250, 3301, 3311, 4111, 4211, or 6 credits from POLS 3001, 3011, 4000, 4011; or permission of the Department

This course examines the historical origins of neo-classical, Austrian and Keynesian economic thought. (Format: Lecture 3 Hours)

ECON4501 (3.00 CR)

PUBLIC FINANCE: TAXATION AND FISCAL FEDERALISM

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

This course examines positive and normative approaches to taxation and fiscal federalism with special emphasis on issues in Canadian Public Finance. [Note 1: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.] (Format: Lecture 3 Hours)

ECON4521 (3.00 CR)

NORMATIVE ECONOMICS

Prereq: 12 credits from ECON 2001, 2011, 2101, 2111; or 3 credits from ECON at the 2/3/4000 level and 6 credits from ECON at the 3/4000 level; or permission of the Department

This course examines the criteria for making judgments on economic performance. It introduces and evaluates notions of efficiency, fairness, and distributive justice in economic outcomes. Topics include the measurement of economic inequality and poverty, value judgments in cost-benefit analysis, consistent collective decision making, and effective means of income redistribution. [Note 1: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in

ECON4801 (3.00 CR)

ADVANCED MICROECONOMIC THEORY

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

The course develops tools and techniques for analyzing problems in microeconomics. These include modern theories of the consumer and of the firm, general equilibrium, and welfare theorems. [Note 1: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce. Note 2: Although not required, the Economics Department recommends that students complete MATH 2111 and MATH 2221 prior to undertaking ECON 4801. Note 3: Honours students who wish to pursue graduate studies in economics are strongly advised to take this course.] (Format: Lecture 3 Hours) (Exclusion: Any version of ECON 4801 previously offered with a different title)

ECON4811 (3.00 CR)

ADVANCED MACROECONOMIC THEORY

Prereq: ECON 4801; or permission of the Department

This course introduces many of the models that form the foundation of modern macroeconomics, including growth, network, and search-and-matching models. The core organizing principle of the course is the concept of general equilibrium, emphasizing tools and techniques for deriving equilibrium properties of the models. [Note 1: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce. Note 2: Although not required, the Economics Department recommends that students complete MATH 2111 and MATH 2221 prior to undertaking ECON 4801. Note 3: Honours students who wish to pursue graduate studies in economics are strongly advised to take this course.] (Format: Lecture 3 Hours) (Exclusion: Any version of ECON 4811 previously offered with a different title)

ECON4821 (3.00 CR)

UNCERTAINTY AND STRATEGY IN ECONOMICS

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

The course examines the roles played by uncertainty and asymmetric information in the allocation of resources. It also uses tools of probability theory to examine strategic interaction. Honours students who wish to pursue graduate studies in economics are strongly advised to take this course. [Note 1: Counts as a Commerce elective for students taking a Bachelor of Commerce or a Major or Minor in Commerce.] (Format: Lecture 3 Hours)

ECON4950 (6.00 CR)

INDEPENDENT STUDY IN ECONOMICS

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program

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## 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 is becoming increasingly apparent.

Creative Writing: 3850, 3851

Note: Courses with an asterisk may be included in any year when the content is appropriate to the category.

2. Each year the English Department publishes on its webpage the courses offered in the English program in the current year. 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 webpage as their guide for the coming year.
3. Students may allow up to 6 credits in English for: Drama 3151 "Acting and Directing," Drama 3161 "Principles of Methods of Interpretation," and Drama 3001 "Dramatic Theory."
4. The Major or Minor in Drama. See Drama Entry

## ENGLISH 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 to fulfill prerequisite requirements. Otherwise, written permission from the appropriate Department Head or Program Co-ordinator must be obtained.

ENGL1111 (3.00 CR)

LITERATURE, THE ARTS AND HUMANITIES

This course introduces the interrelationships between literature and social issues, focusing on the interrelationships between literature and with other fields in the Arts and Humanities. It examines the major forms of English literature and their relationship to subjects such as the history of literature, history, and other fields in the Arts and Humanities. Format: Lecture 3 Hours, Tutorials Time Arranged

ENGL1121 (3.00 CR)

LITERATURE, SCIENCE AND TECHNOLOGY

social issues, focusing on topics relate

ENGL2211 (3.00 CR)

INTRODUCTION TO SHAKESPEARE

Prereq: ENGL 1201; or second-year standing in the Interdisciplinary Program in Drama; or permission of the Department

This course introduces students to a wide range of Shakespeare's plays. (Format: Lecture 3 Hours) (Exclusion: ENGL 2311; ENGL 2321; ENGL 3300)

ENGL2301 (3.00 CR)

LITERARY PERIODS, 1800-PRESENT

Prereq: ENGL 1201; or permission of

ENGL3311 (3.00 CR)  
ENGLISH DRAMA TO 1642  
P

ENGL3511 (3.00 CR)

EARLY TWENTIETH-CENTURY BRITISH LITERATURE

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

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 y1 Tm(t)Tj1 0 0 1 122.486741 Tm(lo)Tj1 1 0 t



ENGL3731 (3.00 CR)

AFRICAN AMERICAN LITERATURE

Prereq: 6 credits from ENGL 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 course will examine selected examples of the African American vernacular tradition. (Format: Lecture 3 Hours)

ENGL3741 (3.00 CR)

ASIAN AMERICAN LITERATURE

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

This course offers an introduction to a variety of Asian American writing from the late nineteenth century to the present. (Format: Lecture 3 Hours)

ENGL3751 (3.00 CR)

POST-COLONIAL AFRICAN LITERATURE

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

This course examines African literature in English from 1950, covering the novel, drama, and poe

ENGL3850 (6.00 CR)

CREATIVE WRITING

Prereq: Take ENGL-3850F

This full-year course offers workshops in creative writing, concentrating primarily on poetry and short fiction; it may also include some work in other forms such as drama and the personal essay. See the English Department website for the annual deadline for submitting application portfolios. (Format: Seminar/Workshop 3 Hour



## ENVIRONMENTAL SCIENCE

See Geography Department

## ENVIRONMENTAL STUDIES

See Geography Department

## EXPERIENCE

See regulation 1

EXPL3000 (6.00)

### INDEPENDENT EXPLORATION

Prereq: Second year student from the university. Please see

This is a university-wide program for academic analysis of independent work. Generally a student may earn three credits (and to a maximum of six credits in a student's

MAJOR in Fine Arts is 60 credits earned as follows:

- 6 from ARTH 2101, ARTH/MUSE 2111
- 6 from Art History and/or Museum and Curatorial Studies at the 2/3/4000 level
- 12 from FINA 1101, 1111, 1921, 1931
- 27 from FINA, including at least 9 at the 3/4000 level
- 6 from FINA at the 4000 level
- 3 from FINA 3701, 4701

Note: Students must have appropriate prereq

FINA2211 (3.00 CR)

LITHOGRAPHY

Prereq: FINA 1931; or permission of the Department

This course introduces lithography printmaking techniques. (Format: Studio 6 Hours)(Exclusion: Any version of FINA 2211 previously offered with a different title)

FINA2301 (3.00 CR)

PAINTING I

Prereq: FINA 1921; or permission of the Department

This course uses various media to focus on the fundamentals of basic painting. It explores colour and techniques and emphasizes observational painting, from various subjects including the figure. (Format: Studio 6 Hours)

FINA2311 (3.00 CR)

PAINTING II

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. (Format: Studio 6 Hours)

FINA2401 (3.00 CR)

SCULPTURE I

Prereq: FINA 1931; or permission of the Department

This course addresses the basic sculptural practices through a variety of sculptural traditions, including wire, wood, mesh, scavenged or natural materials and clay. (Format: Studio 6 Hours)

FINA2411 (3.00 CR)

SCULPTURE II

Prereq: FINA 2401; or permission of the Department

This course is a continuation of FINA 2401 and emphasizes a more experimental approach to sculpture. This course investigates how the shape and form of a structure is imposed by the materials used. (Format: Studio 6 Hours)

FINA2501 (3.00 CR)

PHOTOGRAPHY I

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 editing, introduction to the fine print portfolio presentation, evaluation criticism, and an historical perspective. Each student is required to own a 35 mm camera with manual metering. (Format: Studio 6 Hours)

FINA2511 (3.00 CR)

PHOTOGRAPHY II

Prereq: FINA 2501; or permission of the Department

Fine Arts 2511 addresses itself both aesthetically and technically in small format photography as a component of your development as an artist. This course will deal with notions of the black and white "fine print", social, political and personal issues in the work and portfolio development as well as a number of other studio techniques. Assignments dealing with portraiture, self portraiture, landscape and photo fabrication will allow for personal investigation of a number of given subjects that may or may not contribute to the conceptualization of the final portfolio. (Format: Studio 6 Hours)

FINA2991 (3.00 CR)

SPECIAL TOPIC IN FINE ARTS

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program. [Note 1: Prerequisite set by Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this designation, it must submit course information, normally at least three months in advance, to the Dean. Note 3: Students may register for FINA 2991 more than once, provided the subject matter differs.] (Format: Variable)

FINA3101 (3.00 CR)

INTERMEDIATE DRAWING

Prereq: FINA 2101; 2111 and permission of the Department (e.0 0 1 479.367 61)

This course demands an advanced approach to drawing to further students' understanding of the cultural, historical, and theoretical issues related to drawing through refinement of technical and conceptual skills. It provides for increased responsibility to work independently, apply research, and generate subjeje

FINA3301 (3.00 CR)

INTERMEDIATE PAINTING I

Prereq: FINA 2301; FINA 2311; or permission of the Department

This course focuses on the study of figurative and non-figurative painting, using various painting methods and mixed media.

Consideration will be given to contemporary artists and to the cultural context of painting. (Format: Studio 6 Hours)

FINA3311 (3.00 CR)

INTERMEDIATE PAINTING II

Prereq: FINA 3301; or permission of the Department

Students will explore uses of various painting and mixed media, and work from figurative and non-figurative sources as they complete projects with diverse formal, thematic or conceptual objectives. (Format: Studio 6 Hours)

FINA3401 (3.00 CR)

INTERMEDIATE SCULPTURE I

Prereq: FINA 2401; FINA 2411; or permission of the Department

This course emphasizes contemporary attitudes, theory, and non-traditional approaches to sculpture

FINA4811 (3.00 CR)

**ADVANCED STUDIO II: CRITIQUE**

Prereq: Registration in the fourth-year of the BFA Degree or BA Degree with Major in Fine Arts

This course requires regular class critiques for fourth year students to workshop and develop an independently produced body of studio work thereby meeting students' needs for critical feedback in a single medium or in various media (Format: Studio 6 Hours)

FINA4821 (3.00 CR)

**ADVANCED INDEPENDENT STUDIO I**

Prereq: Registration in the fourth-year of the BFA Degree or BA Degree with Major in Fine Arts

This course requires that students create studio work independently while working with one faculty advisor thereby meeting a student's needs for critical feedback in a single me



## FRENCH STUDIES

MAJOR in Environmental Science is 66 credits earned as follows:

- 6 from GENS 1401, 2411, 2421
- 3 from GENS 2101, 2111
- 6 from BIOL 1001, 2101
- 6 from BIOC 1001, CHEM 1001
- 3 from PHYS 1041, 1051
- 3 from MATH 1111, 1151
- 3 from BIOL 2701, GENS 2431, MATH 1311
- 36 chosen from one of the following Optional Streams listed below.

*Aquatic Environments*

- 3 from MATH 1121, COMP 1631
- 6 from BIOL 2201, 2301, 2401
- 9 GENS 3201, 3471, 4401, BIOL 3361
- 18 from GENS 3041, 3101, 3401, 3411, 3421, 3431, 3991, 4421, 4701, BIOL 3111, 3201, 3351, 3361, 3371, 3551, 3781\*, 3811, 4111\*, 4411, 4711, 4371\*

*Environmental Chemistry*

- 3 from MATH 1121
- 6 from CHEM 1021, BIOC 2001
- 6 from CHEM 2111, 2411
- 6 from BIOC 3001, 3031, 3501, 3711, CHEM 3421\*
- 15 from GENS 3041, 3201, 3471, 4421, BIOC 3501, 3711, 3991, 4151, 4201, CHEM 3521, 3751

*Environmental Monitoring and Management*

- 3 from MATH 1121, COMP 1631
- 3 from GENS 2441
- 6 from BIOL 2301, 2401
- 9 from GENS 3201, 3401, 3421, BIOL 3811
- 15 from GENS 3041, 3101, 3431, 3471, 3881, 3991, 4421, 4701, 4881, BIOL 3301\*, 3401\*, 3351, 3371, 3451\*, 3501\*, 3511\*, 3551, 3651\*, 4111\*, 4411, 4711

*Envir*

- 6 from GENV 4990
- 6 from courses at the 3000/4000 level in one of the elective streams chosen for the Major

B.A. JOINT MAJOR in Geocomputing is 87 credits earned as follows:

- 18 from COMP 1631, 1731, 2211, 2611, 2711, 2931
- 9 from COMP 3611, 3811, 3851
- 6 from COMP at the 3/4000 level, chosen in consultation with the CS Program Advisor
- 3 from MATH 1111, 1151
- 6 from MATH 1121, 2221
- 6 from GENV 1201, GENS 1401
- 6 from GENV 2001, 2101, 3201
- 9 from GENS 2431, 2441, 4721
- 3 from GENS 3401, GENV 3701
- 18 from GENV or GENS, including 9 credits at the 3/4000 level (GENV 3211, 3511 recommended)  
from GENS 4951, w

GENS2101 (3.00 CR)

GENS3101 (3.00 CR)  
ENVIR

GENS3991 (3.00 CR)

SPECIAL TOPIC IN GEOGRAPHY AND ENVIRONMENT

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being

GENS4990 (6.00 CR)

HONOURS THESIS

This course comprises independent research and study under the direction of a supervisor approved by the department. (Format: Independent Study/Thesis) [Note 1: Permission of the Department is required.]

GENS4991 (3.00 CR)

SPECIAL TOPIC IN GEOGRAPHY AND ENVIRONMENT

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program. [Note 1: Prerequisite set by Department/Program when the topic and level are announced. Note 2: When a Department or Program intends

GENV2811 (3.00 CR)

URBAN SOCIAL GEOGRAPHY

This course introduces the central concep



GENV3701 (3.00 CR)  
RESEARCH METHODS IN HUMAN GEOGRAPHY AND  
ENVIRONMENT  
Prere

GENV4421 (3.00 CR)

SEMINAR IN ENVIRONMENT

Prereq: Registration in the final year of a Major or Honours in Environmental Science, Environmental Studies, or Geography.

This capstone course explores advanced topics relevant to research that investigates the cause and consequences of environmental change, both physical and social. Topics may include: case studies of human-environment interaction and envir

## GERMAN STUDIES

See Modern Languages and Literatures

## GREEK

See Classical Studies

## HEALTH STUDIES

The Bachelor of Arts and Science (BASc) in Interdisciplinary Health Studies offers a multifacete

## Interdisciplinary B.A. & Sc. Program

MINOR in Health Studies is 24 credits earned as follows:

- 6 from HLTH 1001, 1011
- 6 from HLTH 2001, 2011
- 6 from HLTH 3001, 3011
- 3 from PHIL 2511, 3511, 3711, 3741
- 3 from SOCI 2111, 2121, 2211, 2231, 2611, WGST 2101, GENV 2221, CANA 3821

MAJOR in Health Studies is 87 credits earned as follows:

### Core Health Courses

- 6 from HLTH 1001, 1011
- 6 from HLTH 2001, 2011
- 6 from HLTH 3001, 3011
- 6 from HLTH 4000

### Introductory Social Science and Life Sciences

- 3 from BIOC 1001
- 6 from BIOL 1001, 1201, 1501
- 3 from PSYC 1001, 1011
- 3 from SOCI 1201

### Ethics and Philosophy

- 3 PHIL 2511, 3511, 3711, RELG 3911, 3921

### Life Sciences at the 2000 Level

- 6 BIOC 2001, BIOL 2101, 2201, 2401, PSYC 2101, 2121, 2431, 2601, 2611

### Social Issues and Culture

- 6 PHIL 3741, SOCI 2111, 2121, 2231, 2211, 2611, 3511, 3761, WGST 2101, CENL 1001, 2001, 2101

### Health and Life Sciences at the 3/4000 Level

- 9 HLTH 4991, BIOC 3031, 3041, 3501, 3521, 4031, BIOL 3211, 3221, 4151, 4211, 4221, PSYC 3101, 3141, 3151, 3211, 3311, 3421, 4611

### Language

- 6 (by placement) from FREN 1651, 1701, 1711, 2401, 2501, 3101, 3111, 3131 OR from Indigenous language and/or culture courses approved by the Program Advisor

### CONCENTRATIONS

- 18 chosen from one of the following three concentrations:

#### Health Equity and Dive

HLTH1001 (3.00 CR)

HEALTH AND SOCIETY

This course introduces concepts of health, illness, and well-being and examines how different framings of health have been socially constructed. The course a

HLTH4950 (6.00 CR)

#### INDEPENDENT STUDY IN HEALTH STUDIES

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor who is willing to be a supervisor and must register for the course prior to the last day for change of registration in the term during which the course is being taken. Note 2: A program on Independent Study cannot duplicate subject matter covered through regular course offerings. Note 3: Students may register for HLTH 4950/51 more than once, provided the subject matter differs.]  
(Format: Independent Study)

HLTH4951 (3.00 CR)

#### INDEPENDENT STUDY IN HEALTH STUDIES

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor who is willing to be a supervisor and must register for the course prior to the last day for change of registration in the term during which the course is being taken. Note 2: A program on Independent Study cannot duplicate subject matter covered through regular course offerings. Note 3: Students may register for HLTH 4950/51 more than once, provided the subject matter differs.]  
(Format: Independent Study)

HLTH4991 (3.00 CR)

#### SPECIAL TOPICS IN HEALTH

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program. Topics might include current issues in health, health policy, global health, mental health, Indigenous health, health promotion, health law, or health and justice. (Format: Lecture 3 hours or as determined)

## HISPANIC STUDIES

See Modern Languages and Literatures

## HISTORY

History is an ideal instrument of liberal education. It develops analytical and communication skills and also fosters knowltr f

3. Asia Pacific History 2721 or 2741; and 2731

21 from History at the 2/3/4000 level. At least 15 of these must be at the 3/4000 level

3 from History at the 4000 level

18 from complementary courses in Arts and Letters, Humanities, and Social Sciences, chosen in consultation with the Program Advisor. The department recommends strongly that 6 of these credits be selected from introductory

HIST1661 (3.00 CR)

FRANCE IN THE AGE OF REVOLUTION

This course examines the social, cultural, economic, and political forces that combined to produce the French Revolution placing particular emphasis on use of primary sources for reconstructing revolutionary experience. Themes include: society in the ancien régime, the Enlightenment, revolutionary political experimentation, war, women and revolution, and the Terror. (Format: Lecture/Tutorial 3 Hours)

(Exclusion: HIST 3371)

HIST1671 (3.00 CR)

HISTORICAL PERSPECTIVES ON WOMEN AND GENDER IN MODERN EUROPE

This course surveys women's lives in modern Europe from the Enlightenment until the twentieth century creation of the European Union. (Format: Lecture/Tutorial 3 Hours)(Exclusion: HIST 3361)

HIST1681 (3.00 CR)

THE USES AND ABUSES OF HISTORY

This course explores the processes by which people build arguments and make decisions based, in part, on a particular understanding of the past. By a series of case studies and grounded in the practice of evidence-based reasoning it demonstrates how history is a fundamental tool in many forms of decision-making and, the



HIST2411 (3.00 CR)

CANADA TO 1871

This course introduces students to the political, so

HIST3051 (3.00 CR)  
HEALTH AND MEDICINE IN THE ANCIENT WORLD  
Prereq: Seco

HIST3251 (3.00 CR)

CLASS, GENDER, AND CAPITALISM: THE TRANSFORMATION  
OF THE BRITISH SOCIAL STRUCTURE 1750-1850

Prereq: 6 credits from HIST at the 1/2000 level; or permission of the  
Department

This course traces the decline of the aristocracy, the triumph of the  
middle classes, and the making of the working class in Britain during  
the early stages of capitalism and industrialization. The course also  
examines gender relations and analyses the notion of 'separate spheres'.  
It pays particular attention to the controversies among hist

HIST3461 (3.00 CR)

CANADA AND ASIA

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

This course examines Canada's relationship with the peoples and nations of Asia through four inter-related themes: immigration, missionary  
a

HIST3631 (3.00 CR)

THE FRACTURING OF CHRISTENDOM: THE REFORMATION ERA

Prereq: 3 credits from HIST 2001, HIST 2011, HIST 2031, RELG 2801, RELG 2821, RELG 2831, RELG 2841; 3 credits from HIST, RELG at the 2000 level; or permission of the Department

This course treats the history of Christianity during the fifteenth

HIST3921 (3.00 CR)

THE PRESENCE OF THE PAST: AN INTRODUCTION TO PUBLIC HISTORY 1603-1820

Prereq: 6 credits from HIST at the 1/2000 level; or permission of the Department

This course introduces students to the study and practice of Public History. The first part of the course focuses on how and for what purposes the past is represented for popular audiences or packaged for popular consumption in modern nation states. The second part explores Public History as a profession, through forms of experiential and community-engaged learning, such as workshops, field trips, and visiting speakers. Students will gain direct 'hands-on' experience of current professional practices by working, individually or collaboratively, on a major public history project. (Format: Lecture/Tutorial 3 Hours)

HIST3991 (3.00 CR)

SPECIAL TOPIC IN HISTORY

Prereq: 6 credits from HIST at the 1/2000 level; or permission of the Department

This course either focuses on topics not covered by the current course offerings in a department or program or offers the os o

HIST4300 (6.00 CR)

THE BIRTH OF THE MODERN AGE

Prereq: Third-year standing; 6 credits from HIST 3301, 3311, 3361, 3371, 3381; or permission of the Department

This senior seminar explores some of the profound social, cultural, political and economic changes that transformed European life during the late nineteenth and early twentieth centuries. Topics vary fr

HIST4921 (3.00 CR)

ADVANCED SEMINAR IN PUBLIC HISTORY

Prereq: 3 credits from HIST 3921, 3861, 4001, 4901, CANA 3231; or permission of the Department

This course builds on the introductory course in Public History to explore specific topics at a more advanced level and to collaborate more directly with local or regional public institutions. Students will learn more about the theore



INDG1991 (3.00 CR)  
SPECIAL T

INDG3111 (3.00 CR)

MI'KMA'KI

Prereq: 6 credits from CANA 1001, 1011, INDG 1001; or 6 credits from CANA/INDG 2501, CANA/HIST/INDG 2801; or permission of the Program Director

This course explores Mi'kma'ki from an interdisciplinary perspective.

Topics include: Indigenous history, g

INDG3881 (3.00 CR)

INDIGENOUS PEOPLES: ECOLOGY, SCIENCE AND  
TECHNOLOGY

Prereq: 3 credits from BIOL 1001, GENS 1401; GENS/INDG 2881; or  
permission of the Department

This course explores the dynamic historic relationship between different  
groups of Indigenous People and their environments and teaches  
students how variation in natural resource use among Indigenous  
groups has resulted in different ecological impacts, scientific  
developments, and technological innovations. The course emphasizes  
sustainability, environmental manipulation, and the important  
cont

INDG4951 (3.00 CR)

INDEPENDENT STUDY IN INDIGENOUS STUDIES

Prereq: INDG 3951; or permission of the Department

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program is required. Note 2:

A program on Independent Study cannot duplicate subject matter covered through regular course offerings.] (Format: Independent Study)

INDG4991 (3.00 CR)

SPECIAL TOPIC IN INDIGENOUS STUDIES

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course.

[Note 1: Prerequisite set by the Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this designation, it must submit course information, normally at least three months in advance, to the appropriate Dean. Note 3: Students may register for INDG 4991 more than once, provided the subject matter differs.] (Format: Variable)

## INTERNATIONAL ECONOMICS AND BUSINESS

Interdisciplinary B.A. Program

MINOR in International Economics/Business is 24 credits earned as follows:

- 12 from ECON 1001 and 1011, 3 credits in Computer Science or Mathematics (not including MATH 1011), COMM 2201 from Economics 3501, 3901, 3921, 4531, 4551, Commerce 2211, 3211, 3251, r.04 69(r)T51 5432ws:thTm(uPC)Tj1 0 0 1 50 1 52(r)T51 5432

## INTERNATIONAL RELATIONS

See Politics 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

- 6 from MATH 3111, 3211
- 3 from MATH 3311, 3411
- 6 from MATH 4011, 4111, 4121, 4221, 4311, 4951, 4991
- 15 from MATH at the 3/4000 level
- 6 from MATH 4901 and 4911, or 6 from MATH at the 3/4000 level
- 6 from Mathematics or Computer Science at the 3/4000 level
- 9 from CHEM 1001, 1021; PHYS 1051, 1551
- 3 from BIOL 1001, BIOL 1501, BIOC 1001, GENS 1401, PSYC 1001 or PSYC 1011

## Interdisciplinary B.A. Program

B.A. HONOURS in Economics and Mathematics is  
81 credits earned as follows:

- 21 from ECON 1001, 1011, 2001, 2011, 2101, 2111, 2701
- 3 from MATH 1111, 1151
- 15 from MATH 1121, 2111, 2121, 2211, 2221
- 3 from ECON 1701, MATH 1311, 2311
- 3 from COMP 1631
- 6 from MATH 3111, 3211
- 12 from ECON 4711, 4721, 4801, 4811, 4821
- 6 from ECON at the 3/4000 levels which may include ECON 4990  
fro

MATH1251 (3.00 CR)

FINITE MATHEMATICS

This course introduces common applications of finite mathematics.

Topics include Markov chains, linear programming and game theory.

[Note 1: This course is restricted to non-mathematics majors and is intended in particular for students in behavioural sciences, commerce, and social sciences. Mathematics majors require the instructor's permission to enrol.] (Format: Lecture 3 Hours)

MATH1311 (3.00 CR)

INTRODUCTION TO DATA SCIENCE

This course emphasizes practical tec



MATH3111 (3.00 CR)

REAL ANALYSIS I

Prereq: MATH 1121; MATH 2211; or permission of the Department

This course provides a systematic and rigorous study of the real numbers and functions of a real variab

**MATH3411 (3.00 CR)**

**NUMERICAL ANALYSIS**

Prereq: MATH 1121; 3 credits from MATH 2221, MATH/PHYS 3451; 3 credits from COMP or PHYS; or permission of the Department

This course introduces numerical methods for solving a variety of problems in the sciences. Topics include numerical errors and precision, root finding, model fitting, integration and solution of differential equations, solution of linear and nonlinear systems of equations, and matrix factorization. [Note 1: This course is cross-listed as COMP 3411 and PHYS 3411 and may therefore count as three credits in any of the three disciplines.] (Format: Lecture 3 Hours)

**MATH3531 (3.00 CR)**

**SIMULATION AND MODELLING**

Prereq: 3 credits from MATH 1111, 1151; 3 credits from MATH 2311, 3311, PSYC 2001, 2011; 3 credits from COMP; or permission of the Department

This course introduces the simulation technique for studying mathematical models. Topics include: systems theory and system models, continuous system simulation, discrete system simulation, Monte Carlo methods, random number generators, and simulation languages. It emphasizes computer implementation of the methods studied. [Note 1: This course is cross listed as COMP 3531 and may therefore count as three credits in either discipline.] (Format: Lecture 3 Hours)

**MATH3991 (3.00 CR)**

**SPECIAL TOPIC IN MATHEMATICS**

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program. [Note 1: Prerequisite set by Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this designation, it must submit course information, normally at least three months in advance, to the Dean. Note 3: Students may register for MATH 3991 more than once, provided the subject matter differs.] (Format: Variable)

**MATH4011 (3.00 CR)**

**SET THEORY AND INTRODUCTORY CATEGORY THEORY**

Prereq: 3 credits from MATH 3111, 3211, 3221; or permission of the Department

This course provides an introduction to set theory via the basic ideas of category theory. Topics may include: categories, types of arrows in categories, limits and colimits, mapping sets, cardinals and ordinals, and the axiom of choice

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MATH4911 (3.00 CR)

HONOURS THESIS II

Prereq: MATH 4901, with a grade of at least B required.

This course comprises independent research and study under the  
dir

French. The study of grammar at these levels is reinforced by practice in the language laboratory or tutorial groups. Several courses at the 3000 and 4000 levels are specifically intended to refine students' command of written and spoken French, while other courses deal with the various areas of French, French-Canadian, and Francophone literatures and cultures as well as the theories of literary criticism. A series of prizes are awarded each year to students who distinguish themselves in French Studies.

The Department supports other activities that enrich the course of study:

- Le Cercle français
- Guest speakers
- Tintamarre, a bilingual theatrical troupe
- Study Abroad Program at the Université de Strasbourg, France
- Spring field course in France
- Certificate of Bilingualism (see Section H under Degrees and Certificates)

### Minimum standard in French for certain courses

While there is no course prerequisite for FREN 2801 (Cinéma du monde francophone), there is a minimum standard of competency in French required for admission to the course. Anyone wishing to register in FREN 2801 must complete a French Skills Assessment (see previous section on Placement) and demonstrate a knowledge of French equivalent to completion of FREN 1711 (placement in FREN 2401).

### Disciplinary B.A. Programs

Important note for advanced students: anyone w



FREN2401 (3.00 CR)

READING AND WRITING FRENCH I / LANGUE ET LECTURES I

Prereq: FREN 1711; or placement by the Department

This course requires that students already have a good command of the fundamental aspects of French in both its spoken and written forms. Its objectives are: to improve expression through the study and practice of appropriate sentence structures, such as sequence of past tenses, pronouns as complements, relative clauses, subordinate constructions requiring the subjunctive; to improve reading and analytical skills by examining and discussing texts that raise important and controversial issues; and to practice or

FREN3301 (3.00 CR)

THE AGE OF VERSAILLES: OPULENCE, SEDUCTION, AND POWER  
/ L'ÉPOQUE DE VERSAILLES: OPULENCE, S'ÉDUCTION ET  
POUVOIR

Prereq: FREN 2501; FREN 2601; or permission of the Department

Through the lens of cultural studies, this course focuses on the Age of Versailles,

FREN3811 (3.00 CR)

IMAGES AND TEXTS / IMAGES ET TEXTES

Prereq: second-year standing; or permission of the Department

This course explores the intersection of verbal texts and visual arts in Francophone literature and culture from the Middle Ages to the twenty-first century. It adopts an interdisciplinary approach to examine how, different yet inseparable, words and images have always



German literature is rich and varied. The program places particular emphasis on representative authors and movements in order to provide

GERM3001 (3.00 CR)

## HISPANIC STUDIES

Spanish is one of the most widely spoken languages of the western world and is an official language of the United Nations' Organization. Canada's interest in the Spanish-speaking world is reflected in organizations such as CIDA, CUSO, WUSC and the Canadian Association of Latin American Studies.

Courses in Spanish, offered within the Department of Modern Languages and Literatures, offer the student a two-fold goal: the first, to learn to speak, understand, read and write this important language - particular attention is directed toward

SPAN2111 (3.00 CR)

INTERMEDIATE SPANISH II

Prereq: SPAN 2101; or permission of the Department

The continuation of SPAN 2101, this course combines intermediate Spanish grammar, translation, oral practice, and reading of prescribed texts with a further introduction to Hispanic literatures and cultures.

(Format: Lecture 3 Hours, Laboratory 1 Hour) (Exclusion: SPAN 2100)

SPAN2701 (3.00 CR)

INDIGENEITY IN THE AMERICAS

This course studies the Indigenous peoples of the area known as Latin America. The Ame

SPAN3331 (3.00 CR)

SPANISH-AMERICAN POETRY

Prereq: SPAN 3101; or permission of the Department

This course surveys the poetry of Latin America, concentrating on the modern (twentieth century) period. (Format: Lecture 3 Hours)

SPAN3821 (3.00 CR)

VISUAL CULTURE OF THE HISPANIC WORLD

Prereq: SPAN 3101; VMCS 1201; or permission of the Department

This course examines themes and media in visual culture throughout the Hispanic world. It focuses on Indigenous, Latin American, and Spanish cinema, fine art, illustration, maps, and other forms of visual and material cultures from key historical periods. To examine visual culture critically, students will engage with socio-historical image analysis, semiotics, and word and image theory. The course is taught in English, but Hispanic Studies students will prepare material in Spanish.

JAPA1001 (3.00 CR)

INTRODUCTORY JAPANESE I

This course introduces basic elements of the Japanese language including the essentials of grammar, pronunciation, and two writing systems: hiragana and katakana. It is intended for students with no prior background in Japanese. (Format: Lecture 3 Hours, Laborat

9 to 12 from SPAN 3060, 3241, 3251, 3261, 3301, 3311, 3321, 3331, 4201, 4800/4801, 4950/51

B. 24 credits from a second of the three study areas listed below, as follows:

24 18 from FREN 1701, 1711, 2401, 2501, 3101 and 3111

6 from FREN 1801, 1811, 1821, 2601, 2801, 3301, 3401, 3411, 3501, 3511, 3601, 3611, 3621, 3761, 3771, 3801, 3811, 3871, 4951

or 24 15 from GERM 1001, 1011, 2001, 2011, 3001

9 from GERM 2601, 2701, 2811, 3401, 3501, 3801, 4901, 4951

or 24 18 from SPAN 1101, 1111, 2101, 2111, 3101, 3111

6 from SPAN 1811, 1821, 2701, 3060, 3241, 3251, 3261, 3301, 3311, 3321, 3331, 4201, 4800/4801, 4950/51

C. 12 credits from a third language, other than those previously selected, chosen from French, German, Spanish or Japanese, as follows:

12 from FREN 1701, 1711, 2401, 2501

or 12 from GERM 1001, 1011, 2001, 2011

or 12 from SPAN 1101, 1111, 2101, 2111

or 12 from JAPA 1001, 1011, 2001, 2011

D. 3 from Linguistics 3001

Note: All literat

## MUSEUM AND CURATORIAL STUDIES

See Art History

## MUSIC

The study and performance of music has been a special feature of Mount Allison University since the first Certificate in Music was granted in 1874. The Department's excellent facilities and versatile faculty enable Mount Allison to provide a thoroughly professional experience within a small, residential, liberal arts university.

The Department of Music offers a wide range of degree programs and individual elective courses designed to develop well-rounded musicians and to provide students with a solid foundation in the liberal arts. A wide variety of courses are offered in the areas of composition and music technology, conducting, music education, music scholarship (music history, music theory), and performance. In all these programs, a core curriculum centered mainly on Western art ("classical") music in staff notation is supplemented by electives on a broad range of traditions including world music, popular music, and jazz. The various curricula were designed to align with the guidelines adopted by the Canadian University Music Society and have been updated in recognition of the need for greater flexibility, accessibility, and inclusion in postsecondary music studies in the twenty-first century. The Bachelor of Music (B.Mus.) degree includes the study of applied music (performance) among its core requirements and enables specialization in a wide range of sub-disciplines. For information concerning the B.Mus. degree and its requirements, see Section 11.6 (Bachelor of Music) of this Academic Calendar.

The Bachelor of Arts (B.A.) Major in Music is designed for students who wish to study Music alongside a broader range of Arts and Science courses than the B.Mus. program allows. The Bachelor of Arts (B.A.) Honours in Music allows for greater depth and specialization than the Major, with a particular focus on music scholarship and research. The Minor in Music is available to students in any program at Mount Allison.

The Department of Music also offers a Joint B.A. Major in Computer Science and Music, as well as a Certificate in Music Education, designed to prepare students for admission to post-degree studies in Education. Further details can be found in Section 12 (Certificate Programs) of this Academic Calendar.

The Department of Music also offers courses and ensembles as electives for students in all degree programs across the university. Subject to auditions, all students may participate in the Music Department's ensembles that are valued at one credit per year of participation.

Note: For information concerning the Bachelor of Music Degree Requirements, see Section 11.6 - Bachelor of Music.

### Disciplinary B.A. Programs

Students planning a Music degree should note that the course requirements can take at least three academic years to fulfill. It is strongly recommended that students consult with the Music Program Advisor and declare this major before the end of their first year.

MINOR in Music is 24 credits earned as follows:

- 12 from 1101, 1201, 1221, 1703
- 6 from Music at the 1/2000 level, excluding ensembles
- 6 from Music at the 3/4000 level



MAJOR in Music is 60 credits earned as follows:

- 12 from MUSC 1101, 1201, 1221, 1703
- 9 from MUSC 1111, 1211, 2101, 2111, 2121, 2201, 2211
- 3 from MUSC 1619-4619, 1629-4629, 1639-4639, 1649-4649, 1659-4659, 1669-4669, 1689-4689, 1699-4699 (Ensembles)
- 6 from Music at the 2/3/4000 level
- 12 from Music at the 3/4000 level
- 18 from complementary courses from other disciplines in Arts and Letters and Humanities, of which at least 6 must be at the 3/4000 level

Note: Ensemble credits must be completed over at least two years

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

- 42 credits as in the first five lines of the Major
- 9 credits from MUSC 1111, 1211, 2101, 2111, 2121, 2201, 2211 if not already counted in the Major; otherwise from Music at the 2/3/4000 level
- 15 credits from Music at the 3/4000 level

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

- 42 credits as in the first five lines of the Major
- 9 credits from MUSC 1111, 1211, 2101, 2111, 2121, 2201, 2211 if not already counted in the Major; otherwise from Music at the 2/3/4000 level
- 9 credits from Music at the 3/4000 level
- 6 from MUSC 4990

## Interdisciplinary B.A. Program

B.A. JOINT MAJOR in Computer Science and Music is 90 credits earned as follows:

- 9 from MATH 1151, 1121, 2221
- 27 from COMP 1631, 1731, 2211, 2611, 2711, 2931, 3361, 3611, 3811
- 6 from COMP 3711, 3831, 3911, 3971  
from PHY

MUSC1221 (3.00 CR)

INTRODUCTION TO MUSIC, CULTURE, AND CONTEXT

This course considers music's role in society and culture broadly through the comparison and consideration of musics from different locations and cultural contexts, inc

MUSC2021 (3.00 CR)  
WORLD MUSIC

MUSC2603 (3.00 CR)  
COLLABORATIVE KEYBOARD II  
Prereq: MUSC 1601

This course provides practical experience in collaborating with vocalists

MUSC3231 (3.00 CR)

MUSIC AND DIFFERENCE

Prereq: MUSC 1201; MUSC 1221; or permission of the Department

The course focuses on music from a variety of styles, ethnicities, and historical eras (both "art" and "popular" music) in order to explore ways in which difference has shaped musical life, experience, and composition. Although it addresses how ageism, racism, classism and disability studies relate to music, the course emphasizes feminist perspectives on music and more specifically gay, lesbian, bisexual, transgender, and queer identities and issues within music and music-making. (Format: Lecture 3 Hours)

MUSC3261 (3.00 CR)

WOMEN AND MUSIC

Prereq: MUSC 1201; 1221; or permission of the Department

This course explores the many roles women have played in music and music-making, as performers, composers, conductors, teachers, critics, patrons or subjects of musical composition. The main focus of the course is a detailed look at music and culture in diverse periods of history and from various styles, traditions, and ethnicities. It also looks at the role of feminist criticism and g

MUSC3361 (3.00 CR)  
ENSEMBLE LEADERSHIP

Prereq: MUSC 3401; or permission of the Department

This experiential learning course examines current approaches and resources for teaching ensembles (band, orchestra, and choir) in school settings. It will include discussion and practical applications of leadership skills and rehearsal techniques. It will also introduce strategies to create, maintain, and grow vibrant music education programs that include ensembles. Students will practice these skills through regular ensemble leadership opportunities. (Format: Integrated Lecture and Lab)

MUSC3401 (3.00 CR)  
INTRODUCTION TO CONDUCTING

Prereq: MUSC 1101; or permission of the Department

This course is designed to train students in the physical techniques and fundamentals of conducting and in basic rehearsal strategies and score preparation. (Format: Lecture/Laboratory 3 Hours)

MUSC3411 (3.00 CR)  
CHORAL CONDUCTING

Prereq: MUSC 2101; MUSC 3301; MUSC 3401; or permission of the Department

This course focuses on various aspects of choral conducting, including expressive conducting techniques, rehearsal strategies, and choral literature and programming. (Format: Lecture/Laboratory 3 Hours)

MUSC3421 (3.00 CR)  
INSTRUMENTAL CONDUCTING

Prereq: MUSC 2101; MUSC 3401; or permission of the Department

This course is designed to train students in conducting, leading and rehearsing an instrumental ensemble, particularly the symphonic band. Other topics include instrumental ensemble literature, score study, and instrument char



MUSC4603 (3.00 CR)

COLLABORATIVE KEYBOARD IV

Prereq: MUSC 3603; or permission of the Department

This course p



# PHILOSOPHY

Philoso

PHIL1991 (3.00 CR)

SPECIAL TOPIC IN PHILOSOPHY

This course either focuses on topics not covered by the current course offerings in a department or program or offers the opportunity to pilot a course that is being considered for inclusion in the regular program.

[Note 1: Prerequisite set by Department/Program when the topic and level are announced. Note 2: When a Department or Program intends to offer a course under this designation, it must submit course information, normally at least three months in advance, to the Dean.

Note 3: Students may register for PHIL 1991 more than once, provided the subject matter differs.] (Format: Variable)

PHIL2301 (3.00 CR)

INTRODUCTION TO FEMINIST PHILOSOPHY

Prereq: 3 credits from Humanities 1600 Series; or permission of the Department

This course provides an overview and introduct

PHIL3101 (3.00 CR)

MEDIAEVAL PHILOSOPHY

Prereq: 3 credits from PHIL; 3 credits from PHIL at the 2000 level excluding PHIL 2611; or permission of the Department

This course examines themes and developments in the mediaeval monotheistic tradition of philosophy (ca. 350-1400 CE). The enduring philosophical topics discussed may include knowledge of God, universals, the nature of the human person, freedom of the will, the scope of philosophy, and the relationship between faith and reason. (Format: Lecture 3 Hours)

PHIL3221 (3.00 CR)

MODERN PHILOSOPHY: THE RATIONALIST TRADITION

Prereq: 3 credits from PHIL; 3 credits from PHIL at the 2000 level excluding PHIL 2611; or permission of the Department

This course investigates the thought of Descartes, Spinoza, and Leibniz, the leading seventeenth-c

PHIL3511 (3.00 CR)

PHILOSOPHY OF THE LIFE SCIENCES

Prereq: PHIL 2511; B.Sc. students already doing 3/4000 level work in their own field, and students with declared programs in Environmental Science, Environmental Studies, or Cognitive Science will be admitted; or permission of the Department.

In recent decades the philosophical assumptions underlying the life sciences have been seen incr

PHIL4111 (3.00 CR)  
SELECTED TOPICS IN MORAL, SOCIAL AND POLITICAL  
PHILOSOPHY

This course examines closely one or more themes and texts in Moral,  
Social,

## PHILOSOPHY, POLITICS, AND ECONOMICS/FRANK MCKENNA SCHOOL OF PPE

The PPE program offers students the opportunity of a multidisciplinary immersion in the problems of action and reflection which shape the human world. Philosophy, politics, and economics share in common a foundational concern with the abundant and widely varying ideas of what is good for human beings and the challenges that arise from attempts at realizing and reconciling these different ideas of the good in practice. Each discipline develops this concern from a conceptually and historically distinct standpoint.

The study of philosophy teaches students to reflect on fundamental questions about nature, human experience, and our responsibility to others. By working with classic texts from the history of philosophy, and key problems within contemporary philosophy, students will catalogue their emerging philosophical commitments to cultivate a broad view of human experience and values, and to develop their facility with rational and critical engagement.

The study of economics consists of examining the decisions of participants in economic systems to discover regularities of behaviour in the expectation that through this be



MAJOR in Physics is 63 credits earned as follows:

- 6 from PHYS 1051, 1551
- 6 from CHEM 1001, 1021
- 3 from BIOL 1001, BIOL 1501, BIOC 1001, GENS 1401, PSYC 1001 or PSYC 1011
- 3 from COMP 1631, MATH 2221
- 3 from MATH 1111 or 1151
- 9 from MATH 1121, 2111, 2121
- 21 from PHYS 2251, 2801, 3101, 3451, 3701, 3811, 4411
- 12 from Physics with at least 9 at the 3/4000 level

Note: Students pursuing a Major in Physics may be allowed to substitute PHYS 1041 for PHYS 1051 with permission of the Department

HONOURS in Physics is 87 credits earned as follows:

credits as in the firi72 1 55.704 575 Tf1 0 0 1 P







PHYS3701 (3.00 CR)

THERMODYNAMICS

Prereq: PHYS 2801; MATH 2111; or permission of the Department

The objective of the course is to develop a clear and broad understanding of the First and Second La

PHYS4411 (3.00 CR)  
CLASSICAL MECHANICS AND RELATIVITY

# POLITICS AND INTERNATIONAL RELATIONS

The Politics and International Relations Department offers three degree

HONOURS in International Relations is 72 credits as follows:

- 60 credits as in the Major, plus
- 6 from the 4000 level in one of the elective streams chosen for the Major
- from INLR at the 4000 lev

- 51 credits from Political Science 2/3/4000 level. At least six credits at the 3/4000 level must be taken from each of the four sub-fields in Political Science (corresponding with the series numbers for Political Theory (30/40), Canadian Politics (31/41) Comparative Politics (32/42), and International Politics (33/43)
- 6 credits from Political Science 4990  
credits from complementary cour

INLR3351 (3.00 CR)

FOREIGN POLICY ANALYSIS

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

This course introduces key theo



INLR4321 (3.00 CR)

SECURITY AND DEVELOPMENT IN THE GLOBAL SOUTH

Prereq: 3 credits from POLS or INLR at the 3000 level; or permission of the Department

This course examines the relationship between political, economic, and social development and security. It studies the security envir

POLS2101 (3.00 CR)

CANADIAN GOVERNMENT AND POLITICS

Prereq: POLS 1001; or permission of the Department

This course is a study of the political process in Canada. It presents an overview of the constitution, institutions, and political act

POLS3121 (3.00 CR)

**MARITIME PROVINCIAL POLITICS**

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

This course provides an advanced introduction to the politics of the three Maritime provinces - New Brunswick, Nova Scotia, and Prince Edward Island. Topics include: the nature of provincial and regional political culture; the nature of the party system in each province; the status and role of Francophones, Indigenous people, African Canadians, and recent immigrants; comparative public policy in areas of provincial jurisdiction; resource industries and the service-sector economy; and the region in Canadian nationalist, continentalist, and autonomist approaches to economic development. (Format: Lecture 3 Hours)  
(Exclusion: POLS 3991 Maritime Provincial Politics)

POLS3141 (3.00 CR)

**CANADIAN PUBLIC POLICY**

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

This course introduces students to theories of public policy-making and the policy-making process in Canada. It emphasizes decision-making, policy change, and implementation in exploring connections among actors, ideas, and institutions in various public policy fields including environmental, health, and social policy to re

POLS3321 (3.00 CR)  
INTERNATIONAL POLITICS OF THE MIDDLE EAST  
Prereq: 6 credits fro

POLS4111 (3.00 CR)

**ADVANCED PUBLIC POLICY ANALYSIS IN CANADA**

Prereq: POLS 3141; or permission of the Department

This course provides a critical overview of how public policies arise and are enacted in Canada. It critically assesses theories of public policy analysis and evaluation and the role of actors in the process, including le

POLS4950 (6.00 CR)  
INDEPENDENT STUDY IN POLITICAL SCIENCE  
This course pe

Note: A maximum of 6 credits from PSYC 4950 and/o

PSYC2011 (3.00 CR)

RESEARCH DESIGN AND ANALYSIS II

Prereq: Second-year standing; PSYC 1001; PSYC 1011; PSYC 2001; or permission of the Department

This course covers the research process from the development of simple and complex research designs to statistical analyses of the data collected. Topics include: analysis of variance, correlation analysis, and nonparametric approaches. It also introduces a statistical software package. (Format: Lecture 3 Hours, Laboratory 1 Hour) (Exclusion: PSYC 2101 Research Design and Analysis)

PSYC2101 (3.00 CR)

BIOPSYCHOLOGY

Prereq: Second-year standing; PSYC 1001; PSYC 1011; or permission of the Department

This course introduces the neural bases of behaviour. Topics 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. (Format: Lecture 3 Hours, Laboratory 1 Hour) (Exclusion: PSYC 2051)

PSYC2121 (3.00 CR)

BEHAVIOUR MODIFICATION

Prereq: Second-year standing; PSYC 1001; PSYC 1011; or permission of the Department.

This course discusses the basic concepts and theories involved in the psychology of learning, the analysis of behaviour and behavioural assessment in the context of real life problems. Topics include: applications of behaviour modification and behaviour therapy in terms of problems associated with parenting, development of social skills, education, disabilities, and health. (Format: Lecture 3 Hours) (Exclusion: PSYC 2011 Learning and Memory)

PSYC2201 (3.00 CR)

COGNITIVE PROCESSES

Prereq: Second-year standing; PSYC 1001; PSYC 1011; or permission of the Department

This course provides an overview of mental processes and a4 395.983 Tm(e).478 Tw-0.0(0 0 1 263.45 395.983 Tm(y in (our65 0 1 49.121 49499.262 Tm(



PSYC3001 (3.00 CR)

**ADVANCED DESIGN AND ANALYSIS**

Prereq: Third-year standing; PSYC 1001; PSYC 1011; PSYC 2001; PSYC 2011; or permission of the Department

This course provides advanced analytic and design tools necessary to interpret the research of others and to conduct original research.

(Format: Lecture 3 Hours, Laboratory 3 Hours)

PSYC3021 (3.00 CR)

**PSYCHOLOGICAL MEASUREMENT AND INDIVIDUAL DIFFERENCES**

Prereq: Third-year standing; PSY

PSYC3301 (3.00 CR)  
INTERPERSONAL RELATIONS

interpersonal relationships. Topics include: attachment and animation, interpersonal attraction, developing and maintaining close relationships, friendship and termination. (Format: Lecture 3 Hours)

PSYC3311 (3.00 CR)  
HUMAN SEXUALITY

Prereq: Third-year standing; PSYC 1001; PSYC 1011; 6 credits from PSYC at the 2000 level; or a declared Minor in Women's and Gender Studies; or permission of the Department

and solutions. (Format: Lecture 3 Hours)

PSYC3331 (3.00 CR)  
DEATH AND DYING

Prereq: Third-year standing; PSYC 1001; PSYC 1011; 6 credits from PSYC at the 2000 level; or permission of the Department

This course examines psychological perspectives on issues related to death, dying, and bereavement. Topics include hospice palliative care, end-of-life decisions, suicide, euthanasia, and medical practices, dealing with

PSYC3341 (3.00 CR)  
COGNITIVE DEVELOPMENT

Prereq: Third-year standing; 3 credits from PSYC 2401, 2431; 3 credits from PSYC at the 2000 level; or permission of the Department

This course examines theories and research methods of developmental psychology, with a focus on research and findings in cognitive development of infants, children and adolescents. Topics include how infants and children discover and understand the world,

PSYC3801 (3.00 CR)

EDUCATIONAL PSYCHOLOGY

Prereq: Third-year standing; PSYC 1001; PSYC 1011; 6 credits from PSYC at the 2000 level; or permission of the Department

This course introduces selected principles, research findings, and theories of psychology considered relevant to teaching and learning.

Topics include: human development and learning, including developmental changes; motivational and learning processes; exceptionalities and othe

PSYC4401 (3.00 CR)  
ADVANCED TOPICS IN DEVELOPMENTAL PSYCHOLOGY  
Prereq: Third-year standing;Y

PSYC4990 (6.00 CR)

HONOURS THESIS

Prereq: Take PSYC-4990F

Coreq: Take PSYC-4903

This course involves an experimental research pro

- 9 RELG 2401, 2411, 2521, 2801, 2811, 2821, 2831, 2841
- 3 RELG 3901
- 3 from RELG 3001 or 3101
- 3 from RELG 3301 or 3311
- 6 from RELG 3501, 3601, 3701
- 12 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 up to 6 additional credits from 2000 level Religious Studies courses if the Humanities 1600 series courses above are from other Humanities disciplines), chosen in consultation with the Program Advisor

RELG1641 (3.00 CR)

RELIGION, THE BODY, AND SEXUALITY

This course investigates the role the human body plays in the wo Tm(u)Tj1 0 T

HONOURS in Religious Studies is 72 credits earned as follows:

- 60 credits as in the Major, plus:
- 6 from RELG 4990
- 6 from Religious Studies at the 3/4000 level, chosen in consultation with the Program Advisor

RELIGIOUS STUDIES 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 Head or Program Co-ordinator must be obtained.

RELG1001 (3.00 CR)

INTRO TO COMPASSIONATE COMMUNITIES

This course explores the concept of the compassionate community as a model for how communities might address social injustices such as poverty, homelessness and loneliness in their midst. Drawing on tools from work in community engaged learning, the course gives students the critical and theoretical skills to understand the factors in community making (history, shared values, identity) and the preparations needed for establishing and maintaining community partnerships. The course has a particular focus on the local-Sackville, Port Elgin, Dorchester-and an applied component that directs students in the skills needed to make connections with local potential community partners and assemble the skills and competencies to discern mutually what sort of relationships and projects are best, given the needs of all involved. [Note 1: This course is cross-listed as CENL 1001 and may therefore count as three credits in either discipline] (Format: Lecture/Tutorial 3 hours) (Exclusion: RELG 1991 Compassionate Communities)

RELG1621 (3.00 CR)

DEATH AND THE AFTERLIFE IN ASIAN RELIGIONS

This course examines the practices and beliefs concerning death and the afterlife in six religious traditions: Buddhism, Confucianism, Daoism, 'folk' or 'popular' religion, Shinto, and Hinduism. It compares beliefs and practices related to death and the afterlife in these traditions and examines the diversity that exists both between and within these religions. (Format: Lecture 3 hours) (Distribution: Humanities-a) (Exclusion: RELG 1991 Death and the Afterlife in Asian Religions)

RELG2401 (3.00 CR)  
INTRODUCTION T

RELG3101 (3.00 CR)

**BUDDHISM**

Prereq: 3 credits from RELG 1621, 1681, 2401, 2411, 2521; 3 credits from RELG at the 1/2000 level; or permission of the Department

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 W



RELG3621 (3.00 CR)

THE CONSTRUCTION OF CHRISTENDOM: THE HISTORY OF  
CHRISTIANITY DURING THE MEDIAEVAL ERA

Prereq: 3 credits from HIST 2001, 2011, RELG 2801, 2821, 2831, 2841;  
3 credits from HIST or RELG at the 2000 level; or permission of the  
Department

This course traces the history of Christianity, emp

RELG3901 (3.00 CR)

APPROACHING THE ULTIMATE: THEMES AND THEORIES IN  
RELIGIOUS STUDIES

Prereq:

RELG4411 (3.00 CR)

ADVANCED STUDIES IN EASTERN THOUGHT

Prereq: 6 credits from RELG 3001, 3101, 3301, 3311, 3321, 3811, 3921,  
3981; or permission of the Department

This course focuses on the philosophical t

RELG4950 (6.00 CR)  
INDEPENDENT STUDY IN RELIGIOUS STUDIES  
This course permits se

# SCIENCE

## SCIENCE COURSE

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 Head or Program Co-ordinator must be obtained.

SCIE1001 (3.00 CR)

### CONTEMPORARY TOPICS IN SCIENCE

This course is designed to explore the science behind issues of current concern through reading and discussion of recent scientific articles, and through taking an in-depth look at the associated scientific principles. Laborator

## SOCIAL SCIENCE

### SOCIAL SCIENCE COURSE

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

- 12 from SOCI 3601, 3701, 3711, 3721, 3731, 3741, 3751, 3761, 3771, 3781, 3791
- 3 from SOCI 4311, 4971

## SOCIOLOGY COURSES

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

N

SOCI2501 (3.00 CR)

YOUTH CRIMINALIZATION

Prereq: SOCI 1201; or permission of the Department

This course explores youth criminalizat



SOCI3311 (3.00 CR)

QUALITATIVE SOCIOLOGICAL RESEARCH METHOD

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

This course examines the ways in which qualitative data are collected, analyzed, and used in the social sciences. Beginning with understanding the theory and theoretical debates of qualitative research

SOCI3561 (3.00 CR)

CRITICAL BORDER STUDIES

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

This course explores how borders are used not only to demarcate physical boundaries between nation states but also as more comprehensive political tools to maintain and re

SOCI3751 (3.00 CR)

SERVICE SOCIOLOGY

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

This course provides hands-on opportunities for students to gain practical skills and experience in service sociology, a socially responsible and mission-oriented sociology of action and alleviation, through public service, social action, and community engagement. It provides an opportunity for students to learn from experienced professionals and acquire relevant skills that can be applied in the work or voluntary sector. Students gain theoretical and methodological understanding of the interventions available for community-based engagement. (Format: Lecture 3 Hours) (Exclusion: Any version of SOCI 3751 previously offered with a different title.)

SOCI3761 (3.00 CR)

COMMUNITY HEALTH

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

This course provides an introduction to the study of structural inequalities that contribute to health disparities, with an emphasis on geographic, identity-based, or virtual communities as the focus for research and intervention. It also considers the social justice implications and potential effectiveness of public health policies and programs and investigates the value of participatory community interventions in prevention, health promotion, and care with individuals, families, and community members. (Format: Lecture 3 hours)

SOCI3771 (3.00 CR)

CULTURAL COMPETENCIES

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

This course enters into debates about the relevance of culture and diversity through the concept of cultural competence defined as a set of skills, values, and principles that acknowledge, respect, and work towards optimal interactions between the individual and various cultural, ethnic, and racialized groups. This course examines cultural competency from personal, experient

SOCI3811 (3.00 CR)

DIGITAL SOCIOLOGY

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

Digital innovations and the inte

SOCI4501 (3.00 CR)

POLITICAL SOCIOLOGY

Prereq: 6 credits from SOCI 3001, 3011, 3301, 3311; or permission of the Department

This course examines the sociological practices that lead to political authority, structures of control, and relations of power that guide and influence social life. Starting from theoretical perspectives in political sociology, this course explores domestic and international examples of social and political practices that help sustain existing conditions while at the same time providing opportunities to transform society.

Under11

SOCI4950 (6.00 CR)

INDEPENDENT STUDY IN SOCIOLOGY

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor who is willing to be a supervisor and must register for the course prior to the last day for change of registration in the term during which the course is being taken. Note 2: A program on Independent Study cannot duplicate subject matter covered through regular course offerings. Note 3: Students may register for SOCI 4950/51 more than once, provided the subject matter

ust register for the course prior to the last day for c e of

SOCI491 (36.00 CR)

## UNIVERSITY SPECIAL TOPIC COURSES

Most courses at Mount Allison are offered by departments or programs and are designated with the associated course code. But there may be opportunities to offer a course in an interdisciplinary area or in a subject area that does not fall within any existing department or program. In such cases the course may be offered as a Univer

## VISUAL AND MATERIAL CULTURE

The Minor in Visual Communication and Culture offers cross-cultural and interdisciplinary programming that encourages students to develop a compar



INDG 1001

The Arts, Culture, and Creative Industries:

CLAS 3801

COMM 3271, 4301

HIST 3861, 4901

Images and Visual Representation in Cultural and Geographic Settings:

CANA 1011, 4201, 4611

FREN 1811, 1821, 3301, 3771

HIST 1661, 3361, 3721

POLS 4200

RELG 2841, 3311, 3321, 3671

SPAN 1811, SPAN/VMCS 1821

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

Note: Students are responsible for ensuring that they have prerequisites for 2/3/4000 level courses

## VISUAL AND MATERIAL CULTURE

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

VMCS2101 (3.00 CR)

RESEARCH METHODS INTENSIVE: VISUAL AND MATERIAL  
CULTURE STUDIES

Prereq: 3 credits from VMCS 1201, 1301; or permission of the  
Department

This course provides an opportunity for students to strengthen and diversify their research skills as applied to visual and material cultures through exploration of key terminology, methodological approaches, and ethical considerations. It introduces various procedures for collecting visual and material data from institutional collections (archives, libraries, and museums), researcher-created databases, photo-sharing websites, everyday life, and social media. By combining research and experiential activities, students are exposed to interdisciplinary and cross-cultural forms of critical thinking about and creative engagement with visual and material cultures, both historical and contemporary. Objects unde

VMCS2531 (3.00 CR)

THE ARCHAEOLOGY OF RELIGION IN THE GREEK AND ROMAN  
WORLD

An examination of the evidence used by archaeologists to recreate the religions of the ancient Greeks and Romans. The course will consider how archaeology reveals ancient views and practices involved in the worship of the Olympian Gods; the religions of Egypt and the Near East; Royal and Emperor cults; Mithraism and mystery cults; Judaism; and early Christianity. [Note 1:

VMCS3301 (3.00 CR)

CRITICAL MAKING

Prereq: Second-year standing; VMCS 1301; or permission of the  
Department

This course guides participants to interrogate the concept and practices  
of crit

VMCS3721 (3.00 CR)  
ART AND ARCHAEOLOGY OF POMPEII  
Prereq: Sec

VMCS4951 (3.00 CR)

INDEPENDENT STUDY IN VISUAL AND/OR MATERIAL CULTURES

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a program of independent study.

[Note 1: Permission of the Department/Program Advisor. Students must obtain consent of an instructor who is willing to be a supervisor and must register for the course prior to the last day for change of registration in the term during which the course is being taken. Note 2: A program on Independent Study cannot duplicate subject matter cov

- 6 from WGST 2101, 2201, 2991
- 3 from WGST 3111
- 6 from WGST 3121, 3201, 3991
- 3 from WGST 4001, 4301, 4811, 4911, 4950, 4951, 4991
- 21 from ARTH 3081, CANA 2311, 3301, CLAS/HIST 2051, ENGL  
to 3651, 3661, 4921, GENV 3111, HIST 1671, 3471, 3531, 4461,
- 39 4571, INLR 3001, MUSC 3261, PHIL 2301, POLS 3031, 4001,  
PSYC 3311, 3511, 4311, RELG 1641, 3411, 3811, SOCI 2211, 2231,  
SPAN 3241, WGST 1991, 2101, 2201, 2991, 3111, 3991, 4001,  
4201, 4811, 4911, 4950, 4951, 4991 if not used on previous line.
- 0 to from CANA 2121, CANA/HIST/INDG 2801, 3821, 3831,
- 18 CANA/INDG 3111, 3501, 4101, CLAS 2521, COMM 3391, ENGL  
4941, HIST 1621, 3251, 3801, 3811, MUSC 3231, PHIL 3741,  
POLS 4141, 4161, RELG 1661, 4841, SOCI 2121, 2401, 2611, 4601,  
4701, SPAN 3261

or from the following courses in any year when the Program Director approves that their content contains a significant Women's and Gender Studies component: ENGL 3561, GENV 2221, 2811, 4821, HIST 3361, 4901, PHIL 1611, 3711, RELG 3821, 3911, 3921, 4821, SOCI 2111, 3101, 3451, 3511, 3551.

Note: At least 6 credits from the elective stream must be at the 3/4000 level.

Note: Students are responsible for ensuring that they have prerequisites for 2/3/4000 level courses.

HONOURS in Women's and Gender Studies is 72 credits earned as follows:

- 60 credits as in the Major, plus
- 3 further from WGST 4001, 4301, 4811, 4950, 4951, 4991
- 3 from WGST 4901, 4911
- 6 from WGST 4990

## WOMEN'S AND GENDER STUDIES 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, writtey y

WGST3111 (3.00 CR)

FEMINIST THEORIES

Prereq: Prereq: 3 credits from WGST 1001, 1991; 3 credits from WGST 2101, 2201, 2991; or permission of the Program Director

This course provides a comparative and critical analysis of various feminist theories developed as explanatory frameworks for the understanding of gendered and other divisions within society. It surveys a range of feminist theoretical traditions, traces the emergence and transformation of central feminist concepts, and investigates the connections between theory and political practice. It examines theoretical frameworks that may include: Black feminist thought, anti-racist and postcolonial feminism, queer theory, trans theory,



WGST4911 (3.00 CR)

FEMINIST PRAXIS STUDIES

Prereq: WGST 3111; or permission of the Program Director

This course is designed for honours students. Students will investigate key parts of the history of feminist activism and examine the links and gaps between feminist theories and feminist practices. In praxis, theory and practice come together to create informed, conscious, and self-conscious action. Critical reflection on the histories of feminist praxis and on students' own honours projects is a core element of this course. This course will prepare students pursuing an honours in women's and gender studies for the praxis element of their honours thesis project. (Format: Seminar)

WGST4950 (6.00 CR)

INDEPENDENT STUDY IN WOMEN'S AND GENDER STUDIES

This course permits senior students, under the direction of faculty members, to pursue their interest in areas not covered, or not covered in depth, by other courses through a p

of courses engages vital questions: what cultural creations emerge from this place?

to develop strategies that facilitate individuals' and communities' social inclusion in economic, social, cultural, and political dimensions.

The Diversity, Equity, and Inclusion Certificate is 18 credits earned as follows:

- 9 from SOCI 2111, 2121, 2211, 2221, 2231, 2401, 2501, 2611
- 3 from SOCI 3101, 3511, 3551, 4551, 4561
- 3 from SOCI 3701, 3711, 3731, 3781, 3791
- 3 from SOCI 3771, 4701

## Certificate in Foundations of Health

Certificate Overview. The courses that comprise the certificate provide students with foundational knowledge about the biological and psychosocial bases of health and health care. This certificate is beneficial to students planning a career in health care broadly defined, including medicine, nursing, allied health care professions, health policy and biomedical research.

The Certificate in Foundations of Health is 18 credits earned as follows:

- 3 from BIOL 3211
- 3 from BIOL 3221, 3751
- 6 from PSYC 2101, 2611
- 3 from PSYC 3101, 3151, 3211, 3611, 4101, 4611, BIOL 2811, 3911, 4221, 4311
- 3 from PSYC 2431, 3421, 3311, 3331, 3511, 4411, SOCI 2611, 3511, 3761, 4201, 4601, ECON 3111, PHIL 3511, PHIL 3711, PHIL 3741, COMM 4391

Note: Department Heads may approve other selected Special Topics courses if the topic is appropriate.

Note: Students will also be required to obtain the Certificate of Completion of the TCPS 2 Tutorial Course on Research Ethics.

## Certificate in Mi'kmaq Studies

Certificate Overview. The Certificate in Mi'kmaq Studies offers an introduction to Indigenous Studies and Indigenous research while focusing on Mi'kmaw language, culture, and land. Given Mount Allison's location in the unceded and ancestral territory of Mi'kma'ki, students from any program may want to deepen their knowledge of local Indigenous cultures through the Certificate in Mi'kmaq Studies. The Certificate offers an Experiential Learning option, and many courses will include land-based learning, visits from Elders and Knowledge Keepers, and other kinds of interactive learning experiences.

The Certificate in Mi'kmaq Studies is 18 credits earned as follows:

- 3 from INDG 1001
- 6 from INDG 2001, 3111
- 3 from INDG 2901, 3901
- 6 from INDG 2881, 3001, 3301

Note: Students are responsible for ensuring they have the necessary prerequisites.

## Certificate in Music Education

Certificate Overview. Designed for stud

## Certificate in Theatre Arts

Certificate Overview. The courses included in this certificate focus on the practical aspec

