

Winter Semester final examination period*	April 16 – 26, 2012
Winter Semester 2012 ends	April 26, 2012

* Students must be available for final examinations up to the last day of the examination period as specified in the Academic Schedule.

SPRING 2012 SEMESTER

Registration Access List posted for Spring Semester 2012	March 5, 2012
First day to apply for new students	February 27, 2012
Last day to apply to graduate for Spring 2012 Convocation	February 28, 2012
Registration for Spring Semester 2012 begins for continuing students	March 12, 2012
Registration for Spring Semester 2012 begins for new students	April 2, 2012
Last day to add name to Waitlist	April 12, 2012
Full fees for Spring Semester 2012 due (registered students only)	April 25, 2012
First day of Spring Semester classes	May 2, 2012
Last day to adjust registration (Drop/Add/Cancel) for Spring Semester 2012 with full tuition refund (less deposit)	May 10, 2012
Last day to pay fees for Spring Semester 2012	May 11, 2012
Last day to apply to attend Spring 2012 Convocation	May 15, 2012
Last day to be re-instated for Spring 2012 classes	May 16, 2012
Spring 2012 Convocation	June 1, 2012
Last day to withdraw from 6.5-week courses with an award of "W" grade(s)	June 6, 2012
Last day of classes for 6.5-week courses	June 18, 2012
Final examination period for 6.5-week courses*	June 20 & 21, 2012
Last day to withdraw from 13-week courses with an award of "W" grade(s)	July 10, 2012
Last day of classes for 13-week courses	August 3, 2012
Final examination period for 13-week courses*	August 7 & 8, 2012

*Students must be available for final examinations up to the last day of the examination period as specified in the Academic Schedule.

FALL 2012 SEMESTER

Apply for Early Admission for Fall Semester 2012 (applications are accepted ongoing until August 31 or until the program is declared full)	December 1, 2011 – March 1, 2012
Registration Access List posted for Fall Semester 2012	February 8, 2012
Registration for Fall Semester 2012 begins for continuing students	March 12, 2012
Registration for Fall Semester 2012 begins for new students	April 10, 2012
Last day to apply to graduate for Fall Convocation	July 31, 2012
Last Day to apply to attend Fall 2012 Convocation	October 15, 2012

HOLIDAYS

Labour Day	September 5, 2011
Thanksgiving Day	October 10, 2011
Remembrance Day	November 11, 2011
Christmas and New Year's closure (Recreation Centre open to the public, but administrative and academic offices closed)	December 25, 2011 – January 2, 2012
Family Day	February 20, 2012
Good Friday	April 6, 2012
Easter Monday	April 9, 2012
Victoria Day	May 21, 2012
Canada Day Holiday	July 2, 2012
Calgary Stampede Parade Morning	July 6, 2012
Heritage Day	August 6, 2012

The University reserves the right to make adjustments to the calendar, as required.

FACULTY OF HEALTH AND COMMUNITY STUDIES

Bachelor of Arts – Criminal Justice
 Bachelor of Nursing
 Bachelor of Applied Business and Entrepreneurship – Sport and Recreation
 Bachelor of Applied Child Studies
 Bachelor of Applied Ecotourism and Outdoor Leadership
 Bachelor of Physical Education (University Transfer)
 Diploma – Child and Youth Care Counsellor
 Diploma – Disability Studies
 Diploma – Early Learning and Child Care
 Diploma – Social Work
 Certificate – Athletic Therapy
 Certificate – Early Learning and Child Care
 Certificate – Studies in Aging
 Aging
 Entrepreneurship
 Post-Basic Certificates
 Advanced Studies in Critical Care Nursing
 Critical Care Nursing
 Emergency Nursing
 Neuroscience Nursing
 Advanced Studies in Mental Health (Admission Suspended for Fall 2011)
 Advanced Studies in Perinatal and Neonatal Nursing
 Neonatal Nursing
 Perinatal Nursing
 Forensic Studies
 Bridge to Canadian Nursing – Certificate of Achievement

FACULTY OF SCIENCE AND TECHNOLOGY

Bachelor of Computer Information Systems
 Bachelor of Science
 Cellular and Molecular Biology
 General Science
 Geology
 Health Science
 Bachelor of Applied Science – Environmental Science
 Bachelor of Engineering (University Transfer)
 Bachelor of Science – Computer Science (University Transfer)
 Certificate – Environmental Science

FACULTY OF TEACHING AND LEARNING

Bachelor of Education (University Transfer) (Intake Suspended)

MISCELLANEOUS PROGRAMS

Aboriginal Education Program
 University Entrance Option
 Open Studies

TRANSFER OF CREDIT TO OTHER EDUCATIONAL INSTITUTIONS

It is the responsibility of students who intend to transfer to another institution after completing studies at Mount Royal University to ensure that courses taken at the University are acceptable to the receiving institution.

Students are advised to consult the appropriate edition of the *Alberta Transfer Guide* at transferalberta.ca issued by the Alberta Council on Admissions and Transfer or the calendars of the receiving institutions for further details regarding admission requirements, transfer policies, procedures and advanced credit arrangements.

To receive a minor in a Business discipline, students must fulfill the requirements of the specific business minor they wish to pursue. The Bissett School of Business offers minors in a variety of business disciplines. Students should consult with an Advisor before choosing their courses. Please refer to the appropriate section in the Calendar for further details about the various business minors.

Each minor has specific requirements, as listed below.

To receive a minor in Computer Information Systems, students must complete courses as specified by the Department of Computer Science and Information Systems. Students should consult with an Advisor before choosing their courses.

Minor	Max # of courses in subject area 1000 level	Min # of courses in subject area 3000 and/or 4000 level	Required courses
Anthropology	4	2	ANTH 1102, 1103, 1104 and 1106
Art History	2	3	ARTH 1101, 1103, 3315 and at least one course at the 4000 level
Economics	2	1	ECON 1101, 1103, 2211, 2213 and 3395.
Education	3	0	EDUC 1231 and 1233, (with a minimum grade of 'B') EDUC 2321 and 2325 (with a grade of C+ in all their Education classes)
English	2	2	Students are strongly recommended to take ENGL 2210 and 2211.
Film Studies	2	3	Students must select 8 courses from the following: FILM 1143, 2214, 2246, 3345, 3349, ENGL 3305, ARTH 1101, 1103, 2207, 2209, ANTH 2243, HIST 2291, FREN 3343, SPAN 3312. Students must take FILM 1143 and one of ARTH 1101 or 1103; One of HIST 2291, ARTH 2207 or 2209; ENGL 3305; and at least 2 3000-level FILM courses.
French	1	3	Required courses vary depending on initial placement test results. All students must take FREN 2235, 2237 and 3341. Note: FREN 1109 and 1111 are prerequisite courses and do not count towards a minor in French.
History	4	2	Must include at least one 1000-level course from two of the following areas: Canadian History, European History, and American History.
Humanities	4	2	One of ENGL 2210 and 2211. At least one of RELS 1101, 1103, and 1105; at least one of PHIL 1101 and 1149; and at least one of HIST 1101, 1103, 1131, 1133, 1111, 1117, and 1119). Students who are interested in the Humanities minor should speak with an Academic Advisor as early as possible.
Linguistics	2	2	Required courses include LING 1111, 1113 and LING 2201. Four of the following courses: LING 2207, 2215, 2221, 2231, 3315 and 3371.
Philosophy	3	2	Must include at least one course from each of the following areas: (1) logic and argumentation, (2) value-theory, and (3) epistemology/metaphysics. The following courses may be used to satisfy each of the areas: Logic and Argumentation: PHIL 1175, PHIL 1179 Value Theory: PHIL 1149, 2219, 2223, 2229, 2237, 2253, 2291, 3333 and 3345 Epistemology / Metaphysics: PHIL 1101, 2211, 2215, 2221, 2263, 2267, 2281 and 3307
Policy Studies	N/A	6	POST 2201 and 2209. Please note that Policy Studies minors may not take the POST 3030 Internship.
Political Science	3	2	PLSC 1101
Psychology	2	2	PSYC 1101 and 1102
Religious Studies	4	2	RELS 1101, 1103, and 1105 HUMN 2297 can count as a Religious Studies course for this minor.
Sociology	2	2	SLGY 1101, 1103, 2231 and 2232.
Spanish	1	4	SPAN 1103 (or equivalent), 2211, 2213, and 2223, 3305 and 3309.
Teaching English as a Second Language (TESL)	3	2	LING1111 and either Linguistics 1113 for non-Education majors or EDUC 2371 for Education majors. LING 2221 and EDUC 2271 and 3372 Two or more of the following: LING 1113, 2207, 2231, or 3371 EDUC 4471
Women's Studies	4	2	WMST 1172, 3301 and 3302.

6. Develop a cultural business background and lexicon to function effectively in Spanish-speaking commercial environments. Students will develop strategies for effective writing, listening comprehension and speaking on business topics.

SPECIFIC GRADUATION REQUIREMENTS – BACHELOR OF ARTS WITH A MAJOR IN SPANISH

Students must meet the general graduation requirements for the Bachelor of Arts with a Major, as indicated in the General Graduation Requirements – Bachelor of Arts with a Major section of this calendar. In addition, Spanish Major students must meet the following graduation requirements.

1. Students must take a minimum of 16 SPAN courses.
2. Students may take no more than 24 SPAN courses (including electives and courses taken in the fulfillment of the General Education requirements).
3. Students must take a minimum of four 4000-level SPAN courses.
4. The following 9 SPAN courses are mandatory:
 - a. SPAN 1103 – Beginners' Spanish II
 - b. SPAN 2211 – Intermediate Spanish I
 - c. SPAN 2213 – Intermediate Spanish II
 - d. SPAN 2221 – Contemporary Hispanic Cultures and Oral Practice
 - e. SPAN 2223 – Introduction to Textual Analysis and Composition
 - f. SPAN 3305 – High Intermediate Spanish
 - g. SPAN 3309 – Critical Thinking in Spanish
 - h. **SPAN 3315 – Introduction to Literature from Spain and Latin America**
 - i. SPAN 4401 – Advanced Spanish
5. Students must complete a minimum of seven other SPAN courses. Students have a variety of areas to choose from: Hispanic Literatures and Cultures, the Teaching of Spanish as a Second Language, Translation, and Business Spanish. Students should consult with an Advisor to select the best combination of courses for their areas of interest.
6. In addition to the 16 courses in Spanish, students are required to take four Hispanic culture courses in English: a) ROST 1101- Topics in Romance Culture (a section including Spain) or SPAN 2219- Contemporary Spanish Culture and Society, b) LAST 1101- Introduction to Contemporary Latin American Cultures, c) LAST 2201-Cultures of South America and d) LAST 2202-Cultures of Mexico, Central America and the Caribbean. These courses are delivered in English and provide a strong background for the understanding of Hispanic cultures. They are offered by the Department of Languages and Cultures.
7. Students are not required, but strongly encouraged, to participate in a study semester at a university in a Spanish-speaking country. International Education at Mount Royal has several exchange agreements with universities in Mexico and Spain. Students can participate when they have completed a minimum of one course at the 2000 level and have a minimum GPA of 3.00. A maximum of five courses taken at an exchange institution can be transferred as long as they meet the requirements of equivalent courses in the Spanish program.
8. Placement test: Students with Spanish language knowledge must consult the Spanish section of the Department of Languages and Cultures to be placed in a course corresponding to their ability. Placement tests will be administered in order to assess prior knowledge. Students should contact the Department to make an appointment to complete their placement test at least within two weeks before the beginning of classes each semester. The Spanish section of the Department of Languages and Cultures reserves the right to place students in the language course that is appropriate to their level of language proficiency.

Students who are placed at a higher level upon entry to the program will still need to complete a minimum of 16 SPAN courses for the major and 8 courses for the minor. Students who have completed courses at other institutions should consult the Spanish Faculty Advisor.

Students who have no prior knowledge of Spanish should take SPAN 1101 before entering the major and minor programs.



Additional Criteria

In addition to meeting all academic admission requirements, applicants must meet the following criteria:

- **Physical** – Applicants must hold an unrestricted Class I Aviation Medical issued by Transport Canada valid as of September 1 for the Fall Semester to which they are applying and must continue to hold a Class I Medical for the entire period of their training. Applicants should be aware that the major airlines may have vision restrictions that are more stringent than the basic Transport Canada requirements.
- **Private Pilot's License** – Applicants must possess an unrestricted Canadian Private Pilot's License by September 1 for the Fall Semester to which they are applying. Possession of a Private Pilot's License is not essential prior to being accepted.

SPECIAL PROGRAM FEES

In addition to regular tuition and general fees, flight training fees are approximately \$45,000 for a student in the two-year Aviation Diploma. A Private Pilot License (cost approximately \$11,000) must be completed prior to entering the Diploma program. Students will be required to make a substantial deposit at the beginning of each semester and maintain a minimum balance of \$500 at all times. Deposits can be paid using Visa or MasterCard via **MyMRU.ca** or to the Student Fees Office (A102). Flight training fees are subject to change depending on operating costs for aircraft and related services.

FINANCIAL ASSISTANCE

Due to the cost of this program, students may be eligible for the maximum Canada Student Loan and Government of Alberta Loan. Please refer to the section on *Financial Aid* for further information.

Advance savings to complement the loan funds are essential. All fees for the program are to be paid to Mount Royal University.

CONTINUANCE IN THE PROGRAM

In addition to the general graduation requirements students must achieve the following:

1. A minimum grade of "C" is required in all Air Flight Training (AIRF) courses.
2. Continuing satisfactory progress is required in flight training.
3. Before beginning specific training for a rating for flight test, students will be required to demonstrate that they have met the prerequisites and have sufficient funds to complete that portion of the training.

OPERATIONAL PROCEDURES

Mount Royal University Aviation operational procedures are outlined in the Student Information Manual, the Company Operating Procedures and other manuals produced by the department. Students are required to make themselves familiar with these documents and all of the policies and procedures contained therein. In exceptional and legitimate circumstances, extensions or exemptions may be granted by the CFI or Program Chair. Procedures for applying for an exception or exemption are available from either the CFI or the Program Chair.

FLIGHT TRAINING REQUIREMENTS

1. All published syllabus flights must be completed in Mount Royal University aircraft under the supervision of Mount Royal University instructors*
2. Students must complete all of the published syllabus flights and simulator training for Year 1 by the end of the first year.
3. Students must complete all of the published syllabus flights and simulator training for Years 1 and 2 in order to graduate.
4. Students must successfully complete the following Transport Canada requirements in order to graduate:

- Commercial Pilot License
- Night Rating
- Multi-Engine Rating
- Group I Instrument Rating

* The only exception to number 1 is that students who are admitted to the program with complete advanced training (Night Rating or ME). They may receive credit at the discretion of the CFI for that training.

** Students should be aware that Transport Canada requires that all of the licensing requirements for the Commercial License must be completed within one year of the date of the flight test. As a result, it is the students' responsibility to ensure that the timing of their flight test is planned accordingly, in order to ensure they will not have to retake the flight test.

** Students should also be aware that they require 50hrs Pilot-in-command Cross-Country experience prior to commencing the multi-engine/instrument (MI) phase of training. As a result, students should have completed a sufficient number of Navigation exercises to ensure this requirement is met in a timely manner prior to beginning the MI training.

CURRICULUM

Diploma – Aviation

Year One

- AIRF 1101 – Introduction to Aviation Navigation
- AIRF 1109 – Aviation Meteorology (Introductory)
- AIRF 1130 – Aircraft Engines
- AIRF 2101 – Aviation History and Air Law
- AIRF 2111 – Aeronautics and Flight Operations
- AIRF 2209 – Aviation Meteorology (Advanced)
- GEOG 1101 – The Physical Environment
- MGMT 2130 – Principles and Practice of Management
- General Education Requirement
- General Education Requirement - Foundation Level Cluster 4

Year Two

- AIRF 3202 – Multi-Engine Instrument Rating
- AIRF 3206 – Advanced Operations, GPS, and Crew Coordination
- AIRF 3210 – Aircraft Systems
- AIRF 3242 – Human Factors and Aviation Safety
- LSCM 2201 – Introduction to Logistics and Supply Chain
- LSCM 3301 – Introduction to Transportation
- **MATH 1505** – Puzzling Adventures in Mathematics
- PHED 2410 – Wilderness Survival Techniques
- General Education Requirement
- General Education Requirement
- General Education Requirement

GRADUATION REQUIREMENTS

- Minimum overall Grade Point Average of 2.00 on all courses included in the program.
- A minimum grade of "C" is required in all Air Flight Training courses.

Please consult the University Calendar for information concerning the University's General Education requirement.

RESIDENCY REQUIREMENTS

A minimum of 50% of the course requirements for the degree must be completed as a registered student of Mount Royal.

GRADUATION REQUIREMENTS

- Successful completion of the total required credits and courses for graduation as listed
- Minimum overall grade point average of 2.0 on all courses included in the program
- Successful completion of two non-credit work experiences and the non-credit work experiences preparation seminar.
- Minimum grade of "C" in all courses, (Although a maximum of two elective or general education courses may be accepted with a passing grade of less than a "C".)

Note: For course descriptions refer to:

Bachelor of Communication – Public Relations:

mtroyal.ca/communicationstudies/prelations/curriculum.shtml

STUDENT CONDUCT

Public relations students are expected to adhere to the Code of Student Conduct as outlined for all students at Mount Royal. As well, students will learn and be held accountable for knowing and adhering to the Canadian Public Relations Society's Code of Professional Standards. Any deliberate breaches to either Code, such as academic dishonesty, will incur consequences as outlined in the Mount Royal Code of Student Conduct.

CURRICULUM

Bachelor of Communication – Public Relations

All of:

COMM 1841 – Introduction to Public Relations

COMM 1845 – Interpersonal Communication

COMM 1849 – Applied Writing I for Public Relations

COMM 2500 – Introduction to Communication Studies

COMM 2501 – Media History and Contemporary Issues

COMM 2803 – Visual Communication for Public Relations

COMM 2849 – Applied Writing II for Public Relations

COMM 3500 – Media, Culture and Communication Theory

COMM 3841 – Media Relations

COMM 3843 – Communication and Organizational Dynamics

COMM 3847 – Public Relations Management

COMM 3851 – Computer Mediated Communication

COMM 3855 – Research Methods for Public Relations

COMM 3860 – Government Public Relations

COMM 4501 – Roles and Practices in Contemporary Communication

COMM 4841 – Strategic Communication Planning

COMM 4847 – International and Intercultural Public Relations

COMM 4851 – Issues and Ethics in Public Relations

COMM 4860 – Issues Management, Risk and Crisis Communication

COMP 1205 – Introduction to Computing for Public Relations

MGMT 2131 – Introduction to Business Administration

MKTG 2150 – Introduction to Marketing

One of:

COMM 4845 – Investor Relations or

COMM 4849 – Fund Development and Corporate Philanthropy

One of:

COMM 1661 – Technical Writing I or

COMM 1700 – Journalism in Society or

COMM 3670 – Project and Content Management

And these non-credit program elements:

COMM 4890 – Public Relations Workplace Issues and Preparation Seminar

COMM 4891 – BCMM Public Relations Work Experience I *non credit - required

COMM 4892 – BCMM Public Relations Work Experience II *non credit - required

**All courses three credits except non-credit courses COMM 4890, 4891 and 4892.*

GENERAL EDUCATION AND ELECTIVES

In addition to the courses listed above Public Relations students require 12 General Education courses and four electives. It is

recommended that electives be chosen from areas of interest that complement career interests.

For details on the nature and structure of General Education visit: mtroyal.ca/gened/courses.

For course descriptions for the Bachelor of Communication – Public Relations visit: mtroyal.ca/ProgramsCourses/FacultiesSchoolsCentres/Communications/Programs/BachelorofCommunication-PublicRelations/index.htm

To be completed during the winter semester in the student's 4th year.

CERTIFICATE OF ACHIEVEMENT IN INTERNATIONAL COMMUNICATION

Students in any major of the Bachelor of Communication (BCMM), offered through the Faculty of Communication Studies (FCS), may obtain a Certificate of Achievement in International Communication following completion of a number of courses: including at least two courses in a second language, three courses with an international focus in a range of disciplines, and an acceptable international volunteer, study abroad, or work experience. Students may satisfy requirements of the certificate while completing their degree, with completed courses counting towards both. In doing so they will use some of their general education course requirements at level two or three, some of their communication courses, and some or all of the four elective courses in their program of study. Completing the certificate within the framework of the degree requires planning beginning in year one of the degree programs. Interested students may obtain a full description of the requirements and processes from their program chair.

GENERAL EDUCATION

For course information visit mtroyal.ca/gened/courses. Students are encouraged to meet with an advisor before registering in a course.

PRACTICA IN THE BACHELOR OF ARTS – CRIMINAL JUSTICE

Students in the Bachelor of Arts – Criminal Justice must complete a 6-credit capstone practicum in order to graduate. There is no practicum requirement in the Honours stream.

Capstone Practicum

A capstone practicum normally occurs in the fourth year of study. Coordinated by the Department's Practicum Coordinator, students are placed with a justice-related agency to gain practical experience and enhance their experiential learning. Traditionally, practica are unpaid work experiences. Practica involve approximately 2.5 days of full-time work within an agency, biweekly academic seminars and required course assignments supervised by a faculty instructor. In total, practica involves 360 hours of placement hours and academic work over the academic term. Students are required to work with the Department's Practicum Coordinator well in advance of going out on a placement and before registering for the practicum course.

HONOURS STREAM IN THE BACHELOR OF ARTS – CRIMINAL JUSTICE

Students who are interested in pursuing graduate or law school after graduating from Mount Royal should consider applying for admission into the Honours stream in the Bachelor of Arts – Criminal Justice. The Honours stream involves a different set of fourth year courses than those found in the 4th year of study in the Bachelor of Arts – Criminal Justice. In place of completing a 6-credit practicum and one Criminal Justice Option course, students complete an Honours seminar and a 6-credit Honours research project (spread over two semesters).

Acceptance Requirements – Honours Stream in the Bachelor of Arts – Criminal Justice

Normally, students will complete a Department application for acceptance into the Honours stream upon successful completion of 25 courses in the Bachelor of Arts – Criminal Justice degree.

Students must also meet the following requirements:

- Minimum Grade Point Average of 3.25 while registered as a student in the Bachelor of Arts - Criminal Justice degree.
- Written sponsorship of a full-time tenured or tenure-track instructor in the Department of Justice Studies indicating a willingness to act as the student's Honours project advisor.

Part-time and term-certain instructors cannot serve as an Honours project advisor unless it is approved by the Chair of the Department.

CONTINUANCE IN THE BACHELOR OF ARTS – CRIMINAL JUSTICE DEGREE

Students accepted into the Bachelor of Arts – Criminal Justice degree program must comply with all University policies and regulations relating to Bachelor of Arts degrees and continuance.

CURRICULUM

Bachelor of Arts – Criminal Justice

PRACTICUM STREAM

The foundation of the Bachelor of Arts – Criminal Justice degree (Practicum Stream) includes eighteen (18) required core courses, three (3) criminal justice option courses, twelve (12) General Education* courses and four (4) Electives, for a total of 37 courses over four (4) years.

*Please consult the University Calendar for information concerning the University's General Education requirements.

The eighteen (18) required core courses in the Bachelor of Arts – Criminal Justice degree (Practicum Stream) consists of the following:

- CRJS 1001 – Introduction to Criminology
- CRJS 1003 – Introduction to the Criminal Justice System
- CRJS 1011 – Introduction to Human Relations
- CRJS 1013 – Diversity Issues and the Criminal Justice System
- CRJS 2003 – Young Persons in Conflict with the Law
- CRJS 2005 – Aberrant Behavior
- CRJS 2009 – Selected Issues in Human Justice
- CRJS 2013 – Interviewing Skills
- CRJS 2015 – Introduction to Research Methods
- CRJS 3001 – Quantitative Research Methods and Data Analysis
- CRJS 3005 – Qualitative Research
- CRJS 3007 – Professional Ethics
- CRJS 3009 – Crisis Intervention and Conflict Resolution
- CRJS 3011 – Criminal Law
- CRJS 4001 – Human Rights and Civil Liberties
- CRJS 4003 – Advanced Criminological Theory
- CRJS 5025 – Capstone Practicum
- PLSC 2243 – Law, Politics and the Judicial Process

All students in the Bachelor of Arts – Criminal Justice (Practicum Stream) must complete three (3) of the following criminal justice option courses (exceptions require Department approval):

- CRJS 2004 – Issues and Trends in Canadian Policing
- CRJS 2006 – Corrections
- CRJS 2008 – Geography of Crime: Prevention, Patterns and Trends
- CRJS 2011 – Comparative Criminal Justice Systems
- CRJS 2019 – Restorative Justice
- CRJS 4002 – Critical Analyses of Forensic Sciences in the Criminal Justice System
- CRJS 4007 – Conflict Resolution
- CRJS 4013 – Evidence and Procedures
- CRJS 4015 – Advanced Topics in Law, Criminology and Criminal Justice
- CRJS 4017 – Casework Methods and Practice
- CRJS 4021 – Women and Crime
- FORE 5501 – Forensic History, Risk Populations and Issues
- FORE 5503 – Forensic Psychiatric and Corrections Populations
- FORE 5505 – Victims of Violence
- FORE 5507 – Forensic Science
- FORE 5509 – Expert Witness Testimony
- FORE 5511 – Crime Scene Investigation and Evidence

BACHELOR OF MIDWIFERY



GENERAL INFORMATION

The Bachelor of Midwifery is a four (4) year baccalaureate degree program that prepares its graduates to provide comprehensive, evidence-based midwifery care to essentially healthy women throughout pregnancy, childbirth and postpartum care to six weeks. Midwifery care is premised on a partnership model in which women fully participate in decision making. Midwives address the physical, socio-cultural and emotional needs of clients, provide supportive teaching and counselling, function in the community and in hospitals and collaborate with other health professions as needed. Program graduates will be prepared to meet established standards for registration and function safely within the Canadian Competencies for Midwives including their own responsibility within the context of the Alberta and Canadian health care systems.

The program is offered over four (4) Fall and Winter academic years with required Spring Semesters. Students completing all degree requirements will be awarded a Bachelor of Midwifery (BMid) degree from Mount Royal University.

GENERAL ADMISSION REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admissions section of this calendar, applicants must also satisfy the following criteria:

ACADEMIC COURSE REQUIREMENTS

Admission is competitive and preference is given to applicants who have the highest average based on the conditional admission criteria for each admission category. In addition to meeting the general admission requirements, the following specific courses (or equivalents) with the specified minimum grades are required for admission into the Bachelor of Midwifery program:

- English Language Arts 30-1 – 60%
- Biology 30
- Chemistry 30
- Math 30 (Pure)

Although Conditional Admission may be granted in advance of receipt of final/official transcripts, confirmation of the achievement of specified minimum grades will take place after all final/official transcripts have been received by the University. Applicants who do not meet these minimum grade requirements will be denied admission.

MINIMUM OVERALL AVERAGE REQUIRED FOR ADMISSION

To be eligible for admission on the basis of High School or Mature, applicants must present a minimum admission average of 70% on their five required and appropriate grade 12 subjects for high school standing and four required subjects for mature standing. To be eligible for admission on the basis of Post-secondary standing, applicants must present a minimum Grade Point Average (GPA) of 2.50 on the 8 most recently completed post-secondary courses (minimum 24 credits).

ADDITIONAL CRITERIA

Selected applicants will be invited for an interview that will assess the qualities deemed important in a prospective health professional such as communication and critical thinking skills.

ABORIGINAL STUDENT ADMISSION

Each year 10 percent of the seats in the Bachelor of Midwifery program will be reserved for Aboriginal applicants through an Aboriginal admission target.

To be considered for admission under the Aboriginal admission target, the applicant must:

- self-identify as an Aboriginal applicant on the Application for Admission
- meet the definition of an Aboriginal Applicant
- meet the minimum admission requirements as indicated in the general admission requirements for Mount Royal University as well as any program level admission requirements

Designated seats for this special consideration target will be filled by Aboriginal applicants on a competitive basis. Applicants are encouraged to apply during Early Admission December 1 – March 1. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements. See general admission requirements in the Admissions section of this calendar for further information.

GENERAL EDUCATION

Mount Royal's Bachelor of Midwifery program requires specific general education courses to meet graduation requirements. These are specified in the program curriculum. For incoming students in the Bachelor of Midwifery program, it is important to seek clarification of these requirements and up-to-date registration information through an Academic Advisor in the Department of Advanced Specialty Health Studies.

TRANSFER CREDIT ASSESSMENT

Transfer credits towards Mount Royal Midwifery (MDWF) courses will be limited to courses that have been successfully completed within seven (7) years from the date of initial registration in the student's original midwifery program.

ACADEMIC PERFORMANCE AND PROGRESSION REQUIREMENTS

In order to be considered a continuing student of record in the Bachelor of Midwifery Program, the student must achieve a minimum overall 'C+' average with no course grade below a C- in all required core courses exclusive of GNED courses. An "EP" (Experiential Pass) grade is required for all MDWF clinical courses. To be eligible for graduation, the student must achieve a minimum cumulative Grade Point Average of 2.3.

A grade below a C- in a required core course or an EF (Experiential Failure) in a MDWF clinical course must be cleared by repeating the course before a student may progress to any further courses. Students whose overall average falls below C+ must complete additional courses to achieve the minimum average.

Students are permitted one re-registration in the same required midwifery course (a course with the prefix MDWF,HLTH,INTS) That is, students are not allowed more than two (2) grades below the minimum pass or two (2) withdrawals in the same midwifery course, nor are they permitted one (1) withdrawal and one (1) grade below the minimum pass within the same midwifery course. Students who are unsuccessful after two registrations in the same midwifery course will be required to withdraw from the program and will not be eligible for re-admission.

Students are permitted one re-registration in each of BIOL 1220 and 1221. That is, students are not allowed more than two (2) grades below the minimum pass in the same biology course.

Students who are unsuccessful after two registrations in the same biology course will be required to withdraw from the program and will not be eligible for re-admission.

GRADING SCHEME

Mount Royal University Bachelor of Midwifery Grading System *

Description	Alpha Grade	4.0 Scale
	A+	4.0
Excellent	A	4.0
	A-	3.7
	B+	3.3
Good	B	3.0
	B-	2.7
	C+	2.3
Minimal pass	C	2.0
Course failure	C-	1.7
	D+	1.3
	D	1.0
	F	0

* The practice (clinical) experience is graded "Pass/Fail" (EP/EF). A student is evaluated according to criteria based on the program and course intents. All criteria must be met at a satisfactory level in order to receive a pass in the clinical experience.

REGULATIONS

Students are responsible for familiarizing themselves with the policies and procedures of Mount Royal University as outlined in the Calendar and the Code of Student Conduct.

DURATION OF THE PROGRAM

Program requirements for degree completion can be completed in four (4) academic years. Students have eight (8) calendar years from the date of initial registration in the Bachelor of Midwifery Degree to complete all requirements. Students seeking an extension beyond eight (8) years may be required to complete additional course work.

CANADIAN MIDWIFERY REGISTRATION EXAMINATION

Students will be eligible to write the Midwifery Examination upon satisfactory completion of all degree program requirements. Students are responsible for all costs related to the examination.

STUDENTS WITH DISABILITIES

When warranted, and without compromising academic and professional midwifery practice standards, Mount Royal University will provide reasonable accommodation for the students with documented disabilities. Students need to fulfill program requirements to be eligible for graduation.

CRIMINAL RECORD CHECKS

For those students doing clinical in either Calgary or Edmonton, the Health Region requires a current criminal record check (dated no earlier than six months prior to the start of the clinical practicum) for all students completing a practicum in their agencies. It is the Health Region's prerogative to accept or reject a student for clinical placement based on the results of the criminal record check.

POLICIES RELATIVE TO MIDWIFERY PRACTICE EXPERIENCE

Students must demonstrate satisfactory clinical performance as delineated in each course syllabus.

Students entering field/practicum placements will be required to sign a Confidentiality Agreement requiring them to maintain strict confidentiality regarding any client information or data.

Students will be familiarized with the Standards of Conduct set out by the Midwifery Health Disciplines Committee under the Alberta Health Disciplines Act prior to clinical placements.

Students must achieve an Experiential Pass (EP) in all clinical placement courses. An Experiential Pass will be equivalent to achievement at the 73% level. The requirements to be met for a grade of EP will be delineated in each course syllabus.

Clinical placements will include scheduled and on-call hours that will include days, nights and weekends. Placements from across the province and potentially from outside the province will be utilized for student experience and many sites may be distant from Calgary. Students will require access to a vehicle and to technologies that allow frequent and regular communication with the Midwifery Program. All travel and accommodation costs associated with practice experiences are the responsibility of the student.

The Midwifery Program reserves the right, at any point, to remove a student from a clinical placement or laboratory setting if the student exhibits unsafe clinical practice or behaviour that places clients or others at risk and/or violates the Standards of Conduct of the Health Disciplines Act. Such removal will result in the student receiving an F grade and may result in dismissal from the Program.

IMMUNIZATION

Proof of up-to-date immunization status is required for all professional practice courses and is the responsibility of the student. All associated costs are the responsibility of the student. Failure to maintain a current immunization status will result in immediate withdrawal from the clinical practice area.

CARDIOPULMONARY RESUSCITATION (C.P.R.) CERTIFICATION

Students must provide annual proof of current C.P.R. Certification for Healthcare Providers. Evidence of certification is to be provided to the Department of Advanced Specialty Health Studies office, by August 15 each year. All associated costs are the responsibility of the student. Failure to maintain current CPR certification will result in immediate withdrawal from the clinical practice area.

INTERRUPTION OF PROGRAM

Students who interrupt their program are advised that they will be required to comply with regulatory guidelines that may have come into effect, in the interim, in regard to their program and requirements. Students will be required to re-apply for admission and notify the Department of Advanced Specialty Health Studies at Mount Royal University in writing by March 15 of their intention to return for the following Fall Semester or by October 1 for the following Winter Semester.

GRADUATION REQUIREMENTS

To be eligible for graduation, students must satisfactorily complete all degree program requirements. Students must maintain an overall minimum GPA of 2.30 to be eligible for graduation. Students completing degree requirements will be awarded a Bachelor of Midwifery degree from Mount Royal. Students applying to graduate must do so by the date published in the Mount Royal University Calendar.

OPPORTUNITIES FOR FURTHER STUDY

The Bachelor of Midwifery degree credential does not guarantee either eligibility for, or admission into, graduate and professional programs. Graduates must meet the individual universities' admission requirements in a competitive process. Students considering graduate school or professional school are encouraged to investigate their postgraduate educational plans with an academic advisor at the institution in which they are seeking to enroll.

CURRICULUM

Bachelor of Midwifery

All BMid students must complete the following courses:

BIOL 1220 – Anatomy and Physiology I

BIOL 1221 – Anatomy and Physiology II

GNED 1101 – Scientific and Mathematical Literacy for the Modern World

or GNED 1102 – Controversies in Science

GNED 1201 – Aesthetic Experience and Ideas

or GNED 1202 – Text and Ideas

or GNED 1203 – Cultured Perspectives on Science

GNED 1301 – Globalization

or GNED 1304 – Communities and Societies

GNED 1401 – Critical Writing and Reading

or GNED 1402 – Writing for Professions

or GNED 1403 – Writing in a Digital Context: Language, Media, Culture

HLTH 2250 – Research for Practice in Health and Community Studies

INTS 1240 – Fundamentals of Interpersonal Communication

MDWF 1001 – Survey of Midwifery - Past and Present

MDWF 1003 – Lab Sciences for Midwifery

MDWF 2001 – Developing Midwifery Skills

MDWF 2003 – Reproductive Physiology

MDWF 2005 – Pharmacotherapeutics

MDWF 2100 – Midwifery Care: Normal Childbearing and Healthy Newborns - Clinical Practice

MDWF 2101 – Midwifery Care: Normal Childbearing and Healthy Newborns - Tutorial

MDWF 2150 – Elective Placement

MDWF 3001 – Pathophysiology

MDWF 3100 – Interprofessional Hospital and Community Health Placements - Clinical

MDWF 3101 – Interprofessional Hospital and Community Health Placements - Tutorial

MDWF 3150 – Midwifery Care: Complications and Consultations - Clinical Practice

MDWF 3151 – Midwifery Care: Complications and Consultations - Tutorial

MDWF 3175 – Midwifery Care: Maternal and Newborn Pathology - Clinical Practice

MDWF 3176 – Midwifery Care: Maternal and Newborn Pathology - Tutorial

MDWF 4100 – Midwifery Clerkship I - Clinical Practice

MDWF 4101 – Midwifery Clerkship I - Tutorial

MDWF 4150 – Midwifery Clerkship II - Clinical Practice

MDWF 4151 – Midwifery Clerkship II - Tutorial

MDWF 4175 – Professional Practice Management

WMST 2221 – Women and Health

Plus one course each from GNED from Cluster 1, Tier 2 or 3; Cluster 2, Tier 2 or 3; and Cluster 3, Tier 2 (mtroyal.ca/gened/courses)

Note: Courses in italics are under development. Courses are not necessarily offered in the sequence shown.

Students are responsible to ensure that all pre-requisite and co-requisite requirements are met prior to registering in a course.

WORK-RELATED PRACTICA

Practica are designed to provide an extension of the learning process in a relevant work environment. Delivered in two semesters, comprising 25 percent of the curriculum for applied baccalaureate degree programs, practica integrate academic learning with paid work experience. Each practica semester has specific course objectives and outcomes. Students are responsible to complete requirements assigned by Mount Royal faculty and are obligated to fulfill commitments made to employers. Successful completion of each semester receives a total of 4 and 8 credits respectively. Given the fluctuating nature of the local labour market, opportunities for work experience can be located outside Calgary, across Canada and in international markets. Students should be prepared to relocate and to receive entry-level compensation.

Practica are considered an academic component of the program. Therefore, students are advised to refer to other parts of the calendar including *Evaluation of Prior Learning and Fees and Deposits*.

CONTINUANCE IN THE PROGRAM

Students accepted into the Bachelor of Applied Ecotourism and Outdoor Leadership degree program must comply with all University policies and regulations relating to applied baccalaureate degrees and continuance. Students enrolled in the Bachelor of Applied Ecotourism and Outdoor Leadership degree program must maintain a minimum grade of "C" (2.00 GPA) in each of the required core courses in the program and maintain a minimum cumulative Grade Point Average of 2.00. Core courses are designated with "ETOL", "RECR", and "PHED."

CURRICULUM

Bachelor of Applied Ecotourism and Outdoor Leadership Year One

COMP 1209 – Introduction to Computing for Applied Degrees
ECOL 1210 – Ecology
ENGL 1101 – Critical Reading and Writing
ETOL 2201 – Foundations of Outdoor Leadership
ETOL 2303 – Sustainable Tourism
ETOL 3303* – Expedition I
GEOG 1101 – The Physical Environment
PHED 1005 – Leadership & Communication in Physical Education
PHED 2402 – Introduction to Backpacking
PHED 2404 – Introductory Rock Climbing
PHED 2410 – Wilderness Survival Techniques
PHED 2414 – Introductory Canoeing
PHED 2416 – Introduction to Kayaking

Year Two

ETOL 2011 – Practicum I
ETOL 2401 – Ecotourism Facilitation Skills
ETOL 3305 – Program Planning
ETOL 3307 – Administration of Outdoor Centres
NTSC 1112 – Introduction to Current Environmental Issues
PHED 2406 – Back Country Skiing
PHED 2408 – Mountain Bike Trekking
PHED 2418 – Introductory Mountaineering
RECR 1247 – Theory and Practice in Leadership
RECR 2217 – Marketing for Sport and Recreation
Arts and Science Requirement
Arts and Science Requirement
Elective 1

Year Three

ENTR 1232 – Entrepreneurship Studies
ETOL 3011 – Practicum II
ETOL 3309 – Individual Projects
GEOG 2443 – Tourism and Recreation Geography
Arts and Science Requirement
Arts and Science Requirement
Arts and Science Requirement
Arts and Science Requirement
Senior Arts and Science Requirement
Elective 2
Elective 3

Year Four

ETOL 4405 – Issues in Ecotourism
ETOL 4409 – Applied Leadership
ETOL 5010 – E-Portfolio
Senior Arts and Science Requirement
Elective 4

CERTIFICATE – ADVANCED STUDIES IN PERINATAL & NEONATAL NURSING

GENERAL INFORMATION

The post-basic certificate program in Advanced Studies in Perinatal & Neonatal Nursing (ASPN) is designed for Registered Nurses and Senior nursing students wishing to develop knowledge and skills in these specialty areas. The theory and clinical courses prepare nurses to provide family-centred perinatal or neonatal care in a variety of patient care settings. Students select and maintain a focus throughout their program of study.

Students may register for either part-time or full-time status. Part-time students will be granted five years from the time of initial registration in the program to complete the requirements for the certificate.

The method of study is distance delivery. Theory courses incorporate a combination of: independent study of written material, videotape, e-mail and instructor/student telephone conferences. Some courses are supported through web/CD-ROM delivery. Each theory course requires 10 to 12 hours per week study time.

For all ASPN focus areas, students must complete at least one clinical course. All clinical courses are instructor and preceptor guided. Faculty will determine the clinical practicum placement depending on availability of clinical facilities and the student's learning needs, skill development and competence. It is imperative for the student to submit a formal request for the clinical practicum to the Coordinator by the end of September for registration in the upcoming Winter or Spring practica. Due to the scarcity and high demand for these specialty clinical areas, there is no guarantee that the placement can be secured as the student has requested. Students may be required to study in Calgary. Students completing their clinical course in Calgary will be required to show proof of a police information check prior to commencing their clinical experience. Students completing their clinical course outside of Calgary may be required to complete a police information check before commencing their clinical course.

Transfer credit agreements exist with Alberta universities. Students must meet the admission requirements for the university they select.

ADMISSION REQUIREMENTS FOR THE ADVANCED STUDIES IN PERINATAL & NEONATAL NURSING CERTIFICATE

Registered Nurses:

- Graduation from a recognized post-secondary educational institution with a diploma or degree **in nursing**.
- Proof of current, active nursing registration.
- Senior nursing students enrolled in a recognized post-secondary educational institution..

In addition, applicants must submit the following documents:

- The Mount Royal Application for Admission form.
- The **ASPN** program information form (available from the department of Advanced Specialty Health Studies).
- Final/Official transcripts from all post-secondary institutions attended.
- Proof of current registration with a provincial nursing association.

CONTINUANCE IN THE PROGRAM AND GRADUATION REQUIREMENTS

A minimum grade of "C" is required in all courses and a total of 18 credits is required for the completion of the Certificate in **Advanced Studies in Perinatal & Neonatal Nursing**.

CURRICULUM

Certificate – Advanced Studies in Perinatal and Neonatal Nursing

Focus: Neonatal Nursing

Core Requirements

ASPN 5501 – Development and Homeostasis

ASPN 5503 – Assessment

ASPN 5506 – Critical Moments I

ASPN 5508 – Critical Moments II

ASPN 5591 – Neonatal Clinical Experience

Focus: Perinatal Nursing

Core Requirements

ASPN 5501 – Development and Homeostasis

ASPN 5503 – Assessment

ASPN 5506 – Critical Moments I

ASPN 5508 – Critical Moments II

ASPN 5593 – Perinatal Nursing Clinical Experience.

Nurses with experience in their area of focus who meet specific criteria may apply for prior learning assessment and recognition. Students should consult with the Program Coordinator. University procedures related to evaluation of prior learning are identified in this calendar.

Entrepreneurship Stream

This unique stream of the SAGE Certificate Program combines courses in Studies in Aging and business, and is designed to prepare graduates to build on existing careers by expanding into new growth industries such as seniors-related businesses in recreation, development and sales of seniors' products and housing, recreational properties, financial services and tourism. The stream uses a combination of courses in gerontology and business. Graduates will gain knowledge of the changing demographics, aging processes, and unique needs of the older adult population. This will be complemented by development of skills in business management and entrepreneurship. The student will have the opportunity to pursue, in more depth, a specific course in either Studies in Aging or business and entrepreneurship, based on their desired area of interest.

COURSE DELIVERY

To facilitate access to the program for adult learners, all SAGE courses are offered by distance delivery. Distance delivery strategies incorporate online materials, telephone tutoring, teleconferencing, video conferencing and web-based activities to enable the coursework to be done anytime anywhere. The Entrepreneurship courses are not online. Some of the business courses will be offered on-site during evenings, weekends, and Spring semester in addition to regular daytime offerings. Students usually take the program on a part-time basis. Students must complete 18 credits to meet the requirements of the certificate.

Core CoursesCredits

ENTR 2201 – Introduction to Entrepreneurship or

ENTR 2301 – The Entrepreneurial Experience

MGMT 2131 – Introduction to Business Administration

SAGE 2401 – Perspectives in Aging

SAGE 3403 – Health and Aging

Electives

Students select one of the following Business courses*

ACCT 2120 – Principles of Accounting

ENTR 2237 – Human Resources for Small Business

HRES 2170 – Introduction to Human Resources

MGMT 3210 – Business Communication Theory and Practice

MGMT 3230 – Business Law

MGMT 4431 – Leadership Development

MKTG 2150 – Introduction to Marketing

Students select one of the following SAGE courses:

SAGE 3407 – Aging and Physical Health

SAGE 3413 – Aging Families

SAGE 3415 – Sexuality and Aging

SAGE 4405 – Aging and Mental Health

SAGE 4417 – Interdisciplinary Teamwork in Aging

SAGE 4499 – Directed Readings

* Students may submit a request to substitute a credit course that they have completed previously for one of the recommended elective courses offered by the Bissett School of Business. Requests must be approved by the Chair, Entrepreneurship and Marketing, and the course must meet the following criteria: a minimum of a three credit course from a post-secondary institution and have a business focus.

CONTINUANCE IN THE PROGRAM AND GRADUATION REQUIREMENTS

A minimum grade of "C" is required in all courses, and a total of 18 credits are required for graduation.

FINANCIAL ASSISTANCE

Information regarding financial assistance is available from the Students' Finance Board and Student Awards and Financial Aid, Mount Royal. Other possible sources of funding include: professional associations, alumni associations, health regions and specialty interest groups.

COOPERATIVE WORK EXPERIENCE

We offer students enrolled in the Bachelor of Computer Information Systems (BCIS) degree program the opportunity to pursue their degree as a Co-operative Education degree.

Students who successfully complete three co-op work terms will be eligible for a notation on both their transcript and their parchment, in accordance with the guidelines of the Canadian Association for Co-operative Education (CAFCE).

For more information on the co-operative work experience program please consult the department.

CONTINUANCE IN THE PROGRAM

Students accepted into the Bachelor of Computer Information Systems degree program must comply with all University policies and regulations relating to baccalaureate degrees and continuance. Students enrolled in the Bachelor of Computer Information Systems degree program must obtain a minimum grade of "C-" in all required computer courses in the program and maintain a minimum cumulative Grade Point Average of 2.00.

CURRICULUM

ACCT 2121 – Financial Accounting Concepts

COMP 1501 – Programming I: Problem Solving using a Programming Toolkit

COMP 1502 – Programming II: Object Oriented Programming

COMP 1511 – Web I: Client Development

COMP 2503 – Programming III: Data

COMP 2521 – Database I - Data Modeling and Query Languages

COMP 2531 – Operating Systems and Computer Architecture

COMP 2541 – Systems Analysis

COMP 3512 – Web II: Web Application Development

COMP 3532 – System Administration and Maintenance

COMP 3533 – Network Infrastructure

COMP 3309 – Information Technology and Society

(General Education Requirement Level 3, Cluster 3)

COMP 4543 – Project Management and Quality Assurance

~~ENTR 2201 – Introduction to Entrepreneurship~~

HRES 2170 – Introduction to Human Resources

MATH 1505 – Puzzling Adventures in Mathematics

(General Education Requirement Level 2, Cluster 1)

MGMT 2130 – Management Principles and Practices

MGMT 3210 – Business Communication Theory and Practice

(General Education Requirement Level 3, Cluster 4)

MKTG 2150 – Introduction to Marketing

Possible Non-credit Work Experience Term

Non-credit Work Experience Term

Elective

Elective

Elective

Elective

Approved Senior Computer Science Option *(1)

Approved Senior Computer Science Option *(1)

Approved Senior Computer Science Option *(1)

Approved Senior Computer Science Option *(1)

Approved Senior Computer Science or Business Option *(3)

Approved Senior Computer Science or Business Option *(3)

Approved Senior Business Option *(2)

Approved Senior Business Option *(2)

Approved Senior Business Option *(2)

General Education Requirement Foundation Level, Cluster 1

General Education Requirement Foundation Level, Cluster 2

General Education Requirement Foundation Level, Cluster 3

General Education Requirement Foundation Level, Cluster 4

General Education Requirement Level 2 *(4)

General Education Requirement Level 2 *(4)

General Education Requirement Level 2 *(4)

General Education Requirement Level 3 *(5)

General Education Requirement Level 3 *(5)

*(1) For Approved Senior Computer Science Option choose from this list:

COMP 3504 – Programming IV: Best Practices in Design and Development

COMP 3551 – GUI Development

COMP 4513 – Web III: Advanced Web Development

COMP 4522 – Database-II: Advanced Databases

COMP 4535 – Computer Security

COMP 4545 – Information Systems Organization

COMP 4553 – Human-Computer Interaction

COMP 4555 – Games Development

*(2) For Approved Senior Business Option choose any 3000-level or higher course offered by the Bissett School of Business

*(3) For Approved Senior Computer Science or Business Option choose from: the list of approved computer science options *(1), or Entrepreneurship 2301 – The Entrepreneurial Experience, or the list of approved senior business options *(2)

* (4) Level 2 General Education Cluster 2, 3, or 4. Students must have one Level 2 course from each cluster.

*(5) Level 3 General Education courses must be taken from at least two different clusters.

GRADUATION REQUIREMENTS

To be eligible for graduation a student must

- Satisfy the curriculum requirements for the Bachelor of Computer Information Systems
 - Attain a minimum GPA of 2.00 on all courses required for the program.
 - Attain a minimum grade of C- in all required computer courses
 - Successfully complete a minimum of three courses from General Education Cluster 4, two of which are level 2 or higher.
 - Successfully complete at least one Work Experience Term
- See General Graduation Requirements section for further requirements

Bachelor of Science – Geology

Entry into the program

Students who are enrolled in the Bachelor of Science – General Science program can apply to transfer into the Bachelor of Science – Geology program early in the Winter semester. This is a competitive process based on overall GPA and GPA in six defined courses from Year 1 of the General Science program. An interview may be necessary. Students are informed of the decision of the Department Earth Sciences at the end of the Winter semester.

Students admitted into the Geology Major must register in the following courses in the Fall semester immediately following their acceptance into the program, in order to maintain their position in the program:

GEOL 2101 Introduction to Geologic Field Methods

GEOL 2103 Minerals and Rocks

GEOL 2105 Structural Geology

Field Schools and Field Trips

Field Schools and Field Trips are an integral part of the Geology major program. Students should note that there will be costs, in addition to tuition, to cover transportation, food and accommodation for the following Field Schools:

GEOL 2101 Introduction to Geologic Field Methods

GEOL 3101 Advanced Geologic Field Methods

Note that these courses will be held for approximately 12-14 days after the end of the Winter semester or before the start of the Fall semester.

In addition to Field Schools, individual courses may include Field Trips as part of the curriculum. These trips are typically 1-2 days in length but may be longer.

The department will make every effort to keep the additional costs to students of Field Schools and Field Trips as low as possible.

Note: Courses in *Italics* are under development

CHEM 1201 – General Chemistry I

CHEM 1202 – General Chemistry II

COMP 1001 – Introduction to Computer-Based Problem Solving for the Sciences

GEOL 1101 – Physical Geology

GEOL 1103 – Historical Geology

GEOL 2101 – Introduction to Geologic Field Methods

GEOL 2103 – Minerals and Rocks

GEOL 2105 – Structural Geology

GEOL 2107 – Paleontology

GEOL 2109 – Stratigraphy and Sedimentation

GEOL 2111 – Crystallography and Optical Mineralogy

GEOL 3101 – Advanced Geologic Field Methods

GEOL 3103 – Igneous Petrology

GEOL 3107 – Geomorphology

GEOL 3109 – Sedimentary Petrology

GEOL 3111 – Metamorphic Petrology

GEOL 3113 – Geochemistry

GEOL 4101 – Advanced topics in Sedimentary Geology or

GEOL 4103 – Advanced topics in Igneous/Metamorphic Geology.

GEOL 4105 – Hydrogeology

GEOL 4107 – Geological History of Western Canada

GEOL 4109 – Petroleum Geology

GEOL 4111 – Ore Deposits and Economic Geology

GEOL 4113 – Geoscience Research

GEOP 3101 – Exploration Geophysics

MATH 1200 – Calculus for Scientists I

MATH 1203 – Linear Algebra for Scientists and Engineers

MATH 2235 – Statistics with Applications in Geology

PHYS 1201 – Classical Physics I

PHYS 1202 – Classical Physics II

General Education Requirement Foundation Level, Cluster 1

General Education Requirement Foundation Level, Cluster 2

General Education Requirement Foundation Level, Cluster 3

General Education Requirement Foundation Level, Cluster 4

General Education Requirement Level 2, Cluster 1

General Education Requirement Level 2, Cluster 2

General Education Requirement Level 2, Cluster 3

General Education Requirement Level 2, Cluster 4

General Education Requirement Level 3

General Education Requirement Level 3

General Education Requirement Level 3

FACULTY OF TEACHING AND LEARNING



PROGRAMS OFFERED

Bachelor of Education (University Transfer Program) (Intake Suspended)

Bachelor of Education (Elementary)

General Education

FACULTY INFORMATION

Dean, J. Zimmer, 403.440.7204

Faculty: 403.440.5989

Academic Development Centre

Department: 403.440.6042

Director, T. Matus: 403.440.6764

Manager, Learning Technologies, A. Veinotte: 403.440.7253

Media Production Team Lead, A. Gruber: 403.440.7232

Department of Education and Schooling

Department: 403.440.7729

Chair, I. Naested 403.440.6428

Department of General Education

Department: 403.440.5935

Chair, K. Dharamsi: 403.440.8658

Institute for Scholarship of Teaching and Learning

Department: 403.440.5503

Director, R. Gale: 403.440.5606

BACHELOR OF EDUCATION (UNIVERSITY TRANSFER)

NOTE: Admission into this program has been suspended for Fall 2011

GENERAL INFORMATION

Mount Royal University offers you the opportunity to discover if teaching is the career for you. Education courses are designed to give you a sound understanding of teaching and learning. Education 1231, 1233, 2321 and 2371 include practical experience. In each of these courses, you will have a placement in a public, separate or private school working with students and teachers.

An education coordinator, academic advisors and counsellors are available to assist you in career counselling, course selection, information on universities and university transfer.

Sample program guides, showing first year course patterns, are available on the Academic Advising Services website under the Program Planning tab. advising.mtroyal.ca

Mount Royal students may enrol in education courses that are fully transferable as unspecified courses to the University of Calgary. Education courses transfer directly to the University of Lethbridge, where they will count as part of the core curriculum in their Bachelor of Education program. You can take up to 20 university transfer courses at Mount Royal University to transfer to a receiving institution, although some programs may have lower transfer limits. Please note that you must meet the admission requirements of the receiving institution.

The Calgary school boards require that adults working in the school possess a recently completed Police Security Clearance letter. Thus, students will be required to obtain more than one Police Security Clearance during their program of studies. All costs related to the Police Security Clearance check are the responsibility of the student. The clearance letters will be provided to the student and the student is responsible to ensure that a copy of the clearance letter is received by the Admissions Office of Mount Royal as a condition of admission to the Bachelor of Education program. The student is also required to present this clearance letter to the Calgary school when the placement begins.

Since both completion of the course requirements and eventual employment in the field of Education may be dependent upon the results of such checks, students who have concerns should discuss the matter with the Department of Education and Schooling Chair or designate prior to applying for admission. If a student is denied placement, they are then not able to meet course requirements and will be required to withdraw from the program.

Police Security Clearance checks are obtained from the police department having jurisdiction where the student normally resides. For students resident in Calgary, the appropriate agency is the Calgary Police Service (Security Clearance Unit, 316 – 7 Avenue SE Calgary, AB, T2G 4Z1, phone 403-268-2052). Outside of Calgary, students should contact their local police agency. At the time of publication, the typical cost of a clearance check for volunteers was between \$25 and \$50.

The conduct of all students registered at Mount Royal University is governed by the Code of Student Conduct. In addition, students enrolled in the Education program and courses are bound by, and shall comply with, the Alberta Teacher's Association Professional Code of Conduct. Issues of non-compliance may warrant action being taken under the Code of Student Conduct and/or in the student being required to withdraw from the Education program. Mount Royal University offers the following courses for students wishing to pursue a career in teaching or interested in finding out if it is a suitable career:

- EDUC 1209 – The Learner: Elementary Art Education I (formerly 2209)
- EDUC 1231 – The Teacher: Professional Dimensions I (formerly 2231)
- EDUC 1233 – The Teacher: Professional Dimensions II (formerly 2233)
- EDUC 2307 – The Learner: Elementary Art Education II (formerly 3307)
- EDUC 2312 – The Learner: Elementary Music Education I (formerly 3312)
- EDUC 2321 – The Learner: Education and Individual Development (formerly 3321)
- EDUC 2325 – The Community: Understanding Current and Emerging Pedagogical Technologies (formerly 3325)
- EDUC 2371 – The Learner: Language Development and Literacy (formerly EDUC 3371)
- EDUC 4321 – The Teacher: Developing a Philosophy of Education
- EDUC 4325 – The Community: The Impact of Social Issues in Education and Schooling
- EDUC 4491 – The Community: Community Involvement in the Fine Arts (formerly 3491)

Transfer Credit Note: Please check the current Alberta Transfer Guide and your academic advisor for further information.

The major and non-education option course offerings vary depending on the area of specialization you choose and/or the level of teaching (elementary or secondary).

GENERAL ADMISSION REQUIREMENTS

All students must meet the general admission requirements for Mount Royal University programs, as indicated in the *Admissions* section of this calendar.

ADDITIONAL ADMISSION REQUIREMENTS – BACHELOR OF EDUCATION UNIVERSITY TRANSFER PROGRAM

In addition to meeting the general admission requirements indicated in the *Admissions* section of this calendar, applicants must also satisfy the following criteria.

ACADEMIC COURSE REQUIREMENTS

- English Language Arts 30-1 – 60%
- Mathematics 30 (Pure or Applied) or a second Language 30

Although Conditional Admission may be granted in advance of receipt of final/official transcripts, confirmation of the achievement of specified minimum grades will take place after all final/official transcripts have been received by the University. Applicants who do not meet these minimum grade requirements will be denied admission.

ANTH 2231 – The Anthropology of Gender (formerly ANTH 3331)

(3 credits – TG) 3 hour lecture

This course is a comparative analysis of gender as a central feature of social identity and social relations of power. Biological, archaeological, feminist and post-modern approaches to the understanding of women's and men's experiences in their historical and cultural varieties form the basis of the course. Case studies will be drawn from western and non-western cultures around the world.

Prerequisite: Anthropology 1103 or consent of the department.



ANTH 2233 – The Anthropology of Religion

(3 credits) 3 hours lecture

This course surveys anthropological approaches to the study of religion. Topics will include religious specialists, such as shamans, sorcerers and priests; practices such as witchcraft, sacrifice, spirit possession, and healing; the role of religion and religious rituals in various cultures; and the ways in which religious belief and practice responds to and promotes social and cultural change.

Prerequisite: Anthropology 1103 or consent of the department.

ANTH 2235 – Culture and Environment of Selected Circumpolar Peoples (formerly ANTH 3335)

(3 credits – TG) 3 hours lecture

This course is an ethnographic survey of the Peoples and cultures of the circumpolar area with an emphasis upon environmental adaptation and the effects of culture contact. Selected cultures include the Sámi, Chukchi, Evenks and Tungus, Aleuts, Yupik, Inuit, Athabascans and Algonquians.

Prerequisite: Anthropology 1103 or consent of the department.

ANTH 2241 – Ethnography in Anthropology

(3 credits) 3 hours lecture

Ethnography ("writing culture") is central to the discipline of Anthropology. Through the reading of complete ethnographic works and critical treatises on ethnography, students will explore the entirety of the ethnographic enterprise: how ethnography allows unique insights into specific cultures, how ethnographic research is designed and carried out, how ethnographic texts are constructed, and how ethnographic representations have been responded to and interpreted.

Prerequisite: Anthropology 1103.

ANTH 2243 – Anthropology Through Film

(3 credits – TG) 3 hours lecture

This course takes a historical and theoretical perspective of ethnographic film, the visual medium through which anthropologists and filmmakers have "captured" and presented human cultural experience for almost 100 years. Students will engage in a critical analysis of the representations presented in ethnographic film and consider relationships between the development of the ethnographic film genre and the development of Anthropology as a whole.

Prerequisite: Anthropology 1103 or consent of the department.



ANTH 2253 – Introduction to Applied Archaeology (formerly ARKY 3313)

(3 credits) 3 hours lecture

This course is an introduction to the methods of archaeological reconnaissance and survey. Heritage Resource Impact Assessment Studies required by legislation enacted in Western Canada will be emphasized. Searches of government files, topographic map and aerial photo interpretation will form the core of the course material. The ability to locate archaeological sites using the UTM and legal land description systems will be acquired as well.

Recommended Preparation: Anthropology 1104.

Note: Anthropology 2253 cannot be used as partial credit for either Anthropology 2290 or 2291.

ANTH 2255 – An Ethnographic Survey of Native North America (formerly ANTH 3355)

(3 credits – TG) 3 hours lecture

This course provides an overview of native cultures of North America, examining relationships among subsistence and settlement patterns, material culture, social and political organization, ideological structures, ceremonial life, mythology and art. Because of the number and diversity of native peoples in North America, "typical" groups from each culture area will form the basis of description and analysis.

Prerequisite: Anthropology 1103 or consent of the department.

ANTH 2258 – Anthropology in the Public Eye (formerly ANTH 3358)

(3 credits – TG) 3 hours lecture

This discussion-based course focuses on the public's perception of Anthropology, not content of Anthropology itself. Students will take an anthropological perspective by critically examining and evaluating the relevance, and substance of current topics such as the role of the media, popular perspectives, public engagement, repatriation of mortuary remains, anthropological representation in museums, ethics, and the antiquities trade.



ANTH 2270 – Archaeology of Egypt and the Nile Valley (formerly ARKY 3331)

(3 credits – TG) 3 hours lecture

This course provides an overview of the development of civilizations along the Nile. Beginning with hunter-gatherers, archaeological evidence will be reviewed detailing the transition to civilizations. Emphasis will be placed upon archaeological evidence, history and epigraphy in understanding the two major civilizations of the Nile Valley: Egypt and Kush.

ANTH 2283 – Anthropological Perspectives on Discourse Strategies (formerly ANTH 3383)

(3 credits) 3 hours lecture

This course examines cultural constructions of narrative and discourse. Topics include inter-tribal and inter-ethnic interaction; communication between genders and classes; discourse in institutional settings such as the courtroom, classroom and work settings; and discourse in the media.

Prerequisite: Anthropology 1106 or consent of the department.

ANTH 2290 – Field Course in Archaeological Techniques I (formerly ARKY 3317)

(3 credits – TG) 3 weeks Field Work

This course provides an introduction to the practical application of modern field techniques in Archaeology, including excavation and recording and analysis of sites, artifacts, and related materials. The course will require travel to an international archaeological site, usually during the summer.

Prerequisites: Anthropology 1104 and 2215.

Note: Anthropology 2253 and 2290 cannot be used as partial credit for 2291.

Note: Students will be responsible for paying all costs, including travel associated with the international field school experience.

ANTH 2291 – Field Course in Archaeological Techniques II (formerly ARKY 3319)

(6 credits – TG) 6 weeks Field Work

This course provides a comprehensive introduction to the practical application of modern field techniques in archaeology, including excavation and recording and analysis of sites, artifacts, and related material. This course will require travel to an international designated archaeological site, usually during the summer.

Prerequisite: Anthropology 1104 and 2215

Note: Anthropology 2253 and 2290 cannot be used as partial credit for Anthropology 2291.

Note: Students will be responsible for paying all costs, including travel, associated with the international field school experience.

ARTH 4850 – Topics in Art History

(3 credits) 3 hours lecture

This course offers the opportunity for advanced study of selected topics in art history. Specific content will vary by term and instructor.

Prerequisite: One of Art History 3309, 3311, 3313, 3315 and 3317.

ARTH 3199, 4199 – Directed readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

ASTRONOMY (ASTR)

ASTR 1101 – The Solar System (formerly ASTR 2201)

(3 credits – TG) 3 hours lecture

This is primarily a descriptive course aimed at non-science students. Conceptual understanding will be stressed over strict mathematical derivation. The topics covered in this course emphasize astronomy in our own solar neighbourhood. Topics include the Sun, the terrestrial and Jovian planets and their moons, comets, asteroids, as well as the formation of the solar system.

Note: Only one of Astronomy 1101 and Astronomy 1301 can be used for graduation purposes.

ASTR 1103 – The Universe at Large (formerly ASTR 2203)

(3 credits – TG) 3 hours lecture

This is primarily a descriptive course aimed at non-science students. Conceptual understanding will be stressed over strict mathematical derivation. The topics covered in this course emphasize larger-scale astronomy. Topics include the lives and deaths of stars, supernovae, pulsars, black holes, the Milky Way and other galaxies, active galaxies and quasars, and cosmology.

Note: Only one of Astronomy 1103 and Astronomy 1301 can be used for graduation purposes.

ASTR 1301 – Fundamentals of Astronomy I (formerly ASTR 2211)

(3 credits – TG) 3 hours lecture, 1 hour tutorial, 1 hour lab

This course covers basic concepts of astronomy, with emphasis on our solar system. Topics include spherical astronomy, Newton's laws and gravitation, time, elements of celestial mechanics, astronomical observation and measurement, telescopes, the planets and their satellites, as well as the sun and the rest of the solar system. This course stresses scientific explanation and uses mathematics, the language of science, extensively.

Prerequisites: Mathematics 30 (Pure or Applied) and Physics 30 or equivalent. This course is recommended for science majors.

Note: Only one of Astronomy 1101 and 1301 can be used for graduation purposes.

BIOCHEMISTRY (BCEM)

BCEM 2201 – General Biochemistry

(3 credits – TG) 3 hours lecture, 3 hours lab

This course deals with the biochemistry of the major groups of biological molecules. Topics include carbohydrates, polypeptides, lipids, nucleic acids, and their precursors. Laboratory exercises will involve the isolation and characterization of selected biological molecules.

Prerequisite: Chemistry 2101 with a grade of C- or higher.

Prerequisite or Co-requisite: Chemistry 2102.

BCEM 3201 – Protein Biochemistry

(3 credits) 3 hours lecture, 3 hours lab

The structure function relationships that exist within this broad category of biomolecules will be investigated. Topics will include levels of protein structure, domains, mosaics, and functional roles of selected proteins or protein classes. Laboratory exercises will involve the utilization of purification techniques in the isolations of selected proteins from simple cellular systems.

Prerequisite: Biochemistry 2201 with a grade of C- or higher.

BCEM 3202 – Enzymes and Metabolic Systems

(3 credits) 3 hours lecture, 3 hours lab

Students will investigate the nature of catalytic proteins, their properties, and the kinetics of enzyme catalyzed reactions. An understanding of these concepts will then be applied to some of the important metabolic pathways that support life. Laboratory exercises will highlight the study of enzymes and metabolism.

Prerequisites: Chemistry 2102 with a grade of "C-" or higher, and Biochemistry 2201 with a grade of "C-" or higher.

BCEM 4212 – Biochemical Pharmacology

(3 credits) 3 hours lecture, 2 hours seminar

This course covers the fundamental biochemical and physiological concepts of pharmacology. Important concepts include drug administration, sites of action, distribution, metabolism, elimination and adverse effects. The biochemical mechanisms themselves and how they are related to physiological states and effects such as neuronal excitation, blood pressure, and inflammation will be examined. Frequently encountered drugs are used to illustrate these concepts.

Prerequisites: Biochemistry 2201 with a grade of C- or higher.

BIOLOGY (BIOL)

BIOL 0115 – Introduction to Biology

(0 credits) 3 hours lecture, 1 hour tutorial, 3 hours lab

This is a credit-free upgrading course; special fees apply. Topics include energy flow in the biosphere, energy flow in the cell, adaptation, population and matter and energy exchange.

Corresponding Alberta High School Equivalent: Biology 20.

BIOL 0130 – Fundamentals of Biology

(0 credits) 3 hours lecture, 1 hour tutorial, 3 hours lab

This is a credit-free upgrading course; special fees apply. Topics in this course include: cell chemistry, cell ultra-structure, organelle function, metabolic pathways of photosynthesis and respiration, mitotic and meiotic processes, genetics and heredity and human systems.

Corresponding Alberta High School Equivalent: Biology 30.

Recommended Preparation: Biology 0115 or Biology 20.

BIOL 1202 – Introduction to Cell Biology (formerly BIOL 2231)

(3 credits – TG) 3 hours lecture, 3 hours lab

This course will employ an inquiry approach to expose students to the biology of the cell. The major groups of biological molecules will be studied prior to introducing students to how these macromolecules interact to form prokaryotic or eukaryotic cells. Laboratories will introduce students to basic equipment and techniques used in the study of cells and also develop authentic laboratory skills.

Prerequisite: Chemistry 30 or equivalent.

BIOL 1204 – The Evolution of Eukaryotes (formerly BIOL 2233)

(3 credits – TG) 3 hours lecture, 3 hours lab

This course follows Biology 1202 and moves from an investigation of cellular biology to the mechanisms of evolution which has provided much of the diversity seen in modern eukaryotes. It will provide insight into the necessity and methods of determining evolutionary history using the major groups Protista, Fungi, Plants, and Animals. Evolution will be used as a context in which biological diversity can be explained.

Prerequisite: Biology 1202 with a grade of C- or higher.

BIOL 1205 – The Organization and Diversity of Life (formerly BIOL 2205)

(3 credits – TG) 3 hours lecture

This course introduces students to the diversity of living organisms and to the common patterns of organization and function that unite them. Particular emphasis is placed on evolution as a unifying principle in biology. The evolutionary history of modern organisms is explored.



BIOL 1212 – Human Anatomy and Physiology

(3 credits – TG) 3 hours lecture, 2 hours lab

This course provides an introduction to the anatomy and physiology of the systems of the human body. Topics include cells and tissues plus the anatomy and physiology of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, immune, respiratory, digestive, urinary and reproductive systems.

**BIOL 1215 – Evolution and Heredity**

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This course is designed to give students an appreciation of evolution by explaining the mechanisms of the evolutionary process in terms of the laws of inheritance as well as the interaction of heredity and the environment. It is oriented toward human populations, their biological histories and their congenital medical problems.

Recommended Preparation: Biology 30 or equivalent.

BIOL 1216 – Human Physiology

(3 credits – TG) 3 hours lecture, 3 hours lab

This course describes how the systems of the human body perform their functions. Topics include physiology of the nervous system, hormonal control mechanisms, muscle physiology, body defence mechanisms and physiology of the reproductive, circulatory, respiratory, urinary and digestive system. Labs are designed to let the student discover and gain an appreciation of how his/her body functions.

Prerequisite: Biology 30 or equivalent.

**BIOL 1220 – Anatomy and Physiology I**

(3 credits – TG) 3 hours lecture, 3 hours lab

A basic course in human anatomy and physiology designed for students in the health studies fields. Topics include: terminology, membranes, skin and glands, cells and tissues, the skeletal system, the muscular system, central and peripheral nervous systems, autonomic nervous system, and the endocrine system. Each topic includes an emphasis on homeostasis.

BIOL 1221 – Anatomy and Physiology II

(3 credits – TG) 3 hours lecture, 3 hours lab

This course is a continuation of Biology 1220 and involves a second semester of basic human anatomy and physiology. It includes the following systems and areas: the cardiovascular system, the lymphatic system, the immune system, the respiratory system, digestion and nutrition, the urinary system, body fluids, electrolytes and fluid balance, the reproductive systems and embryology. Each topic includes an emphasis on homeostasis.

Prerequisite: Biology 1220.

BIOL 2101 – Genetics (formerly BIOL 3311)

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This course will provide an overview of genetic principles through the historical recounting of seminal work and the logic used therein, and then connect theory to practical skills such as gene mapping and pedigree interpretation. Students will be introduced to the connection between the central dogma of modern biology (replication, transcription, and translation) and the establishment of phenotype. Tutorials will provide a venue for students to map genes in a model experimental organism using microscopy and statistical techniques.

Prerequisite: Biology 1202 or equivalent, with a grade of C- or higher.

BIOL 2102 – How They Do It: Patterns of Reproduction (formerly BIOL 3317)

(3 credits – TG) 3 hours lecture

Reproduction is one of the fundamental properties of living systems. This course will cover a broad range of biological topics using reproduction (both asexual and sexual) as a unifying theme.

Prerequisite: Biology 1205 or Biology 1202 with a grade of C- or higher, or consent of the department.



Note: This course is not recommended for students majoring in the biological sciences.

BIOL 2202 – Cellular and Molecular Biology (formerly BIOL 3331)

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This course provides a thorough study of cell structure and function. Topics studied are (a) basic genetic mechanisms including the characteristics of chromosomes, DNA replication and repair, transcription and translation, and the regulation of gene expression, (b) methods used to study macromolecules and to visualize cells, (c) characteristics of membranes, (d) organelles, (e) cell communication, (f) the cell cycle and cell division, (g) cell junctions, cell adhesion and the extracellular matrix, and (h) cancer.

Prerequisite: Biology 2101 or equivalent with a grade of C- or higher.

BIOL 2203 – Human Anatomy (formerly BIOL 1214)

(3 credits – TG) 3 hours lecture, 3 hours lab

This course provides a systematic survey of the structure of the human body. Topics include cells and tissues of the body plus the anatomy of the skeletal, articular, muscular, digestive, respiratory, urinary, reproductive, circulatory, nervous, integumentary and endocrine systems. Labs are designed to provide practical demonstrations that parallel the material discussed in the lectures.

Prerequisite: Biology 1202 with a grade of C- or higher.

**BIOL 2204 – Zoology II: Deuterostomes (formerly ZOO L 3377)**

(3 credits) 3 hours lecture, 3 hours laboratory

This course examines the biology of deuterostomes, including ambulacrarians (non-chordate deuterostomes), non-vertebrate chordates and vertebrates. Particular emphasis will be placed on the comparative anatomy of the vertebrates, and the various ways in which vertebrates have solved common biological problems. Laboratory exercises will consist largely of dissection of representative vertebrates.

Prerequisite: Biology 1204 with a grade of C- or greater, or equivalent, or permission of the department.

BIOL 2213 – Principles of Ecology and Evolution (formerly BIOL 3313)

(3 credits – TG) 3 hours lecture, 3 hours lab

This course introduces ecological processes and evolutionary principles that explain the origin, maintenance, and dynamics of biological diversity. Ecological interactions will be studied to understand the evolution of traits, and the dynamics of populations and communities. Mechanisms of genetic change of populations will be discussed and how these changes give rise to large-scale evolutionary patterns.

Prerequisite: Biology 1204 with a grade of C- or higher.

BIOL 2214 – Zoology I: Protostomes

(3 credits) 3 hours lecture, 3 hours lab

A survey of the diversity and evolution of the protostomes and the lower invertebrates. The evolution of the increasing grades of organization from cellular to organ system, and type of body plan (acoelomate, pseudocoelomate, and schizocoelomate), is discussed with reference to the major phyla. Emphasis is placed on functional morphology of groups, such as the Annelids, Molluscs and Arthropods.

Prerequisite: Biology 1204 with a grade of C- or higher.

BIOL 2215 – The Human Organism (formerly BIOL 3305)

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This course provides an overview of structure and function in the human body. The interaction of body systems with diet, pathogens and environmental agents will be discussed as it relates to health and disease. Where appropriate, the implications of human biology for society will be explored.

Prerequisite: Biology 30 or equivalent, or Biology 1205 with a grade of C- or higher or equivalent, or consent of the department.



Note: Not recommended for majors in the Biological Sciences.

CHIN 3199, 4199 – Directed readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

CLASSICS (CLAS)**CLAS 1111 – The Technical Terms of Medicine and the Life Sciences (formerly CLAS 2211)**

(3 credits – TG) 3 hours lecture

The Greek and Latin elements of modern medical and life-sciences terminology.

COMMUNICATIONS (COMM)**COMM 1112 – Introduction to Radio Writing**

(3 credits) 3 hours lecture

This course is reserved for Broadcasting students, and is designed to provide students with necessary skills required to write for radio. Students are introduced to the art of writing for sound through writing and producing commercial and public service announcements. In addition, students learn research techniques, interviewing, logging, programming as well as how to contact and work for advertising clients and prepare radio campaigns.

COMM 1114 – Introduction to Broadcast Journalism (Radio)

(3 credits) 1 hour lecture, 1 hour tutorial, 2 hours lab

This course is reserved for Broadcasting students and is designed as an introduction to journalism for radio, with concentration on newsgathering and news presentation. While developing students' radio news judgement, this course will also develop students' general news judgement. Students will learn to write news for broadcast.

COMM 1116 – Introduction to Radio Operations

(3 credits) 1 hour lecture, 2 hours tutorial

This course is reserved for Broadcasting students and emphasizes the operation of typical equipment used in most am and fm radio stations. Students will learn the techniques involved in the cueing and playing of various audio formats. They are also taught editing, recording and dubbing, program mixing and microphone techniques. Other areas covered include program preparation, documentary production, production values, programming and music selection. Students will also spend at least two hours each week on-air on CMRC, our internet radio station.

COMM 1144 – Digital Photography for Broadcast

(3 credits) 1 hour lecture, 2 hours tutorial

This is an introductory course designed to provide the second-year broadcasting students with basic knowledge of digital photography techniques and the use of Adobe Photoshop and its applications to the television medium. Topics include: digital camera operations, exposure control, lighting, composition, colour correction, file formats and the use of Adobe Photoshop to create backdrops for green screen use. Students should supply their own 5 MP or better digital camera.

COMM 1201 – Advanced Radio Operations

(3 credits) 2 hours lecture, 2 hours lab

Students will receive advanced audio technical skills, specific to their course choice. All students will engage in a variety of live and pre-produced broadcast exercises that will allow them to demonstrate these advanced production skills. In addition, students will participate in various group projects such as radio dramas and variety/talk shows. Each student will be required to work weekly shifts in all areas of CMRC's operation.

Prerequisites: Communications 1112, 1114 and 1116 and 1206.

COMM 1202 – Radio Commercial Writing

(3 credits) 1 hour lecture, 3 hours tutorial

This course is designed to expand the fundamental radio writing skills of students through regular weekly copy-writing assignments for use on CMRC, editorial writing, research for talk show format, production of radio documentaries, and production of commercials and public service announcements. Students will also be working on a variety of presentation and promotional assignments, many in conjunction with Communications 1201.

Prerequisites: Communications 1112, 1114 and 1116 and 1206.

COMM 1203 – Radio News

(3 credits) 1 hour lecture, 3 hours tutorial

Through regular assignments for use on the CMRC radio station, students are trained to handle an increasing volume of work under pressure of deadlines and to apply broadcast journalism skills through reporting on meetings, panel discussions and press conferences. Students will complete a ten-minute radio current affairs documentary. In addition, students will be assigned a regular news beat and will report on their beat at regularly scheduled intervals throughout the semester. Students will also host various current affairs programs such as live election night specials, political convention coverage and live coverage of public meetings.

Prerequisites: Communications 1112, 1114 and 1116 and 1206.

COMM 1204 – Broadcast Journalism (Television)

(3 credits) 1 hour lecture, 2 hours lab

Students are introduced to the television application of Broadcast Journalism. Through regular news assignments for CMRC-TV News Shows, using electronic newsgathering equipment and techniques, students will develop newsgathering, writing, reporting and presentation skills for television.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209 and 1202 or 1203.

COMM 1205 – Radio Practicum

(3 credits) 90 hours practicum over 3 weeks

This course provides a practical experience in radio broadcasting through one or more internships with local radio stations. Areas of emphasis will include commercial writing, foreground writing, research, radio news, traffic, music library and radio production.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241, 1244, and 1202 or 1203, and 1211 and 1213 or 1242 and 1245 or 1247 and 1248.

COMM 1206 – Radio Performance

(3 credits) 1 hour lecture, 2 hours tutorial

This course will focus on news reading and broadcast presentation skills. Emphasis is placed on interpretation and the ability to lift the word from the printed page with credibility. Students will also write and perform a commentary.

Prerequisite: All previous required 1100-level and 1200-level Broadcasting courses.

COMM 1209 – Television Operations

(3 credits) 3 hours lecture, 7 hours tutorial over 3 weeks

This course provides an introduction to the operation of basic television equipment: television camera, audio board, television lights, microphones, video switcher and television graphics. This course will also include basic interviewing techniques for television.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201 and 1202 or 1203

COMM 1211 – Advanced Television Production

(6 credits) 1 hour lecture, 2 hours tutorial, 6 hours lab

In this course, students will acquire sophisticated operational skills on television equipment through a practical approach to production techniques including commercial, program and news production and pre-production projects; principles of directing; and advanced operational skills including editing, shooting and lighting for both studio and on-location projects.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1213 – Extended Broadcast Studies

(3 credits) 1 hour lecture, 2 hours tutorial

This course runs in tandem with Communications 1211. It is designed to provide second-year broadcasting students in the operations 'stream' with increased exposure to broadcast production techniques. Topics include: advanced audio recording and camerawork, nonlinear editing, specialized lighting and mobile productions.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1240 – Television Program Production and Television Operations

(3 credits) 1 hour lecture, 2 hours tutorial, 3 hours lab

Students learn the techniques and disciplines of television production in this course. This course further develops skills in audio, lighting, VTR editing, camera, studio directing and switching. Students will be introduced to Electronic Field Production. Directing a television interview will form the basis of learning the basic principles of directing. Students also develop skills in on-air work.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209 and 1202 or 1203.

COMM 1241 – Television Creative Writing/Producing

(3 credits) 1 hour lecture, 2 hours tutorial, 3 hours lab

This course is designed to introduce students to the basics of television commercial writing and production. The theory of commercial writing will be discussed and sample commercials will be viewed and analyzed. Practical exercises in commercial writing and production will be carried out on a weekly basis, enabling students to produce commercials, promotional materials and presentations.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209 and 1202 or 1203.

COMM 1242 – Advanced Television Creative Writing/Producing

(6 credits) 1 hour lecture, 2 hours tutorial, 6 hours lab

This course is for students who wish to continue on a more advanced level towards qualifying for a writer/producer position in a commercial television station operation. More advanced writing and production techniques will be examined and carried out, along with a number of presentation and commercial projects.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1244 – Broadcast Industry Organizational Structure

(3 credits) 1 hour lecture, 2 hours tutorial

This course gives students an understanding of Broadcast organizations and companies, including the varied landscape of media ownership, content distribution, revenue sources, and licensing requirements. Factors such as new technology, the regulatory framework in Canada, and challenging economic environments past and present will be examined in the context of how these factors impact the product that ultimately is picked up by broadcast audiences.

Prerequisite: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1245 – Advertising for Broadcasters

(3 credits) 1 hour lecture, 2 hours tutorial

This course covers the theory and practice of advertising. The specifics will include communication plans and focus group testing, both done in conjunction with Communications 1242 assignments. Students will learn the basics of print advertising, media campaigns, media buying, marketing and various advertising techniques currently used.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1246 – Broadcast Sales

(3 credits) 1 hour lecture, 2 hours tutorial

This course covers is reserved for Broadcasting students and covers the disciplines and techniques used by radio and television salespersons. Media sales terminology, media buys, station ratings, types of rate cards and their use, sales presentations and marketing theory will form the basis for this course.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1247 – Television News Production

(6 credits) 1 hour lecture, 2 hours tutorial, 6 hours lab

This course is for students who wish to specialize in television news. The focus of the course will be the theory and practice of news line-up, writing, reporting, presenting and producing.

Prerequisite: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1248 – Television News and Documentary Writing

(3 credits) 3 hours lecture

This course is for students who wish to specialize in television news. It emphasizes advanced techniques for writing news for television, including the principles and practices of beat reporting, as well as reporting politics, business and social issues. Investigative reporting principles and practices will be introduced.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241 and 1202 or 1203.

COMM 1281 – Television Practicum

(3 credits) 90 hours practicum over 3 weeks

This course will be offered in the Spring Semester following the fourth semester in the Broadcasting program. Communications 1281 will provide a practical experience in television through one or more internships with television stations and production companies. Areas of emphasis will include commercial writing and producing, promotions, operations and news.

Prerequisites: Communications 1112, 1114, 1116, 1206, 1201, 1209, 1204, 1240, 1241, 1244, and 1202 or 1203, and 1211 and 1213 or 1242 and 1245 or 1247 and 1248.

COMM 1600 – Foundations of Information Design

(3 credits) 3 hours lecture

Introduction to information design through a survey of the field's evolution and current status; its theoretical foundations, key concerns and issues, core competencies and specializations, and the technologies and societal trends that will impact the work of information in the future. Emphasis is placed on developing a strong professional identity and the process of career planning.

COMM 1610 – Tools for Information Designers

(3 credits) 3 hours lecture, 1 hour lab

Information design occurs over a variety of media, uses a variety of strategies, and a range of specialized tools. This course introduces students to the software environments that have been adapted to meet strategic issues in design. Using a case-study approach, the course requires students to solve real-world information design problems using appropriate tools and methods. The course is roughly divided between paper-based and web-based and digital publishing outcomes. Major topics include file management, text management, graphics; quality assurance, color systems, preformatted elements, and multi-purposing.

COMM 1620 – Foundations of Graphics

(3 credits) 3 hours lecture, 1 hour lab

An inquiry into the foundations of graphics as they relate to visual communication and visual problem solving. The goal is to develop an understanding of the inventive potential of form to create meaning. The emphasis will be on developing this understanding through an iterative process of research, practice, and analysis. Students will interpret project criteria and produce visual solutions for specific assigned problems. Emphasis will be placed upon original concept development and the use of formal design principles.

Pre or Co-requisites: Communications 1610 and 1600.

COMM 1661 – Technical Writing I

(3 credits) 2 hours lecture, 1 hour tutorial

Examination of the principles and techniques of technical writing. Through analysis of selected technical prose and directed practice in writing, students will develop competence in the presentation of technical information for a variety of audiences. Technical writing includes a wide range of purposes and forms. This course covers, but is not limited to the principles of analysis, process, definition; progress, recommendation, and research reports; proposals and memoranda; transitions, and the mechanics of clear and precise statements. Additional topics will include forms and styles of technical description, procedures, business plans, policies and an introduction to the integration of text and graphics.

CRJS 2005 – Aberrant Behavior**(3 credits – TG) 3 hours lecture**

In this course, students critically analyze aberrant behaviours with emphasis on their nature, incidence, correlates, control and prevention. Attention may be given to specific subject areas, which will be examined in conjunction with the current Diagnostic and Statistical Manual (DSM). Students will be able to differentiate aberrant behaviour from normative conduct in both its application and impact on the criminal justice system.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2006 – Corrections**(3 credits) 3 hours lecture**

This course will provide a comprehensive historical review of the correctional system and its various elements as well as an examination of current theory and practice of Canadian corrections. Particular attention will be given to such contemporary issues as trends from incarceration to community-based treatment as well as coverage of such topics as the incarceration process, probation, parole, institutional programs, rehabilitation and special populations. Attention will also be paid to emerging and proposed changes to corrections. Where appropriate, comparative analysis will also be introduced.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2008 – Geography of Crime: Prevention, Patterns and Trends**(3 credits) 3 hour lecture**

This course explores the fields of environmental criminology and the geography of crime. It provides a critical examination of the theoretical approaches within these fields. Special emphasis is placed upon the relationship between crime and the environment (patterns), crime prevention, spatial dynamics of crime, the criminality of place and the decision processes involved in criminal events.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2009 – Selected Issues in Human Justice**(3 credits) 3 hours lecture**

In this course, students will critically examine topical issues within Human Justice. Each semester's offering will focus on current issues within the major fields of corrections, law enforcement and the judiciary.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2011 – Comparative Criminal Justice Systems**(3 credits – TG) 3 hours lecture**

This course introduces students to a variety of criminal justice system models including common law systems, civil law systems, and systems that differ fundamentally from common and civil law traditions. The selection of countries will vary from year-to-year depending on current social, economic, and/or political issues. The course will present a conceptual framework for a constructive functional comparative analysis of the different models. In addition, the intent of this course is to provide the student with a sampling of criminological phenomena around the world.

Prerequisites: Criminal Justice 1001 and 1003 or permission of the department.

CRJS 2013 – Interviewing Skills**(3 credits) 3 hours lecture**

In this course, students learn basic interviewing techniques. Various aspects of interpersonal communication used in the interview situation such as feedback and mechanisms, paraphrasing and nonverbal communication are discussed and practiced during a series of exercises and experiences related to the functioning of the justice system. As an applied course students will demonstrate (to criteria) skill mastery in both interviewing and self-appraisal.

Prerequisites: Criminal Justice 1001 and 1011.

CRJS 2015 – Introduction to Research Methods in Justice Studies**(3 credits) 3 hours lecture**

Students in this course will develop a foundational understanding of social science research methods as practiced within Criminology and Criminal Justice. Specifically, this course will focus on the theory of inquiry, scientific method, inductive versus deductive reasoning, overview of qualitative and quantitative approaches to research design and data collection, criminological data sources, common errors in research and research ethics.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2017 – Corporate and White Collar Crime**(3 credits) 3 hour lecture**

This course deals with corporate and white collar crimes, which, despite the significant financial and physical harm they cause, do not receive adequate attention in many criminology courses. This course will fill this void by focusing exclusively on the definitions, laws, types, causes, and policy responses that shape crimes by corporations, government agencies, professionals, and others engaged in legitimate occupations.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2019 – Restorative Justice (formerly AJUS 4419)**(3 credits) 3 hours lecture**

Increasingly, restorative justice programs and practices are emerging as viable alternatives within provincial and federal correctional agencies in the Canadian Justice System. Seen in contrast to the traditional justice paradigms of retribution and punishment, the restorative justice paradigm is emerging in most western societies. This course will explore the philosophical basis of restorative justice and its practice in Canada. International examples will also be discussed.

Prerequisites: Criminal Justice 1001 and 1003 or permission of the department.

CRJS 3001 – Quantitative Research Methods and Data Analysis**(6 credits – TG) 3 hours lecture, 2 hour tutorial**

This course provides a detailed examination of quantitative research and data analysis techniques used in criminological research. Within the context of common sources of criminological/criminal justice data, students will learn how to apply descriptive and inferential statistics in quantitative research. Common measures of central tendency, dispersion and association, as well as multivariate analysis will be applied to disaggregated and aggregated data. Students will also be introduced to emerging trends in quantitative data analysis in criminological research such as crime pattern analysis.

Prerequisite: Criminal Justice 2015.

CRJS 3005 – Qualitative Research Methods**(3 credits – TG) 3 hours lecture**

This course introduces students to naturalistic/qualitative research methods and their application to issues of crime and justice in contemporary society. Students are guided through a process of designing and selecting data collection methods that are appropriate, well thought out and valid.

Prerequisites: Criminal Justice 2015 and 2013.

CRJS 3007 – Professional Ethics in Criminal Justice**(3 credits – TG) 3 hours lecture**

Students will study the development of ethical thinking, models of ethical decision-making, professional codes of ethics and issues in ethics relevant to criminal justice practitioners. Case analysis and evaluation will be utilized to increase students' competencies in ethical reasoning.

Prerequisites: Criminal Justice 1013 and 2009.

ELCC 2215 – Young Children with Special Needs (formerly ELCC 1215)

(3 credits) 3 hours lecture

This course provides students with information about young children with special needs. Along with learning about specific types of conditions and an introduction to the field of exceptional children. This course will discuss, also present, techniques to integrate children with special needs into early childhood programs.

Prerequisites: Early Learning and Child Care 1120 and 1209.

ELCC 2217 – Professional Practices in Early Childhood Organizations (formerly ELCC 1217)

(3 credits) 3 hours lecture

This course discusses professional practices in relation to leadership and management organizational structure of child care programs.

Pre or Co-requisite: Early Learning and Child Care 2285.

ELCC 2220 – Issues in Early Learning and Child Care (formerly ELCC 1220)

(3 credits) 3 hours lecture

This course will examine current trends and issues that pertain to the profession of early learning and child care.

Pre or Co-requisite: Early Learning and Child Care 2285.

ELCC 2285 – Practicum II (formerly ELCC 1285)

(6 credits) 370 hours practicum

This course is a continuation of Early Learning and Child Care 1282. Students will spend three days per week in a child care setting under supervision. The theories and appropriate practices of early learning and child care will be reinforced and students' skills in these areas will be developed and assessed. Students will be accepted into practica on the basis of academic performance, professional suitability, health and conduct. They will be required to withdraw for violation of professional behaviour and ethics.

Prerequisites: Early Learning and Child Care 1120 and 1209.

Pre or Co-requisites: Early Learning and Child Care 2121 and 1282.

Note: Students must successfully complete Early Learning and Child Care 2285 for Graduation.

ELCC 1199, 1299 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

ECOLOGY (ECOL)

ECOL 1210 – Ecology (formerly BIOL 1210)

(3 credits – TG) 3 hours lecture, 3 hours lab

This course provides an exploration of the relationship between living organisms and their environment. Topics include an introduction to environmental influences, communities and populations as well as discussions of North American biomes. An appreciation of how Ecological Theory is applied to current problems relating to land use and resource exploitation is developed. This course is intended for career program students, as a general interest Arts and Science Requirement and for university transfer students.

ECOL 2211 – Terrestrial Ecology (formerly BIOL 2211)

(3 credits) 3 hours lecture, 3 hours lab

The study of the interactions and the interdependencies of organisms in terrestrial ecosystems will be the focus of this course. Ecological processes and interactions at the individual, population and community levels within terrestrial ecosystems will be examined. Spatial and temporal patterns of variability within terrestrial ecosystem components and the resulting effects on ecosystem function will be investigated. Natural variability as well as human-induced changes will be profiled. This course will also examine how managed and unmanaged natural terrestrial ecosystems interact with industrial systems. The resulting effects of these interactions on biodiversity and ecosystem function will be critically examined.

ECOL 2219 – Aquatic Ecology (formerly BIOL 2219)

(3 credits) 3 hours lecture, 3 hours lab

The study of the structure and function of aquatic ecosystems is undertaken in this course. There is an emphasis on freshwater systems. The goal is to understand how physical, chemical, biological and anthropogenic factors influence population dynamics and community structure in aquatic ecosystems. Laboratory and field research methods used in aquatic ecology are introduced. Current literature and case studies in various areas of aquatic ecology will be critically reviewed. Aquatic biodiversity issues and sustainability issues are emphasized. The interactions and integration of industrial systems with natural aquatic systems will also be reviewed.

Prerequisite: Successful completion of semesters 1 and 2 of Direct Entry, Bachelor of Applied Science - Environmental Science program or equivalents or consent of the department.

ECONOMICS (ECON)

ECON 0130 – The Canadian Economy

(0 credits) 3 hours lecture

This is a credit-free upgrading course; special fees apply.

This course involves a survey of the institutions characteristic to the Canadian economy and contemporary problems in an historical perspective. While this course may be presented for admission to the University of Calgary, credit-free upgrading courses completed at Mount Royal University are not eligible for Alberta Education graduation credits or transcript purposes. However, students who are deemed "mature" under Alberta Education criteria may challenge the Alberta Education diploma examinations and receive credit towards an Alberta high school diploma. Students should therefore confirm their maturity status in advance of Mount Royal University enrolment by contacting Student Records, Alberta Education for formal confirmation.

ECON 0205 – Introduction to Business Economics (formerly ECON 1205)

(3 credits) 3 hours lecture

This course combines principles of micro- and macroeconomics for application in a business environment. Topics covered include demand, supply, price determination, price regulation, applications of elasticity, national income determination, inflation, unemployment, fiscal and monetary policies and international trade.

Note: This course is open only to selected Business Administration students.

ECON 0260 – Issues in Consumer Economics (formerly ECON 1160)

(3 credits – TG) 2 hours lecture, 1 hour tutorial

Issues facing contemporary Canadian consumers are discussed. This course focuses on key issue areas in the discipline including: the interplay between societal trends, consumer choices, and the environment; sustainable lifestyles; credit management, rights, responsibilities and ethics in interactions between government, business and consumers; factors affecting consumer choices in food, shelter and planning for the future; and collective issues such as transportation and health care.

ECON 1101 – Principles of Microeconomics (formerly ECON 2201)

(3 credits – TG) 3 hours lecture, 1 hour lab

This course examines how individuals, firms, and governments allocate scarce resources. Market, firm, and society choices are examined using the principles of consumption and production under the following market structures: perfect competition, monopoly, oligopoly, and monopolistic competition. These principles form the basis for analyzing the decision-making processes associated with contemporary microeconomics issues.



ENGINEERING (ENGR)

ENGR 1205 – Statics

(3 credits – TG) 3 hours lecture, 1.5 hours tutorial

This course introduces the basic principles of Vector Mechanics as applied to Statics. The course content emphasizes the concept of equilibrium (2D and 3D) in application to particles, rigid bodies and simple structures, as well as equivalent systems, distributed forces and friction. Evaluation of knowledge and problem solving skills takes place through written assignments, quizzes, midterms and an exam.

Prerequisite: 65% in Physics 30 or equivalent, and 65% in Pure Math 30 or equivalent.

ENGR 1215 – Electricity and Magnetism

(3 credits – TG) 3 hours lecture, 1 hour tutorial, 2 hours lab

This course provides students with an introduction to electrostatics; electric charges and fields; potential and capacitance; magnetic fields; energy considerations; electromotive force, inductance; time-varying electric and magnetic fields. Elements of atomic structure; electric current flow; Ohm's law. Kirchoff's laws and the electromagnetic properties of materials are also studied. A vector approach will be employed throughout.

Prerequisites: Engineering 1205 and Mathematics 1217 or equivalents with grades of C- or higher.

ENGR 1233 – Computing for Engineers I with C++

(3 credits – TG) 3 hours lecture, 2 hours tutorial

Topics covered in this course include an overview of computer systems, software, operating systems, editors, and compilers. C++ programming topics include selection and loop structures, functions, structural decomposition, array and aggregate data types, reading from and writing to files, testing strategy, and documentation. In terms of an introduction to object-based programming, topics include the use of class libraries and construction of simple classes.

Prerequisites: 65% or higher in Physics 30, Pure Math 30 and Math 31 (or equivalents).

ENGR 1234 – Computing for Engineers I with Matlab

(3 credits - TG) 3 hours lecture, 2 hours tutorial

This course covers the fundamentals of computer programming with an emphasis on solving engineering problems using Matlab Syntax, variables, statements, control structures, functions, data structures/array operations, files/data management, 2D/3D plotting, searching, sorting, recursion and symbolic math will be addressed. Evaluation will take place through assignments, midterms and a final exam.

Prerequisites: 65% or higher in Physics 30, Pure Math 30 and Math 31 (or equivalents).

ENGR 1261 – Orientation to the Engineering Profession I

(1 credit – TG) 1 hour lecture

This course is an introduction to the engineering profession. The University Transfer Program will be discussed, along with cooperative/internship education, engineering ethics, public safety, professionalism, and sustainable development. Various disciplines and career paths will be illustrated through guest speakers and A/V media.

ENGR 1263 – Orientation to the Engineering Profession II

(1 credit – TG) 1 hour lecture

This course is a continuation of ENGR 1261 and is qualitatively similar to ENGR 1261 in terms of the course content, how the content is presented and how it is evaluated (pass/fail).

ENGR 1271 – Engineering Design and Communication I

(3 credits – TG) 3 hours lecture, 2 x 1.5 hour tutorials

This course introduces the principles of engineering design, visual communications (technical drawing/sketching/), written communications (technical writing) and leadership/project management. Students achieve basic competency in these areas through theoretical and applied assignments, term projects and team-based activities. Students learn about and work with the engineering design process, various technical writing styles/documents and various forms of graphical presentation such as multi-view orthographics.

ENGR 1273 – Engineering Design and Communication II

(2 credits – TG) 1.5 hours tutorial, 3 hours lab

This course is a continuation of Engineering 1271. Students will improve on their basic competency in engineering design, visual and written communication primarily through hands-on, team-based, open-ended design projects. In this course, one large project will be undertaken in order to develop the design and communication skills that the students will require for success as engineers.

Prerequisite: Engineering 1271 with a grade of C- or higher.

Pre or Co-requisite: Engineering 1263.

ENGR 1303 – Electric Circuits and Machines

(3 credits) 3 hours lecture, 1 hour tutorial, 3 hours lab

This course introduces current, voltage and power, Kirchoffs' current and voltage laws, capacitors, electricity and magnetism fundamentals as applied to circuits and machines, inductors, circuits and systems, instrumentation, circuit design, DC and AC circuit analysis, DC and AC machines, and first order circuits and transient analysis, from both a theoretical and an applied standpoint.

Prerequisites: Mathematics 1217 or equivalent, and Engineering 1205 or equivalent, both with a C- or higher.

ENGR 3309 – Heat and Mass Transport

(3 credits) 3 hours lecture, 3 hours lab

Energy flows and material flows are crucial to the study of industrial systems. This course introduces concepts necessary to the study of conservation and transport of energy, momentum, and mass. Topics will include: aspects of fluidflow, thermodynamics, conduction/diffusion transport, convective transport, and radiative transport. Applications of interest to industrial ecology which involve fluid-flow, heat transfer, and mass transfer will be studied.

Prerequisites: Chemistry 2209 and 2210 and Mathematics 3307 with a C- or higher.

Pre or Co-requisite: Mathematics 3101.

ENGR 3319 – Statistics for Engineering

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This course involves: the presentation and description of data; introduction to probability theory; Bayes Theorem; discrete and continuous probability distributions; estimation; sampling distributions; tests of hypotheses on means; variances and proportions and simple linear regression and correlation. Applications are chosen from engineering practice.

Prerequisite: Mathematics 1219 with a C- or higher.

ENGR 3349 – Dynamics

(3 credits – TG) 3 hours lecture, 1 hour tutorial, 1 hour lab

This course introduces the basic principles of Vector Mechanics as applied to Dynamics. The course content emphasizes kinematics and kinetics of particles and rigid bodies, rectilinear and curvilinear translation, general plane motion, rotation, relative motion, force, mass, acceleration, friction, impulse, momentum and conservation of linear and angular momenta. Evaluation of knowledge and problem solving skills takes place through written assignments, quizzes, midterms and an exam.

Prerequisites: Mathematics 1217 or equivalent, and Engineering 1205 or equivalent, both with a C- or higher.

ENGR 1199, 1299 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

ENGL 2210 – English Literature to the Restoration (formerly ENGL 1113)

(3 credits – TG) 3 hours lecture

This course surveys English literature from its earliest beginnings to the Restoration (1660), with an emphasis on major authors. Students will read a variety of genres closely and critically, and will examine how these texts relate to their socio-political, religious and cultural environments. Students will be introduced to literary research.

Prerequisites: English 1101/General Education 1401 or 1402 or 1403 and English 1131, 1135, 1137 or 1141 with a grade of C- or higher.



ENGL 2211 – English Literature from the Restoration to the Present (formerly ENGL 1114)

(3 credits – TG) 3 hours lecture

This course surveys English literature from the Restoration (1660) to the present. Students will read a variety of texts closely and critically within various cultural contexts. Students will be introduced to literary research.

Prerequisites: English 1101/General Education 1401 or 1402 or 1403 and English 1131, 1135, 1137 or 1141 with a grade of C- or higher.



ENGL 2216 – Women's Literary Tradition I (formerly ENGL 3318)

(3 credits – TG) 3 hours lecture

As we examine a variety of literary texts – past and present – we will explore a women's literary tradition which until recently, has been overshadowed by the 'master' pieces of a male literary tradition. Readings from both literary and critical works will assist us, as we examine the question of "tradition" itself and women's place within and outside that tradition. At the same time, we will ask some difficult and challenging questions about gender, the self, and society.

Prerequisites: English 1101/General Education 1401 or 1402 or 1403 and one of English 1131, 1135, 1137 or 1141.



Note: English 2216/2219 = U of C ENGL 318. English 2216 = Athabasca University ENGL 307. Credit will be allowed for only one of English 2216 and ENGL A307.

ENGL 2219 – Women's Literary Tradition II (formerly ENGL 3319)

(3 credits – TG) 3 hours lecture

A continuation of English 2216, this course will examine the ways in which contemporary women authors transform their private experience of the world into a public expression of female culture.

Prerequisite: English 1101/General Education 1401 or 1402 or 1403 and one of English 1131, 1135, 1137 or 1141.



ENGL 2228 – Intermediate Special Topics (formerly ENGL 3329)

(3 credits – TG) 3 hours lecture

This course provides an examination of selected literary topics. The offerings vary depending on student and faculty interests. As this is a variable content course, the specific topic will be announced and advertised each time the course is offered. Students may not receive credit for this course more than once.

Prerequisites: English 1101/General Education 1401 or 1402 or 1403 and one of English 1131, 1135, 1137 or 1141.

ENGL 2301 – Crime and Conspiracy Fiction

(3 credits) 3 hours lecture

Using detective stories and modern police procedurals, spy novels and psychological thrillers, this course examines the history and theory of crime and conspiracy fiction. In the process, it offers a critical study of the literary and cultural phenomena affecting those genres that deal in codes and clues, mystery and secrecy, suspicion and paranoia.

Prerequisite: One of English 1101/General Education 1401, 1402 or 1403

ENGL 2248 – American Literature from 1865 to 1945 (formerly ENGL 3348)

(3 credits – TG) 3 hours lecture

This course surveys American literary developments of the later nineteenth and early twentieth century, including the Harlem Renaissance and the rise of modernism. A culturally diverse selection of authors will be studied both in and outside the realist and naturalist traditions.

Prerequisites: English 1101/General Education 1401 or 1402 or 1403 and one of English 1131, 1135, 1137 or 1141.

Note: For students enrolled in the AU@MRC collaborative B.A. degree, English 2248 = English A348. For all other students, English 2248 = AU English 3xx.



ENGL 2249 – American Literature from 1945 to the Present (formerly ENGL 3349)

(3 credits – TG) 3 hours lecture

This course surveys American literature from World War II to the present, with emphasis on the prose and poetry of a culturally diverse array of writers, the advent of postmodernism, and 'America' as a geographical and cultural category.

Prerequisite: English 1101/General Education 1401 or 1402 or 1403 and one of English 1131, 1135, 1137 or 1141.



Note: For students enrolled in the AU@MRC collaborative B.A. degree, English 2249 = English A349. For all other students, English 2249 = AU English 3xx

ENGL 2263 – Technical Writing (formerly ENGL 3363)

(3 credits – TG) 3 hours lecture

This course focuses on the principles and techniques of technical writing. Through analysis of selected technical prose and directed writing practice, students will develop competence in the presentation of technical information for a variety of audiences.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 75% or higher, or one of English 0212, English 1101/General Education 1401, 1402, or 1403.



Note: English 2263 may not be used to satisfy the senior-level arts and science graduation requirements for applied degree programs. Credit will be allowed for only one of Applied Communications 2061, English 2263 and Freelance Writing 1311.

ENGL 2264 – Intermediate Creative Writing, Poetry 1: Contemporary Practice (formerly ENGL 3364)

(3 credits – TG) 4 hours lecture

This course blends creative writing with writerly readings and analysis of published contemporary poetry. Students will be encouraged to explore a range of styles, as well as experiment, play with, write and re-write their own work in light of critiques by fellow students, the instructor and the implicit examples found in literature. Students will also take part in online workshops using course-specific software.

Prerequisite: Admission to the course is by consent of the department based on an evaluation of a portfolio (no more than 12 poems) of the student's original creative writing. Portfolios will be submitted to the English Department the semester before the course is to begin. Students with little or no workshop experience may be advised to take English 1117.



ENGL 3344 – Victorian Realism and Social Reform (formerly ENGL 4444)

(3 credits – TG) 3 hours lecture

This advanced course examines British literature of the Victorian period (approximately 1830-1900) within a context of social critique exemplified primarily in narrative (fiction and poetry), but also nonfiction prose and drama. Writers studied include, among others, Carlyle, Tennyson, Mill, Dickens, Barrett-Browning, Eliot, and Hardy.

Prerequisites: English 2210 or 2211 and one of English 2202, 2203, 2207, 2263, 2264, 2265, 2266, 2267 or Film Studies 3345.

Recommended Preparation: Three 2000-level English courses.



ENGL 3345 – Victorian Literary Aesthetics (formerly ENGL 4445)

(3 credits – TG) 3 hours lecture

This advanced course addresses the Victorian fascination with aesthetics by surveying various nineteenth-century movements and genres. Focusing on such groups as the Pre-Raphaelites, the Aesthetes, and the Symbolists, this course will examine Victorian (self-) invention, particularly in the realms of dramatic, lyric, and pictorial form, as a means to explore the role of art in society.

Prerequisites: English 2210 or 2211 and one of English 2202, 2203, 2207, 2263, 2264, 2265, 2266, 2267 or Film Studies 3345.

Recommended Preparation: Three 2000-level English courses.



ENGL 3350 – The American Renaissance

(3 credits) 3 hours lecture

This course introduces students to some of the representative texts, contexts, and critical debates in American literature from about 1820 to 1865, a period of extraordinary literary productivity and innovation as well as tumultuous social, political, and economic transformation culminating in the Civil War.

Prerequisites: One of English 2210, 2211, 2248 or 2249, and one of English 2202, 2207, 2263, 2264, 2265, 2266, or 2267.

ENGL 3353 – Aboriginal Literatures

(3 credits) 3 hours lecture

This course will critically engage the literary works of First Nations / Aboriginals through various genres and will be framed by social, cultural, historical and political contexts. The focus will vary and may include: Indigenous knowledge, Nation/Identity formation, the numbered Treaties, the role of women, humour, orality and language, stereotyping and racism.

Prerequisites: One of English 2210 or 2211, and one of English 2202, 2207, 2263, 2264, 2265, 2266, or 2267.

ENGL 3368 – Advanced Creative Writing: Fiction

(3 credits) 3 hours lecture

This advanced course blends creative writing with writerly readings and analysis of fiction chosen for literary, theoretical and historical value. In this workshop-based course, students will re-write their work in light of critiques by fellow students, the professor, and implicit examples of literature. The focus is to push students toward becoming independent writers of fiction.

Prerequisite: Admission to the course is by consent of the department based on a writing sample (no more than 20 typed, double spaced pages of prose) of the student's original creative writing. These samples will be submitted to the English Department the semester before the course is to begin.

ENGL 3372 – Western Canadian Literature

(3 credits – TG) 3 hours lecture

Through representative texts, students will examine how writers' conceptions of the West alter over time, what constitutes a definition of "West," and how Indigenous and non-European authors create alternatives to Eurocentric narratives of western expansionism and frontiers. Students will also study how conceptions of region and landscape affect identity.

Prerequisites: English 2210 or 2211 and one of 2202, 2203, 2207, 2263, 2264, 2265, 2266, or 2267.

Recommended Preparation: Three 2000-level English courses.



ENGL 3382 – Textualities/Sexualities

(3 credits – TG) 3 hours lecture

This course examines both the body of the text and the text of the body. While reading the body as it is represented in writing, we will investigate such concepts as representation (including what has been erased or silenced), the gendered text, the imaginary and the limits of textualized sexualities.

Prerequisite: English 2202, 2203, 2216, 2219, or Film Studies 3345 or consent of the department.

Recommended Preparation: English 2210 and 2211.

ENGL 3390 – African Writing in English

(3 credits) 3 hours lecture

This course will consist of a carefully nuanced, historically and culturally specific study of the theories and literatures emerging from one of the regions of the African continent whose traditions were broken by the experience of colonialism.

Prerequisite: One of English 2202, 2291 or 2292.

Recommended Preparation: Three 2000-level English courses.

ENGL 3394 – The Graphic Novel

(3 credits – TG) 3 hours lecture

The graphic novel has recently emerged as a unique storytelling medium. This course focuses on both the theoretical bases of sequential art and the graphic novel's literary and aesthetic properties. Students will draw on a variety of modern and postmodern theories of texts to analyze specific graphic novels.

Prerequisites: English 2210 or 2211 and one of 2202, 2203, 2207, 2263, 2264, 2265, 2266, 2267 or Film Studies 3345.

Recommended Preparation: Three 2000-level English courses.



Note: Students cannot receive credit for both English 3394 and English 3329.

ENGL 4401 – Select Topics in Themes, Forms, and Genres

(3 credits – TG) 3 hours lecture

This advanced seminar explores the historical or cultural significance of a specific literary theme, form, or genre. Variable in focus, the course may concentrate on topics related, for example, to concepts of diaspora or beauty or disease; developments in satire or comedy or realism; approaches to the short story or sonnet or long poem.

Prerequisite: One 3000-level English course.

ENGL 4410 – Select Topics in Medieval Literature, 650-1500

(3 credits – TG) 3 hours lecture

This advanced seminar engages students in a selection of poetic, prose, and dramatic works from the medieval period. Featured works may include Beowulf, the works of Chaucer, literature by and about women, Romances in poetry or prose, religious ecstasies, Arthurian legends, and Middle English lyrics.

Prerequisite: One 3000-level English course.

Recommended Preparation: English 3323 or 3324.

ENGL 4420 – Select Topics in Early Modern Literature, 1450- 1700

(3 credits – TG) 3 hours lecture

This advanced seminar engages students in a study of literature from the Early Modern Period, a survey that may include transitional texts between the Middle Ages and the Renaissance, a tracing of Romance from Roland to Quixote, Shakespearean and non-Shakespearean theatre, Milton's prose, 17th-century poetry, and women's writing.

Prerequisite: One 3000-level English course.

Recommended Preparation: English 3342 or 3343.

ENTR 4343 – Start-up to Survival of the Entrepreneurial Venture**(3 credits) 2 hours lecture, 2 hours studio**

In this course, the ventures that students developed in ENTR 4332 will continue to be evolved through to the early growth phase of the venture life cycle. In this course the focus will be on topics such as marketing, sales, financials, business modeling, opportunity valuation, next levels of fundraising, management team and founder as leader, and other topics related to bringing ventures to fruition. In addition, the reasons businesses typically fail will be analyzed.

Prerequisite: Entrepreneurship 4332.

ENTR 4344 – Growth of the Entrepreneurial Venture**(3 credits) 2 hours lecture, 2 hours studio**

In this course, students will analyze ventures in the later growth phases of the venture life cycle in order to gain an understanding of the requirements and alternatives for the successful evolution of an organization. The class will focus on issues that impact the ability of a venture to expand operations or pursue harvesting scenarios. Topics to be explored include evolution of operations, professional management, integrated systems, later stage venture financing, IPOs, harvest calculations and negotiations, and the franchising alternative.

Prerequisite: Entrepreneurship 4343.

ENTR 4433 – Business Plan Development**(3 credits) 3 hours lecture**

Students will be able to prepare and present a solid business plan for a new or existing enterprise. Areas covered will include identifying and assessing opportunities, developing a winning strategy, identifying resource requirements and selling the plan to financing sources.

Prerequisites: Management 2130 or 2131 or Entrepreneurship 2201 or 2301 or Administration 1329, Marketing 2150, Accounting 3224.

Note: Only one of Entrepreneurship 3333 or 4433 can be used to satisfy program requirements.

ENTR 4434 – Small Business Practicum**(3 credits – TG) 2 hours lecture, 1 hour tutorial**

This course is designed to help students acquire the ability to rationally analyse the real life issues and problems of a currently operating small business. Teams of two students will work as consultants to an existing small business. This course provides the opportunity to integrate problems and apply knowledge by identifying, examining, and creating a recommended solution within a holistic framework.

Prerequisites: Entrepreneurship 2010, Finance 4427 and Management 4431.

ENTR 4435 – Small Business Strategy**(3 credits) 3 hours lecture**

Students will develop a comprehensive framework for the strategic management processes used in small business. Integrated cases will incorporate and expand upon concepts and analytical techniques introduced in previous courses. Strategic concepts will be applied through a term-long business decisions laboratory using an interactive medium.

Prerequisite: Entrepreneurship 2010.

ENTR 4445 – Managing the Family Enterprise**(3 credits) 3 hours lecture**

Each year thousands of new family businesses are created. Approximately 30% of family businesses survive the first generation; failure is often attributed to family conflict and lack of succession planning. This course addresses critical issues in family business including: inter-generations transfers, managing conflict, introducing professional manager and the decision to join the family firm.

Prerequisite: Entrepreneurship 3333.

ENTR 4451 – Applied Internet Marketing**(3 credits) 2 hours lecture, 1 hour tutorial**

Students will develop proficiency in e-commerce systems development by working on a large e-commerce project. The formal course material reinforces the project work by covering topics such as security, project management, marketing and effectively scaling server resources. Course will be co-taught by entrepreneur and computer instructors.

Prerequisites: Marketing 2150 and Computer Science 1401.

ENTR 4461 – The Entrepreneurial Manager**(3 credits) 3 hours lecture**

This course contains experiential learning aspects and it addresses the issues addressed by owners/managers who attempt to create viable organizations out of identified opportunities in order to create value. It will empower students to develop their own unique approaches, systems, skills and methodologies to deal with unstructured situations in preparation to become entrepreneurial managers.

Prerequisite: Entrepreneurship 2201 or 2301 or Management 2130.

ENTR 2299, 3399 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

ENVIRONMENTAL SCIENCE (ENVS)**ENVS 2010 – Directed Field Studies I (formerly IDEC 3000)****(15 credits)**

Students will be assisted in finding a work-term placement. This normally will be in a business, industry or a research laboratory that deals with environmentally related problems. Completion of non-credit safety courses prior to the work placement will be required. Students will be mentored by a faculty member during the work-term. An oral and a written report, completed by the student, in addition to an evaluation carried out by the employer will be required following the work-term.

Prerequisite: Successful completion of Semesters 1 to 4 of the Biogeochemical Process stream or the Physical Process stream courses or equivalents or consent of the department.

ENVS 2201 – Introduction to Industrial Ecology**(3 credits) 3 hours lecture**

The major ideas and tools of industrial ecology will be introduced. Industrial ecology "focuses on the potential role of industry in reducing environmental burdens throughout the product life cycle, from the extraction of raw materials, to the production of goods, to the use of those goods and to the management of the resulting wastes" (Journal of Industrial Ecology). Topics covered will include: environmental concerns, risk assessment, global budgets and cycles, industrial processes, life-cycle assessment, design for environment, pollution prevention and zero emission strategies.

ENVS 2205 – Data Processing and Statistics**(3 credits – TG) 2 hours lecture, 2 hours lab**

The organization, processing, and presentation of quantitative data. Fundamental statistical ideas, descriptive statistics, inferential statistics (including Analysis of Variance, regression and correlation), statistical quality control and timeseries analysis will be covered. Laboratories will include the analysis of data using statistical software packages.

Prerequisite: Pure Mathematics 30.

FNCE 3227 – Introduction to Finance**(3 credits – TG) 4 hours lecture**

This course provides an introduction to the theory, methods, and issues of finance. The main topics include the following: 1) time value of money and capital budgeting techniques; 2) uncertainty and the trade-off between risk and return; 3) security market efficiency; 4) optimal capital structure; 5) dividend policy decisions; 6) financial planning and working capital management; and 7) long term financing considerations including leasing.

Prerequisite: Accounting 2121 or Accounting 2120.

FNCE 3301 – Canadian Securities Course I**(3 credits) 3 hours lecture**

This is part one of two courses intended to prepare students for the Canadian Securities Institute Exam. Topics are determined by the Canadian Securities Course™. Topics include financial statements, formulae for evaluating investments, common and preferred stocks, bonds, mutual funds, derivatives, and RRSPs.

Pre or Co-requisites: Finance 2132 and 3201.

FNCE 3303 – Canadian Securities Course II**(3 credits) 3 hours lecture**

This is part two of two courses intended to prepare students for the Canadian Securities Institute Exam. This course is intended to prepare students to effectively work in financial services. Building on material from the first course, students will examine portfolio building and financial planning and management. Students will write the Institute's Canadian Securities Course™ exam as part of completion for this course. As part of this course, students will be required to develop a comprehensive financial plan.

Prerequisite: Finance 3301.

Pre or Co-requisites: Finance 3203 and 3205.

FNCE 4407 – Investment Principles**(3 credits) 3 hours lecture**

The principles and techniques of investing in securities are discussed with emphasis on stocks and bonds. Topics include portfolio selection and performance measurement, valuation of bonds and stocks, and the application of financial theory to investment decisions. Security analysis includes fundamental approaches with an emphasis on financial statement analysis.

Prerequisite: Finance 2132 or 3301 or 3303 or 3227.

FNCE 4409 – Securities Analysis and Valuation**(3 credits) 3 hours lecture**

Students will study fundamental analysis approaches for the valuation of equities and fixed income securities. For equities, both micro-analytical and macro-analytical approaches will be studied and synthesised, in order to explore the best practices in equity research. Fixed income analysis will focus on the quantitative valuation and risks associated with both basic and complex fixed income vehicles. A critical review of literature in the field will supplement students' knowledge. Students will value both debt and equity securities, through project work. Financial modelling will form an integral part of the projects. Approximately 25% of the Chartered Financial Analyst® Level 1 curriculum will be reviewed.

Prerequisite: Finance 3227.

FNCE 4427 – Entrepreneurial Finance**(3 credits) 3 hours lecture**

This course addresses financial issues facing entrepreneurs. This course will build upon material introduced in Entrepreneurship 3333. Students will examine more complex financing alternatives such as public share offerings and venture capital vehicles. Additional topics such as capital structure decisions, leasing, international financial management and business valuation will be examined. Whenever possible guest lecturers will be invited to come and share their experiences with financing new ventures.

Prerequisite: Finance 3227.

FORENSIC STUDIES (FORE)**FORE 5501 – Forensic History, Risk Populations and Issues (formerly FORE 4401)****(3 credits – TG) Distance Delivery – Internet**

This course focuses on prevailing social/ethical forensic issues where health care overlaps with the law. Roles of the forensic subspecialties are outlined, together with the target forensic populations they serve. Historical roots, principles and professional practices of emerging subspecialties are examined, while current and future career opportunities are explored. A larger systems overview of criminal justice and health care is used to examine the broad scope of societal influences and the increasing impact of legal dimensions on forensic practice. Risk populations, issues and relevant laws and acts (local and international) are examined in relation to victims of physical and/or psychological trauma/abuse/neglect as well as perpetrators. Issues relevant to families of both victims and perpetrators are also explored.

FORE 5503 – Forensic Psychiatric and Correctional Populations (formerly FORE 4403)**(3 credits – TG) Distance Delivery – Internet**

This multidisciplinary web course addresses the roles of various professionals in forensic psychiatric and correctional areas. The focus of this course is on the perpetrators of violence. Assessment, intervention and prevention are addressed for various forensic concepts and at risk populations in these settings. Relevant ethical/legal practice issues in the correctional and forensic psychiatric setting are debated with the opportunity to access international forensic resources on the web.

FORE 5505 – Victims of Violence (formerly FORE 4405)**(3 credits – TG) Distance Delivery – Internet**

This multidisciplinary web course focuses on recognition, assessment and intervention with victims of violence. Topics include: victim behaviours, patterns of injury, evidence collection, forensic photography, fact testimony; risk reduction, prevention of violence and follow up. Specific sections discuss domestic violence, sexual assault, child abuse/neglect, elder abuse and violence against professionals. Course content is designed for nurses and physicians and is also valuable for other professionals (e.g., Police, social workers, paramedics) who interact with health care professionals or victims of violence.

FORE 5507 – Forensic Science (formerly FORE 4407)**(3 credits – TG) Distance Delivery – Internet**

This multidisciplinary web course focuses on forensic lab analyses in criminal investigations. Specific laboratory techniques, limitations and implications of findings are discussed including microscopy, gas chromatography, DNA analysis, toxicology, fingerprinting, trace evidence and blood spatter analysis. We briefly introduce hypothesis development, event reconstruction, death investigation and analysis of remains.

FORE 5509 – Expert Witness Testimony (formerly FORE 4409)**(3 credits – TG) Distance Delivery – Internet**

This course is designed to increase professionals' understanding of the issues and preparation required to give expert witness testimony. Issues include criteria and qualifications for expert witnesses, role in court, fields of expertise, locating experts, ethical considerations and the future of expert witnesses.

FORE 5511 – Crime Scene Investigation and Evidence (formerly FORE 4411)**(3 credits – TG) Distance Delivery – Internet**

This course centers around a functional analysis of undertaking investigations with a focus on the crime scene. The course presents basic information on conducting investigations applicable to both law enforcement and other forensic professionals who may be at the scene. It also provides an assessment of the various investigative techniques that are applied to specific types of crimes against persons and property. The types of physical evidence expected during a crime analysis and criminal profiling are explored. In particular, information will be covered on the legal responsibilities in conducting an investigation, rules of evidence, evidence collection, working with victims and suspects, courts testimony as a fact witness, case presentation requirements and the important role of evidence documentation and preservation.

GEOG 2230 – Regional Geography of Europe

(3 credits) 3 hours lecture

This course will explore Europe's regional geography, its physical setting, its human geography (history, demography, economics, politics, culture), and its environmental challenges. Students will be exposed to the internal and external forces that bind the continent's various parts together and the social geographic factors that pull them apart. Special emphasis will be placed on contemporary Europe in the era of globalization and the deepening and widening of the European Union.

Recommended Preparation: A previous course in Geography.

**GEOG 2333 – Economic Geography**

(3 credits – TG) 3 hours lecture

This course provides a survey of the basic elements of economic geography. Included is the study of the environmental, economic, social and technological influences on the distribution of economic activities. Special reference is made to economic development, multinational corporations and newly industrializing economies.

Recommended Preparation: Geography 1103 or consent of the department.



Note: This course transfers as a senior Geography course to the University of Calgary and to other post-secondary institutions.

GEOG 2335 – Introduction to Urban Geography

(3 credits – TG) 3 hours lecture

This course introduces the topic of cities, focusing on the history of the urban environment and culture, and urban issues and sustainability from a geographical point of view. Major cities of the world and local examples will be studied.

Prerequisite: Geography 1103 or consent of the department.

**GEOG 2337 – Political Geography**

(3 credits – TG) 3 hours lecture

Students will be instructed in the influence of physical and cultural landscapes on politics, and the influence of politics on the landscape. Topics of study include globalization, regionalism, terrorism, war and disputed territory. The political response to global environmental issues, and the politics of poverty and development are also discussed in this course.

Recommended Preparation: Geography 1103 or consent of the department.

**GEOG 2437 – Biogeography**

(3 credits – TG) 3 hours lecture

Biogeography is the study of the spatial and temporal distribution of biota. As practiced by geographers, biogeography is closely related to biology, ecology and environmental science with an emphasis on systems and spatial analysis. This course uses a foundation of evolutionary theory and science that forms the basis for thinking critically about contemporary human uses of plants, animals and other biota. Further, the course will explore themes related to human adaptation and impacts in response to the evolution of the biosphere.

Recommended preparation: A previous course in Geography.

**GEOG 2443 – Tourism and Recreation Geography**

(3 credits – TG) 3 hours lecture

This course involves the study of: dimensions of tourism and recreation, scales and impacts of human activities on recreational resources and environments, planning for sustainable tourism, cultural and heritage tourism, nature-based and ecotourism, and development and management issues.

Recommended Preparation: Geography 1101 or 1103.

**GEOG 2445 – Environmental Problems and Resource Management**

(3 credits – TG) 3 hours lecture

Environmental and resource issues are introduced, with emphasis on topics such as ethics, sustainability, policy and decision-making, and management strategies. Case examples highlight issues on resource sectors including fresh water, oceans, parks, wildlife, forests and energy.

Recommended Preparation: Geography 1101 or 1103.

**GEOG 2553 – Geographic Information Systems**

(3 credits – TG) 3 hours lecture, 3 hours lab

This course includes the technical and theoretical foundations of Geographical Information systems (GIS). Raster and vector representations of the physical landscape and associated map analysis techniques are explored. Modeling and performing single and multiple map analyses focus on practical case studies, and form the basis of lecture and laboratory assignments. Cartographically sound visualization techniques will be emphasized.

Prerequisite: Geography 1105 or consent of the department.

**GEOG 2555 – Introduction to Remote Sensing**

(3 credits – TG) 3 hours lecture, 3 hours lab

This course provides a basic overview of the use and interpretation of aerial photographs and remotely-sensed imagery. Both physical and cultural landscape features will be identified and interpreted using remote sensing software.

Prerequisite: A previous course in Geography or Geology or consent of the department.

Recommended Preparation: Geography 1105.

GEOG 3107 – Advanced Biogeography

(3 credits) 3 hours lecture, 3 hours lab

This course is designed to advance knowledge in the fields of biogeography, macro-ecology, and conservation. Drawing from topics developed in the prerequisites, the course will include: empirical studies documenting ecological and biogeographic patterns; theoretical and methodological studies that explore those patterns; case studies of anthropogenic impacts and conservation efforts; and area field studies to explore appropriate examples.

Prerequisite: Geography 2107 or 2109 or 2111 or consent of department.

GEOG 3109 – Overseas Field Study in Physical Geography

(3 credits) 3-week field school

This course introduces the concepts of field research and reconnaissance survey techniques in physical geography, as applied to regions outside of North America. Group travel-study is combined with formal instruction during the course. Pre-Field School classes are also included.

Note: Students will be responsible for paying all costs, including travel associated with the international field school experience.

GEOG 3129 – Advanced Overseas Field Study in Physical Geography

(3 credits – TG) 3 week field school

This course is a continuation of the Overseas Field Study in physical geography course. Students practice field research and reconnaissance survey techniques in physical geography, as applied to regions outside of North America. Group travel-study is combined with formal instruction during the course. Pre-Field School classes are also included.

Prerequisite: Geography 3109.

Note: Students will be responsible for paying all costs, including travel associated with the international field school experience.

GEOG 3309 – Overseas Field Study in Human Geography

(3 credits – TG) 3-week field school

This course introduces the concepts of field research and reconnaissance survey techniques in human geography, as applied to regions outside of North America. Group travel-study is combined with formal instruction during the course. Pre-Field School classes are also included.

Note: Students will be responsible for paying all costs, including travel associated with the international field school experience.

GEOG 3329 – Advanced Overseas Field Study in Human Geography

(3 credits – TG) 3 week field school

This course is a continuation of the Overseas Field Study in Human Geography course. Students practice field research and reconnaissance survey techniques in human geography, as applied to regions outside of North America. Group travel-study is combined with formal instruction during the course. Pre-Field School classes are also included.

Prerequisite: Geography 3309.

Note: Students will be responsible for paying all costs, including travel associated with the international field school experience.

GEOG 3445 – Global Environmental Issues

(3 credits) 3 hours lecture

This course focuses on the science, politics, and geography of global environmental issues. Advancing concepts, theories and models introduced in the prerequisites this course will use a spatial approach to address environmental issues, discourses, and worldviews, and will emphasize the utility of a geographer's skills and methods.

Prerequisite: Geography 2333 or 2337 or 2445 or consent of department.

GEOG 3447 – Parks and Protected Areas

(3 credits - TG) 3 hours lecture

This course will emphasize social and environmental science-based management in both provincial and national park systems. It will explore park formation, policies, planning and resource conservation from within a park and protected areas management framework.

Prerequisite: Geography 2333 or 2337 or 2443 or 2445.

GEOG 3553 – Spatial Analysis and GIS

(3 credits) 3 hours lecture, 3 hour lab

This course is designed to advance knowledge in spatial methods and science with specific emphasis on Geographic Information Systems (GIS) and Remote Sensing. Important principles and concepts of GIS/Remote Sensing are expanded beyond those introduced in the prerequisites.

Prerequisite: Geography 2553 or 2555 or consent of department.

GEOG 1199, 1299 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

GEOLOGY (GEOL)

GEOL 1101 – Physical Geology

(3 credits – TG) 3 hours lecture, 3 hours lab

This course provides a study of the principles of physical geology. Topics include: the classification and identification of rocks and minerals; processes in the earth's interior; plate tectonics and mountain building; surface processes and geologic hazards; and geologic resources, and an introduction to geologic time.

Note: Credit can only be obtained for one of Geology 1120, 1101, 2209 or U of C GLGY 201, 209 or 271.

GEOL 1103 – Historical Geology

(3 credits – TG) 3 hours lecture, 3 hours lab

A study of the earth's geologic history as interpreted from sedimentary rocks. Emphasis will be on rock types and fossils, and their stratigraphic and environmental significance, as they relate to the physical and organic evolution of North America, from Precambrian to Recent times.

Prerequisite: Geology 1101 with a grade of C- or higher.

GEOL 1109 – Introduction to Geology

(3 credits – TG) 3 hours lecture, 1 hour tutorial

Basic concepts regarding the major features of the earth: its rock and mineral composition; processes controlling erosion, deposition and surface structures; formation of the landscape; the history of the earth; plate tectonics and geologic hazards and how it all relates to you.

Note: Designed primarily for non-science students.

GEOL 1151 – Introduction to the Petroleum Industry

(3 credits) 3 hours lecture

An overview of the history, operations and technical aspects of the petroleum industry. The course content will emphasize the geologic occurrence of petroleum. Topics include: origin, migration and occurrence of petroleum; methods of exploration; and production and uses of petroleum.

Note: A non-science background is assumed.

GEOL 2101 – Introduction to Geologic Field Methods

(3 credits) 10-day field school

This course introduces the concepts of mapping geology at large and small scales. Detailed maps will be prepared using pace, compass and triangulation methods. Geologic sections will be measured with staff and tape and students will complete field reports. The field work will concentrate mainly on sedimentary rocks and basic structural geology. Field exercises are typically conducted outside of Calgary and normally occur during the two week period before Labour Day.

Prerequisite: Geology 1103 with a grade of C- or higher and consent of the department.

Note: This course occurs in rugged field conditions and varying weather, for which participants must be prepared and equipped. Students may be required to cover food and accommodation costs.

GEOL 2103 – Minerals and Rocks

(3 credits – TG) 3 hours lecture, 3 hours lab

This course focuses on the identification of rocks and rock forming minerals in hand sample and under the binocular microscope. Included are rock classification schemes; the interpretation of rock textures and structures; an introduction to the petrographic microscope; orthoscopic optical techniques and elementary petrography.

Prerequisites: Chemistry 1201 and Geology 1103 with a minimum grade of C- or higher or departmental approval.

GEOL 2105 – Structural Geology

(4 credits) 3 hours lecture, 3 hours lab

This course will introduce orthographic and stereographic techniques used to examine tectonic structures. Students will also study the classification of tectonic structures, geological maps and cross sections, the mechanical principles involved in the deformation of rocks and the manipulation of structural data.

Prerequisites: Geology 1103 and 2105 with a grade of C- or higher.

Note: There will be a weekend field trip during the course. Students will be required to cover food and accommodation costs.

GEOL 2107 – Palaeontology

(3 credits – TG) 3 hours lecture, 3 hours lab

Principles of classification, comparison of fossil with modern forms, morphology of invertebrate fossils, their evolutionary history and paleoecologic significance.

Prerequisite: Geology 1103 with a grade of C- or higher.

GEOL 2109 – Stratigraphy and Sedimentation

(3 credits – TG) 3 hours lecture, 3 hours lab

This course is an introduction to stratigraphic principles and sedimentary processes. Included are the properties, classification and interpretation of sedimentary rocks, stratigraphic nomenclature and stratigraphic relationships and interpretations.

Prerequisites: Geology 1101 and 1103 with a grade of C- or higher.



GEOL 2111 – Crystallography and Optical Mineralogy

(3 credits – TG) 3 hours lecture, 3 hours lab

External and internal symmetry, chemistry, structure and conoscopic optical properties of crystalline material as a basis for more refined identification of rockforming minerals.

Prerequisite: Geology 2103 with a grade of C- or higher.

GEOL 2151 – Environmental Geology and Earth Resources

(3 credits – TG) 3 hours lecture

Environmental geology involves the application of geological information to environmental problems. This course examines the interaction between man and the environment from a geological perspective with an emphasis on natural resource development in Western Canada.

Prerequisite: Geography 1101 or Geology 1101 or Geology 1109

**GEOL 2153 – Natural Hazards and Disasters**

(3 credits – TG) 3 hours lecture

This course examines natural disasters and provides a survey of important historical and recent disasters from a geologic perspective. Topics covered include: earthquakes, tsunami, volcanic eruptions, landslides, mudflows, flooding, climate change, droughts and extraterrestrial impacts. The lab component of this course involves two one day field trips to examine locally occurring natural hazards.

Prerequisite: Geography 1101 or Geology 1101 or Geology 1109

**GEOL 2155 – Geological History of Life**

(3 credits – TG) 3 hours lecture

The history of life from the earliest records to the present Fossils, geological time, extinction, evolution. The rise and development of various animals and plants including trilobites, ammonites, dinosaurs, and horses.

Recommended Preparation: Geology 1109.

**GEOL 2157 – Water: Geologic and Geographic Issues**

(3 credits) 3 hours lecture

This course will introduce students to the science of water and emphasize its geological and geographical occurrence on our planet. The hydrologic cycle will be studied in depth. Case studies will examine historical uses, current usage and potential future challenges.

Prerequisite: Geography 1101, Geology 1101 or 1109 (minimum C- or higher).

Note: only one of GEOL 2157 and GEOL 2127 may be used for graduation purposes.

GEOL 3101 – Advanced Geological Field Methods

(3 credits) 14-day field school

In this course students will use geological mapping techniques to complete the detailed mapping of lithologies and structures in a selected area of the Precambrian Shield. Emphasis will be placed on the relationship between tectonic setting and ore deposits. The field work component of this course will run during a fourteen day period in late August and early September and students will complete a detailed geological report, on the area studied, during the fall semester.

Prerequisites: Geology 2101, 2105 and 2111 with a grade of C- or higher.

Note: This course occurs in rugged field conditions and varying weather, for which participants must be prepared and equipped. Students will be required to cover travel, food and accommodation costs.

GEOL 3103 – Igneous Petrology

(3 credits) 3 hours lecture, 3 hours lab

This course involves the theoretical and practical study of igneous rocks in hand specimen and thin section. Major topics include the description, classification and origin of igneous rocks. Melting, magma crystallization and magma differentiation are also covered; along with the relationship between tectonics and igneous petrology.

Prerequisite: Geology 2111 with a minimum grade of C- or higher.

GEOL 3107 – Geomorphology

(3 credits – TG) 3 hours lecture, 3 hours lab

This course focuses on landforms and formations and the processes which produce them. Topics of study include glaciation, fluvial geomorphology (rivers and lakes), effects of climate change and other dynamic changes about land forms and their associated geology. Included in the laboratory work are map interpretation and air photo analysis.

Prerequisite: Geology 2109 with a grade of C- or higher.

GEOL 3109 – Sedimentary Petrology

(3 credits) 3 hours lecture, 3 hours lab

This course involves the theoretical and practical study of clastic, carbonate and other sedimentary rocks in hand specimen and thin section. Major topics include the description, classification and origin of rocks. Sedimentary facies and their relationship to depositional environments will also be covered.

Prerequisite: Geology 2111 with a minimum grade of C-.

GEOL 3111 – Metamorphic Petrology

(3 credits) 3 hours lecture, 3 hours lab

This course involves the theoretical and practical study of metamorphic rocks in hand specimen and thin section. Major topics include the description, classification and origin of metamorphic rocks. Chemical equilibrium, metamorphic textures and the relationship between regional metamorphism and tectonics are also covered.

Prerequisites: Geology 3103 and Geology 3109 with a minimum grade of C- or higher.

GEOL 3113 – Geochemical Processes

(3 credits – TG) 3 hours lecture, 3 hours lab

A study of the chemical processes taking place in geologic settings with emphasis on the abundance relationships of the elements in the Earth's crust. Also included is a study of the laws governing the migration and distribution of elements of the Earth and the application of geochemistry in the search for mineral deposits.

Prerequisite: Geology 2103 with a grade of C- or higher.

GEOL 4101 – Advanced Topics in Sedimentary Geology

(3 credits) 3 hours lecture

This course will include topics current in the field of Sedimentary Geology. These will include sedimentary facies models, seismic stratigraphy, sequence stratigraphy, micropaleontology and ichnology.

Prerequisite: Geology 3109 with a grade of C- or higher.

GEOL 4103 – Advanced Topics in Igneous/Metamorphic Geology

(3 credits) 3 hours lecture

This course will be taught in a seminar format. Topics studied will include those current in the field of igneous and metamorphic petrology such as: structural or geochemical analyses of igneous bodies and/or metamorphic terranes, the granulite problem, analysis of igneous or metamorphic suites, weaknesses of geochronology and/or geothermobarometric studies applied to igneous or metamorphic geology.

Prerequisites: Geology 2105, Geology 3103 and Geology 3111 with a grade of C- or higher.

GEOL 4105 – Hydrogeology

(3 credits) 3 hours lecture, 3 hours lab

This course is a detailed study of the occurrence of groundwater. Topics covered include rock properties that affect groundwater; the quality of groundwater; the geology of groundwater basins; and procedures for surface and subsurface investigations.

Prerequisites: Geology 3107 and 3109 with a grade of C- or higher.

GEOL 4107 – Geological History of Western Canada

(3 credits) 3 hours lecture, 3 hours lab

This course involves a detailed study of the geological evolution of Western Canada from the Precambrian to the Recent. Lab studies will examine a wide variety of rocks from the different time periods.

Prerequisite: Geology 3101 with a grade of C- or higher.

HIST 4405 – Special Topics in Public History

(3 credits – TG) 3 hours lecture

This course provides students with an introduction to the practice of history in a variety of venues such as museums and historic sites. The course will expose students to the skills, methods and techniques utilized by public history practitioners. Topics may include archives, electronic media, curatorial authority, controversies, First Nations peoples, tourism, and cultural heritage.

Prerequisites: History 2202 and one of History 1101, 1103, 1111, 1117, 1119, 1131, or 1133.

HIST 4411 – The American Civil War and Reconstruction

(3 credits) 3 hours lecture

This course is an exploration of the rise of sectional conflict, the Civil War, Reconstruction, and the ways in which Americans have remembered these events. Topics include slavery, political conflict, strategy and tactics, the home front, race, Reconstruction and reunion, and the role of the media in shaping popular conceptions of history.

Prerequisites: History 1117 and 2202.



HIST 4455 – Canada in the Era of the Cold War

(3 credits – TG) 3 hours lecture

This advanced seminar course focuses on the social, political, and cultural history of Canada from 1945 to 1991. Themes include Canadian defence, nuclear weapons, foreign policy, espionage, domestic and international politics, the development of social programs, and Canadian culture.

Prerequisites: History 2202 and one of History 1131, 1133, or 2232.



HIST 4461 – Limits of Representation: Holocaust and Memory

(3 credits) 3 hours lecture

The Holocaust changed the historical, political and cultural landscape, and this course will help students understand how society remembers and historicizes this event. In this senior seminar course, students engage with primary documents such as published and unpublished survivor testimony, historical and contemporary novels and films and other representations of this traumatic event.

Prerequisites: History 2202 and 3361.



HIST 4486 – The Industrial Revolution

(3 credits – TG) 3 hours lecture

This course examines the origins, spread and consequences of the Industrial Revolution in Europe between 1750 and 1900. The course is intended to provoke informed reflection on the important changes produced by the transition to the industrial age, with particular emphasis on developments in England where the Industrial Revolution first began.

Prerequisites: History 2202 and one of History 1103, 2241 or 2243.



HIST 5110 – Honours Project I

(3 credits) 3 hours lecture

Required for all students in the Honours stream, History 5110 is an advanced seminar course that provides students with the practical skills and knowledge necessary to develop their Honours project (History 5120), a substantial piece of independent research.

Prerequisite: History 2202.

Note: This course is restricted to students who have completed 30 courses towards the B.A. and who are officially accepted and enrolled in the History Honours Program. This course is offered only in the Fall semester.

HIST 5120 – Honours Project II

(3 credits) 3 hours lecture

Required for students in the Honours stream, History 5120 is an independent study course in which students research, write and present an Honours project, a substantial piece of original research. The project will be conducted under the direction of a faculty supervisor.

Prerequisite: History 5110.

Note: This course is restricted to students in the final year of their program who are officially accepted and enrolled in the History Honours Program. This course is only offered in the Winter semester.

HIST 3199, 4199 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

HUMAN RESOURCES (HRES)

HRES 2170 – Introduction to Human Resources

(3 credits – TG) 3 hours lecture

This course will introduce students to the various elements of Human Resources management. In addition to the functional areas within HR, students will focus on the legal, ethical, and strategic HR management issues. Contemporary HR issues will also be discussed.

Note: Only one of Entrepreneurship 2237 and Human Resources 2170 can be used to satisfy program requirements.

HRES 3274 – Recruitment & Selection

(3 credits – TG) 3 hours lecture

This course provides students with the knowledge and skills to design and implement strategic recruitment and selection initiatives. Topics include: analyzing and developing job requirements, legal considerations, identifying sources of applicants, screening mechanisms, testing methods, and effective interviewing techniques. Students will take part in interview simulations in order to enhance their skills in this area.

Prerequisite: Human Resources 2170 or Entrepreneurship 2237.

HRES 3275 – Compensation & Benefits

(3 credits – TG) 3 hours lecture

This course provides students with an overview of direct and indirect compensation theory and practices within the Canadian business environment. Students will explore the design, implementation, and management of compensation and benefits systems, and how these align with an organization's overall vision. Current practices that link total rewards and employee attraction, retention, and motivation will also be discussed.

Prerequisite: Human Resources 2170 or Entrepreneurship 2237.

HRES 3277 – Organizational Learning and Development

(3 credits – TG) 3 hours lecture

This course provides students with the theoretical constructs as well as practical elements for assessing, designing and developing learning initiatives from a broader organizational and strategic perspective. Areas of examination in this course include an overview to strategic learning and development within organizations, building a learning culture, as well as assessing what type of learning and development interventions can be introduced to address individual and organizational performance.

Prerequisite: Human Resources 2170 or Entrepreneurship 2237.

HRES 3278 – Employee Relations

(3 credits) 3 hours lecture

This course provides students with the theoretical constructs as well as practical elements for engaging in effective employee relations. Practical areas of examination in this course include an overview to effective employee relations within organizations, recognition strategies to maintain an engaged work force, how prevailing attitudes affect good employee relations, managing conflict and diversity as well as coping with change. It also provides an overview to the role of coaching in performance management.

Prerequisite: Human Resources 2170 or Entrepreneurship 2237.

HRES 4273 – Labour Relations

(3 credits – TG) 3 hours lecture

This course examines the current state of industrial and labour relations within Canada. Applicable legislation will be discussed, and students will review the terms and conditions contained within collective agreements. The roles and impacts of unions, both within organizations, and within Canadian society will be explored. Students will take part in a bargaining simulation in order to develop their knowledge and skills in this area.

Prerequisite: Human Resources 2170 or Entrepreneurship 2237.

HRES 4407 – Transition Management

(3 credits) 3 hours lecture

This course provides students with an understanding of how HR professionals effectively identify, guide, and implement changes within an organization. Topics include: change agents, barriers to change, and employee communication strategies during times of transition. Students will explore the concept of coaching employees through transitions, and effectively aligning change to an organization's strategic intent.

Prerequisite: Management 3276.

HRES 5101 – Strategic Human Resources Management

(3 credits) 3 hours lecture

This course is an examination of the overall role and functions of human resource management in relation to an organization's strategic planning process. Students will explore how to manage human resources effectively in the dynamic legal, social, and economic environment currently challenging organizations. The emphasis will be on the methods in which typical HR activities, e.g., recruitment & selection, and compensation & benefits align with the organization's goals and objectives.

Prerequisites: Finance 3227, Human Resources 3275, Management 2130 or Management 2131 or Entrepreneurship 2201, Management 3276 or Entrepreneurship 4431 or 4461, Marketing 2150.

HRES 2299, 3399 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

HUMANITIES (HUMN)

HUMN 1103 – Symbols (formerly HUMN 2203)

(3 credits – TG) 3 hours lecture

This course provides an exploration of the meaning of symbolism in human experience. Theoretical approaches may include psychology (Jung, Lacan), hermeneutics (Cassirer, Ricoeur), educational theory (Steiner), etc. Specific themes that may be examined in-depth include the nature of the Symbolic religious symbolism; metaphors and images of life and death; and symbols of technical power and control.



HUMN 1109 – Western Culture I: Before the Reformation (formerly HUMN 2209)

(3 credits – TG) 3 hours lecture

This course surveys the development of Western cultural experience from its origins in Ancient Greece (circa 800 BCE – 323 BCE) to the end of the Middle Ages (circa 1500 AD). Although the course employs an historical framework, its overall approach is interdisciplinary, drawing on the findings of archaeologists, classical scholars, philosophers, art historians, literary critics as well as historians of the Ancient World and the Medieval World.



HUMN 1111 – Western Culture II: Since the Reformation (formerly HUMN 2211)

(3 credits – TG) 3 hours lecture

This course surveys the development of the Western cultural experience from the Reformation (circa 1500 AD) to the present. Although the course employs an historical framework, its overall approach is interdisciplinary, drawing on the insights of artists, poets, novelists, musicians, philosophers, and scientists, as well as historians of the Early Modern and Modern periods of Western culture.



HUMN 2201 – Outstanding Lives (formerly HUMN 1101)

(3 credits – TG) 3 hours lecture

This course provides an interdisciplinary study of the original works of significant thinkers from the areas of the arts, fine arts, science, religion and politics. Each semester a different individual or individuals are the focus of study.



HUMN 2219 – Ancient Greece (800 BCE – 323 BCE) (formerly HUMN 3309)

(3 credits – TG) 3 hours lecture

This course provides a comprehensive introduction to the history and culture of Ancient Greece (circa 800 BCE – 323 BCE). The course employs an interdisciplinary approach, examining the mythology, religion, history, politics, philosophy, science, art and literature of this ancient culture that has often been seen as the cradle of Western civilization.

Recommended Preparation: History 1101.

Note: Humanities 2219 = Athabasca University HUMN 309. Credit will be allowed for only one of Humanities 2219 and HUMN A309.



HUMN 2221 – Science and Religion in Early Modern Europe (formerly HUMN 3321)

(3 credits – TG) 3 hours lecture

This course explores the tremendous changes that occurred in science and religion between 1450 and 1700. In particular, it looks at the reasons that religion and natural science split apart into separate institutions during the Renaissance and the Scientific Revolution. Topics such as authority and belief, the earthly and heavenly realms, the extent of human knowledge, and the relation between humans and nature will be discussed.

Recommended Preparation: One or more of Humanities 1105, 1109, 1111, History 1101, 1103, 3333, 3357, Philosophy 1101, 2215, 2263, 2267, Religious Studies 1101, 2207.



HUMN 2297 – Issues in Science and Religion (formerly HUMN 3397)

(3 credits – TG) 3 hours lecture

This course examines issues of mutual concern for science and religion such as evolution and creation, value and meaning of humanity, exploitation and/or stewardship of life, of the world.



HUMN 3199, 4199 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

INDIGENOUS STUDIES (INST)

INST 1101 – Introduction to Indigenous Studies: the Canadian Context

(3 credits) 3 hours lecture

This course provides an introduction to the interdisciplinary field of Indigenous Studies. Specifically, the course surveys the diverse histories and traditional and contemporary cultures of the various groups in what is now Canada. Taught from an Aboriginal perspective, the course explores a wide range of topics, with an emphasis on colonization and decolonization.



INST 1111 – Introduction to Indigenous Studies: International Perspectives

(3 credits) 3 hours lecture

Taught from an Aboriginal perspective, this course explores a range of topics, with an emphasis on colonization and decolonization in a comparative international context. The Indigenous peoples focused on will vary from semester to semester and may include groups from areas such as Australia, New Zealand, South America and the United States.

Recommended Preparation: Indigenous Studies 1101.



LSCM 2201 – Introduction to Logistics and Supply Chain Management

(3 credits) 3 hours lecture

This course provides an overview of the importance of logistics and the supply chain process in determining the competitive success of an organization. Students will be introduced to the various components of the supply chain and their logistical requirements. Topics to be surveyed in this course include value process management, transportation management, purchasing, inventory management, demand forecasting, materials and warehouse management, enterprise resource planning (ERP), supply chain information systems, production and operations management, e-commerce, customer and supplier relations, quality assurance, outsourcing, third-party logistics and global productions.

LSCM 3010 – Directed Field Studies II

(15 credits)

This Directed Field Studies course requires students to be employed in a logistics or supply chain management position. The employer and placement must be approved by the work experience coordinator and the position must consist of at least 450 hours of work. Students will typically work in a supply chain function for an organization or in a company specializing in transportation, distribution, or logistics. Under the supervision of a faculty advisor, students must complete a series of applied research projects to relate their practical experience with their academic studies.

Prerequisites: Logistics and Supply Chain Management 2010, 4402 and 4403 or consent of the department. Successful completion of work experience professional development sessions.

LSCM 3203 – Principles of Quality Management

(3 credits) 3 hours lecture

This course provides an introduction to basic concepts, processes, and issues in quality management practices with respect to services, goods and information. Topics include planning, organizing and controlling for quality; the human aspects of quality; quality assurance and purchasing; ISO standards; and, continuous improvement and reengineering.

Prerequisite: Logistics and Supply Chain Management 2201, or consent of the department.

LSCM 3301 – Introduction to Physical Distribution

(3 credits) 3 hours lecture

The challenge of logistics is ensuring that the right products reach the right destination in the right condition, and at the right time. This course provides an overview of the various transportation modes and procedures in Canada. Topics include modes of transportation and intermodalism, intermediate agencies, and distribution methods such as warehousing, materials handling and unitization.

LSCM 3303 – Fundamentals of Purchasing

(3 credits) 3 hours lecture

Organizations are recognizing the value of purchasing beyond the basic transactional level. This course introduces students to the principles of purchasing, while addressing the impacts of technology, supply chain management and business strategy on purchasing in today's business environment. Other topics include procurement planning and procedures and supplier relations.

LSCM 3305 – Physical Distribution and Logistics

(3 credits) 3 hours lecture

Logistics and transportation are critical links in today's supply chain. Building on the fundamentals addressed in Logistics and Supply Chain Management 3301, this course explores the concepts of physical distribution and logistics, as well as addressing the specific areas of contracts, loss and damage, dangerous goods, marine insurance, Canada Customs, international trade and the transportation regulatory environment.

Prerequisite: Logistics and Supply Chain Management 3301.

LSCM 3307 – Introduction to e-Business

(3 credits) 3 hours lecture

This course examines the impact technological changes have made on the face of business. This course encompasses Internet technology, the nature of e-business competition, and underlying economics of e-business to provide a comprehensive look at how businesses survive and thrive on the Internet. Topics include web and Internet fundamentals, e-business models, customer interface, and marketing and e-business strategy.

Prerequisite: Marketing 2150 or consent of the department.

LSCM 4402 – Inventory and Warehouse Management

(3 credits) 3 hours lecture

Through the application of sound materials management principles, students will be equipped to develop and implement strategic inventory and warehousing plans. The course is broken into two components; inventory management and warehouse management. Inventory management topics include inventory functions, demand forecasting, aggregate and production planning, master production and materials requirements planning, and lean or JIT inventory management. Warehouse management topics include facility layout, retrieval technologies, performance benchmarking, safety, security, and risk management.

Prerequisites: Logistics and Supply Chain Management 3303 and 3305, or consent of the department.

LSCM 4403 – Operations Management

(3 credits) 3 hours lecture

This course is a survey of the decision processes in production and operations management, and the relationship to other business areas. Topics covered include forecasting, product and service design, capacity planning, waiting line models, facility location and layout, process selection, design of work systems, linear optimization, quality inspection and control, life cycle management, inventory management, aggregate planning, material requirements planning, project operations management, and operations scheduling.

Prerequisite: Management 2263 or Entrepreneurship 2261 or Mathematics 1224 or Administration 1264.

LSCM 4407 – Business Negotiations/Project Management

(3 credits) 3 hours lecture

This course provides an overview of the basic principles of interest-based bargaining and project management. The first part of the course will focus on the basics of interest-based bargaining and how those skills can be applied to supply chain management in a global environment. The second part of the course focuses on the input/output tools and techniques necessary to take a project from inception to completion. The students will also learn how to operate project management software for budgeting and scheduling purposes.

Prerequisite: Logistics and Supply Chain Management 2201 or Management 3276, or consent of the department.

LSCM 4409 – Supply Chain Decision-Making

(3 credits) 3 hours lecture

Participants in this course will solve various applied business problems in logistics and supply chain management. Emphasis will be on the application of critical evaluation and judgment, together with skills from the foundation disciplines in prerequisite courses, to formulate innovative business solutions for integrated case study scenarios.

Prerequisite: Logistics and Supply Chain Management 4402 or consent of the department.

LSCM 4411 – Integrated Business Solutions

(3 credits) 3 hours lecture

This course demonstrates how to apply selected information technologies for supply chain management. Emphasis will be upon identifying, assessing and using the best available software to enable enhanced performance within an overall enterprise based systems environment. Participants will be exposed to a menu of commonly used software applications including Enterprise Resource Planning tools, transactional e-commerce packages, inventory management systems, materials supply and purchasing tools, planning and scheduling packages, demand forecasting and collaborative supply chain applications.

Prerequisites: Logistics and Supply Chain Management 3305 and 4402 or consent of the department.

MANAGEMENT (MGMT)

MGMT 2130 – Management Principles and Practices

(3 credits – TG) 3 hours lecture

This course is a comprehensive and practical study of the major functions that comprise management processes, and the constraints within which the manager must operate. The focus (through the use of case studies and experiential exercises) is on how to perform these functions in an ethical and socially responsible manner to maximize productivity within the constraints of the organizational environment. A strong emphasis is put on understanding and identifying ethical dilemmas in the business world.



MGMT 2131 – Introduction to Business Administration

(3 credits – TG) 3 hours lecture

This course introduces the functional areas of business and the integration of these areas for effective and efficient operation of organizations in a variety of sectors. Emphasis is placed on effective team work skills, research skills, and decision-making skills.



MGMT 2262 – Business Statistics I

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This course introduces descriptive and inferential statistical analysis while emphasizing thinking skills and computer literacy. Topics include descriptive statistics, probability theory, simple random samples, discrete and continuous random variables, the central limit theorem, confidence intervals, and hypothesis testing. This course will emphasize the application of statistical analysis to business situations, the understanding of which will be further enhanced through exposure to current statistical computer software.

MGMT 2263 – Business Statistics II

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This is the second course in applied statistical analysis as offered in the Bissett School of Business. This course examines inferential statistical analysis while emphasizing thinking skills and computer literacy. Topics include parametric and nonparametric hypothesis testing procedures. Simple and multiple regression analysis will also be examined and applied to business situations. The understanding of the course material will be further enhanced through exposure to both manual and computerized methods using current statistical computer software.

Prerequisite: Management 2262 or Entrepreneurship 2261 or Mathematics 1224.

MGMT 2275 – Creativity in the Workplace

(3 credits) 3 hours lecture

In this course, students will gain an understanding of the concept of creativity—its nature, complexity, and relationship to major components present in any environment. They will analyze their own creative strengths and weaknesses, and will learn and practice tools to improve their creative competence. Through various learning activities, learners will develop an appreciation for why we need to learn about, and practice, creativity.



MGMT 3210 – Business Communication Theory and Practice

(3 credits – TG) 3 hours lecture

Students will develop their abilities for writing business letters, memoranda, reports, and for preparing and delivering oral presentations. Students will develop an understanding of strategic communications by exploring both internal and external organizational communication strategies.

Prerequisite: English 1101/General Education 1401 or General Education 1402 or any 1100-level English or higher.



MGMT 3230 – Business Law

(3 credits – TG) 3 hours lecture

Students will gain experience in legal problem solving with emphasis on legal issues involving business. The core of the course requires critical legal thinking in the following areas: agreements, liability, property rights, constitutional rights, and different ways to set-up businesses and non-profit activities. Additional topics will vary from semester to semester and may include crime, consumer protection, commercial transactions, creditor and debtor relations, and other timely legal topics.



Note: Only one of Entrepreneurship 3331 or Management 3230 can be used to satisfy program requirements.

MGMT 3265 – Management Information Systems

(3 credits – TG) 3 hours lecture

This course focuses on the role of information technology in an organization and its application to business problems. Techniques for designing, implementing and managing information systems are presented. Topics covered include hardware and software, file management, database organization, networking and telecommunications, systems development and design, flowcharting, system security, backup and recovery, and artificial intelligence.

Prerequisite: Accounting 2120 or 2121.

MGMT 3269 – Project Management

(3 credits) 3 hours lecture

This course introduces students to project management. Content includes concepts, principles, and the inputs, outputs, tools and techniques necessary to take the project from inception to completion. Students will learn, using PMBoK (Project Management Body of Knowledge), how to initiate a project, plan for its completion, monitor and control the project during implementation, and closing the completed project. Projects will be developed that are industry specific and will be used to allow students to take a project from inception to completion.

MGMT 3276 – Organizational Behaviour

(3 credits – TG) 3 hours lecture

This course provides an examination of the behaviour of people in organizations. Emphasis will be placed on the application of theory through group interaction and case studies. Topics include: individual behaviour, group behaviour, leadership, motivation, conflict resolution, and organizational culture.



Prerequisite: Management 2130 or Entrepreneurship 2201 or Management 2131.

MGMT 3353 – Business Integration

(3 credits) 3 hours lecture

This integrative course develops the applied skills associated with the implementation of business strategies across an organization. It focuses on evaluating the competitive environment and the internal resources that are associated with a small firm or a functional unit. From that understanding, students will explore how a manager or a divisional supervisor helps contribute to creating a competitive position for the firm. The course also helps students understand the integration of different organizational functions. Given the emphasis on the daily decisions of a manager, students will be able to understand and experience the challenges in running a company, through business-case discussions and an on-line simulation.

Prerequisites: Accounting 2121, Human Resources 2170, Management 2130, and Marketing 2150.

MGMT 4230 – Advanced Business Law

(3 credits) 3 hours lecture

From a broad based understanding of legal principles and problem solving gained in MGMT 3230 students will learn theory and develop skills in the following legal subjects: contract interpretation, drafting, and management; secured transaction and creditors rights; legal research and preparing briefs of the law; consumer protection; environmental protection; international business; and E-commerce and the law.

Prerequisite: Management 3230 or Entrepreneurship 3331.

MGMT 4402 – Corporate Social Responsibility

(3 credits) 3 Hours Lecture

This course deals with the interrelationship of corporate social responsibility, corporate integrity, organizational culture, corporate strategy and organizational management/leadership. Topics covered may include: fair-trade and globalization and other converging and emerging ideas about the continuing evolution of CSR.

Prerequisite: Management 3276 or Entrepreneurship 4431 or 4461.

MGMT 4403 – Environmental Management & Sustainable Development

(3 credits) 3 hours lecture

This is an advanced management course that introduces students to the issues, concepts, problems and processes of environmental management. Various management topics will be discussed including the design, implementation, and operation of an Environmental Management System, the tools of environmental management, and the concept of Sustainable Development. Students will gain an understanding of management processes and concepts and their application to the field of environmental management. Specific environmental issues will also be discussed and their relationship to the management of an organization.

**MGMT 4407 – Governance and Ethical Issues in Organizations**

(3 credits – TG) 3 hours lecture

This course will focus on the decisions faced by strategic leaders in the organization, and their impact on the actions taken by managers and employees of the organization. Emphasis will be placed on assessing the competing interests between social and personal values. Additional topics will include workplace practitioners and pressures, the natural environment, and the broader well-being of the society in which the organization exists. Cases in governance and ethical issues will be used to support the learning activities of this course.

**MGMT 4408 – Financial Risk Management**

(3 credits – TG) 3 hours lecture

The focus of this course is on understanding the creation of economic value in a firm by managing exposure to risk with the use of specific financial instruments, such as the use of derivatives and hedging strategies to manage currency and interest rate risks. Additional topics may include the quantification and management of market risk, credit risk and operational risk; the examination and testing of various financial models; and the tax consequences of financial decisions.

Prerequisite: Finance 3227 or Administration 1227.

MGMT 4431 – Leadership Development (formerly ENTR 4431)

(3 credits – TG) 3 hours lecture

The course offers a balanced integration of theory and practice of skills generally accepted as necessary to leaders of small enterprises and other organizations. The course is designed to help guide individuals in developing specific personal management competencies. Topics include problem solving, decision-making, team building, initiating and managing change, organization, and managing conflict.

Prerequisite: Human Resources 2170 or Entrepreneurship 2237.

**MGMT 5333 – Strategic Management**

(3 credits – TG) 3 hours lecture

This capstone course develops the conceptual and applied skills associated with analyzing a competitive situation from a general management point of view. It addresses issues affecting the fundamental direction of the firm, considers the formulation and implementation of strategy, focuses on the extent to which different aspects of the firm fit with key environmental forces, and discusses the organization's ability to leverage its unique core competencies. The course views the organization holistically and, as such, goes beyond the mere integration of specific organizational functions.

Prerequisites: Management 3276, or Entrepreneurship 4431 or 4461, Marketing 2150, Human Resources 2170 or Entrepreneurship 2237, Accounting 3224 or Administration 1329, Finance 3227, Logistics & Supply Chain Management 4403 or Airflight 1242.

MGMT 2299, 3399 – Directed Readings

See Directed readings which are listed alphabetically in this section of the calendar.

MARKETING (MKTG)**MKTG 2150 – Introduction to Marketing**

(3 credits – TG) 3 hours lecture

This course provides an introduction to the fundamental concepts and principles of marketing including an introduction to the 4 P's or marketing mix - product, price, place and promotion. Upon successful completion of this course, the student will have the ability to: evaluate customer wants and needs; analyze and interpret market research; link trends in the environment to marketing decisions; develop a customer or target market profile for a product (good, service or idea); and communicate a marketing strategy effectively in visual, verbal and written formats. This course serves as the foundation for subsequent marketing courses.

**MKTG 2154 – Professional Selling**

(3 credits – TG) 3 hours lecture

This course provides an in-depth study of the sales process: prospecting, presenting, meeting objections and closing. Emphasis is placed on understanding the sales process and developing the skills necessary for successful selling. Using information access and retrieval skills, a complete sales presentation is developed and presented to the class.

MKTG 3253 – Retail Management

(3 credits – TG) 3 hours lecture

This course provides an introduction to the nature, scope, problems and challenges of retail management. The strategy and decision-making involved in location analysis, retail organization, merchandising and managing the retail mix is examined.

Prerequisite: Marketing 2150.

MKTG 3254 – Sales Management

(3 credits – TG) 3 hours lecture

This course provides an examination of the techniques of marketing and promotion, the direction and organization of sales personnel and the control of marketing costs. Students will discuss many of the business problems faced by an actual sales manager.

Prerequisites: Marketing 2150 and 2154.

MKTG 3255 – Services Marketing

(3 credits) 3 hours lecture

This course provides students with knowledge and understanding of the important differences between services organizations and manufacturing businesses, and focuses on the development and implementation of distinctive and innovative marketing strategies for services firms in the light of these differences.

Prerequisite: Marketing 2150.

MKTG 3256 – Advertising and Sales Promotion

(3 credits – TG) 3 hours lecture

Upon successful completion of this course, the student will be able to: understand the issues involved in planning integrated communication campaigns at a strategic and operational level; understand how to appraise the suitability of elements of the marketing communications mix for specified objectives; plan media effectively for a specified target audience; and evaluate the success of communication campaigns. The student will have the ability to prepare an effective fully integrated communications plan for a specified product or service.

Prerequisite: Marketing 2150.

MKTG 3257 – Business to Business Marketing

(3 credits – TG) 3 hours lecture

This course provides an examination of marketing in the business to business environment. Topics covered include organizational buying behaviour, evaluation of business markets and development of business to business marketing strategy. Students will have the opportunity to develop a trade show concept and exhibit the project to the class. Information access and retrieval skills are further developed in completing the project. The information must then be synthesized in order to draw conclusions, make decisions, solve problems and generate new ideas.

Prerequisite: Marketing 2150.

MKTG 3258 – Marketing Research

(3 credits – TG) 3 hours lecture

A study of the theory and application of marketing research is undertaken, including why marketing research is done and how it is used. The components of effective marketing research including proposals, research design, questionnaire design, collection of data, analysis and interpretation of results are introduced and applied in real-life situations. Students learn to use and evaluate various online sources of business information such as the Internet, Strategis, Statscan, Dialog and trade publications.

Prerequisite: Marketing 2150.

Pre or Co-requisite: Management 2262 or Entrepreneurship 2261 or Mathematics 1224 or Administration 1264.

MKTG 4150 – Buyer Behaviour

(3 credits) 3 hours lecture

Buyer behaviour is a discipline that looks at why people buy the things they do. This marketing discipline applies knowledge from areas such as psychology, sociology, anthropology, and economics to describe and understand how buyers are likely to behave. This course examines the complex behavioural processes which determine buyer behaviour and customer relationship management. A variety of situations will be analyzed with special reference to individual and group influences. Database planning, design and creation will be covered, with a focus on the role of the database in a firm's marketing strategy emphasizing customer relationship building and servicing.

Prerequisite: Marketing 2150.

MKTG 4259 – Marketing Decision Making

(3 credits – TG) 3 hours lecture

This course uses a problem-solving approach to marketing concepts through case analysis and a business simulation. The course provides an in-depth examination of the decision-making necessary for marketing strategy formulation, product positioning, pricing, channel, marketing research, and promotion, and marketing for nonprofit organizations. The development of thinking skills is encouraged through activities such as distinguishing fact from opinion, challenging assumptions and recognising bias in yourself and others. Communication of ideas both verbally and in writing is required.

Prerequisites: Marketing 2150 and 3258.

MKTG 2299, 3399 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.

MATHEMATICS (MATH)

MATH 0109 – College Preparation Math Refresher

(0 credits)

This is a credit-free upgrading course; special fees apply. This course is a math refresher geared for students who have been away from school and who need to revisit prealgebra concepts such as dealing with fractions, exponents and simple geometry.

MATH 0115 – Algebra Foundations

(0 credits) 5 hours lecture, 1 hour tutorial

This is a credit-free upgrading course; special fees apply. This course comprehensively covers the essential topics of algebra and the basic principles of geometry to an intermediate level. The course is designed to meet the needs of students who have a minimal background in algebra or whose proficiency may have declined during years away from formal education. Successful completion of this course prepares students for Mathematics 0130, where algebraic skills are utilized to study more advanced topics.

Corresponding Alberta High School Equivalent: Pure Mathematics 10/20.

MATH 0130 – Algebra and Trigonometry

(0 credits) 5 hours lecture, 1 hour tutorial

This is a credit-free upgrading course; special fees apply. Topics include: inequalities, properties of functions and graphs, polynomial functions, rational functions, exponential and logarithmic functions and trigonometric functions.

Corresponding Alberta High School Equivalent: Pure Mathematics 30.

Recommended Preparation: Mathematics 0115, Pure Mathematics 20 or equivalent.

MATH 0131 – Calculus and Matrices

(0 credits) 5 hours lecture

This is a credit-free upgrading course; special fees apply. Part 1: Calculus – Limits, differentiation of sums, products and quotients (excluding exponential, logarithmic and trigonometric functions), the Chain Rule, application to curve sketching, maximum and minimum problems, motion, simple integration, area under a curve and area between curves. Part 2: Matrices – Systems of linear equations, operations with matrices, special matrices, the determinant function, inverses of matrices.

Corresponding Alberta High School Equivalent: Mathematics 31.

Recommended Preparation: Mathematics 0130, Pure Mathematics 30 or equivalent.

MATH 1102 – Introduction to Geometry

(formerly MATH 2102)

(3 credits) 3 hours lecture

Introduction to Geometry is a foundational course intended for an audience interested in geometry and its applications. We will introduce Euclidean geometry in two and three dimensions, along with analytic geometry. Popular topics such as symmetry, fractals or the golden ratio will also be covered.



MATH 1103 – Journey Through Statistics

(formerly MATH 2103)

(3 credits) 3 hours lecture

Journey through Statistics is a course intended for a general audience that is interested in statistical concepts in their every day life. Our course will be more qualitative than quantitative and its intention is to spark interest in statistics and probability as a discipline. The emphasis will be given to understanding statistical and probabilistic concepts as opposed to computational aspects.

MATH 1160 – Higher Arithmetic (formerly MATH 2160)

(3 credits – TG) 3 hours lecture

This course explores elementary number theory, numeration systems, operations on integers and rational number and elementary combinatorics using both inductive and deductive methods. Emphasis will be put on the development of clarity and understanding of mathematical processes and ideas, the application of these ideas to problem solving and the communication of these ideas to other people.

Prerequisite: Mathematics 30-Pure or the permission of the department.

PSYC 1103 – Introduction to Psychology I: Natural Science (formerly PSYC 1102)

(3 credits) 3 hours lecture

This course introduces the history, methods, and current state of knowledge in selected areas of modern psychological research. A range of content areas will be surveyed, including biological psychology, sensation and perception, learning, memory, cognition, and consciousness.



Note: Credit will be allowed for only one of Psychology 1102 and Psychology 1103. Credit will be allowed for only two of Psychology 1103, 1104, and 1105.

PSYC 1104 – Introduction to Psychology II: Social Science (formerly PSYC 1101)

(3 credits) 3 hours lecture

This course provides a survey of the current psychological knowledge in a range of topics that will include developmental psychology, personality, psychological disorders, therapy, stress, social psychology, assessment, motivation and emotion.



Prerequisite: Psychology 1103.

Note: Credit will be allowed for only one of Psychology 1101 and Psychology 1104. Credit will be allowed for only two of Psychology 1103, 1104 and 1105.

PSYC 1105 – Introduction to Psychology (formerly PSYC 2205)

(3 credits - TG) 3 hours lecture

This course introduces the history, methods, and current state of knowledge in modern psychological research. A wide range of content areas will be surveyed, including biological psychology, learning, memory, perception, personality, psychological disorders, therapy, stress, social psychology, psychological development in children, and the ethics of research. Additional topics may be included at the discretion of the instructor.



PSYC 1121 – Interpersonal Communications I (formerly PSYC 1221)

(3 credits – TG) 3 hours lecture

This course provides an opportunity to explore some important aspects of interpersonal communication, to develop a greater understanding of interpersonal effectiveness, and on the basis of this understanding to practice behaviours, that increase interpersonal effectiveness.

PSYC 1127 – Problem Solving and Decision Making (formerly PSYC 2227)

(3 credits – TG) 3 hours lecture

When people solve problems and make decisions, what steps and processes are involved? What is creative thinking, what is critical thinking, and how does each contribute to effective problem solving and decision making? What strategies are used by highly successful problem solvers and decision makers? What are the common obstacles to effective problem solving and decision making and how can these be overcome? How can we become more adept at solving problems and making decisions in academic, work, interpersonal, and everyday settings? This course will address these issues by reviewing relevant theories and research findings from the field of cognitive psychology.

PSYC 2210 – Statistical Methods for Psychology I

(3 credits) 2 hours lecture, 1 hour tutorial

This course introduces basic statistical techniques as applied to psychological research. Tabulation, graphic representation, univariate descriptive techniques, correlation and linear regression will be examined. The course will also cover basic inferential statistics, including normal curve and t tests. Students will learn statistical software and will use the software to perform calculations.

Prerequisite: Mathematics 30 (pure or applied) or equivalent;

Prerequisite or Co-requisite: Psychology 1104 or Psychology 1105.

PSYC 2211 – Statistical Methods for Psychology II

(3 credits) 2 hours lecture, 1 hour tutorial

This course introduces students to more advanced statistical techniques than those covered in Psychology 2210 (Statistical Methods for Psychology I). Statistical processes such as multiple regression, one-way and two-way analysis of variance including post-hoc comparisons, and non-parametric hypothesis tests are included. Students will use statistical software to perform data analyses.

Prerequisites: Psychology 2210

Note: Credit will be allowed for only one of Psychology 2212 and Psychology 2211.

PSYC 2213 – Research Methods I (formerly PSYC 3313)

(3 credits – TG) 3 hours lecture, 1 hour tutorial

This course is an introduction to basic research methods in psychology. Students will examine both the theory and application of a variety of research techniques including observation, surveys/questionnaires, and experiments. The course provides students with practice in defining and understanding key aspects of these techniques and applying these techniques to address a variety of psychological research questions.

Prerequisite: Psychology 2212 or both Psychology 2210 and 2211

Note: Psychology 2211 may be taken concurrently

PSYC 2219 – Psychology of Death and Dying (formerly PSYC 3319)

(3 credits – TG) 3 hours lecture

The course examines social and psychological aspects of death and dying, such as: historical and cross cultural variability in death attitudes, spirituality, the dying process, ethical issues such as euthanasia and suicide, bereavement, burial practices and death perceptions across the life-span.

Prerequisite: Psychology 1104 or Psychology 1105, or consent of the department.

PSYC 2223 – Interpersonal Communications II: Teamwork, Diversity, and Conflict Resolution

(3 credits – TG) 3 hours lecture

Students will explore teamwork, diversity, and conflict resolution as three key aspects of work communication. Students will be assisted in developing conceptual understandings of these topics through illustrative case studies which consider a variety of work situations, through role plays, and through selected readings. Facilitated teamwork in seminars, in projects, and in presentations, as well as journal activities, will assist students in making their learning relevant to their current and anticipated work settings.

Recommended Preparation: Psychology 1121.

PSYC 2235 – Life-Span Development (formerly PSYC 3325)

(3 credits – TG) 3 hours lecture

This course provides an overview of the major developmental stages from birth to death. Development will be studied from a variety of theoretical perspectives and the application of theory to practical situations will be examined.

Prerequisite: Psychology 1104 or 1105.

PSYC 2245 – Social Psychology (formerly PSYC 3345)

(3 credits – TG) 3 hours lecture

Students will examine social psychological approaches to understanding social influence, social perception and cognition, attitudes and group dynamics.

Prerequisite: Psychology 1104 or 1105.

Note: Psychology 2245 = Athabasca University PSYC 379. Credit will be allowed for only one of Psychology 2245 and PSYC A379.



SPAN 3313 – Spanish in Contact with Other Languages

(3 credits) 3 hour lecture

Taught in Spanish this course discusses the development and expansion of the Spanish language and examines its status and role in comparison to other languages with which it comes into contact. Students will become familiar with concepts such as bilingualism, diglossia, code-switching, language attitude, language planning and language maintenance.

Prerequisites: Spanish 3305 and Spanish 3309.



SPAN 3315 – Introduction to Literature from Spain and Latin America

(3 credits) 3 hours lecture

This advanced Spanish course will explore a variety of texts from Spain and Latin America such as the picaresque novel, the “modernismo”, the boom and post-boom of Latin American literature, and the “Generación X” in Spain. Along with the specific analysis of texts, the historical context of each author and movement will be considered.

Prerequisites: Spanish 3305 and Spanish 3309, or consent of the department.

SPAN 3317 – Spanish Literature from the Golden Age to 19th Century

(3 credits) 3 hours lecture

This advanced Spanish course explores the significant periods in Spanish Peninsular Literature. From the classics of Cervantes to the highly acclaimed works of Emilia Pardo Bazán, this course emphasizes the evolution of the novel in Spain. Along with the specific analysis of texts, the historical context of each author and movement will be considered.

Prerequisites: Spanish 3305, 3309 and 3315 or consent of the department.

SPAN 3319 – Twentieth-Century Spanish American Testimonial Literature

(3 credits) 3 hours lecture

This course introduces the main concepts and manifestations of Twentieth-Century Spanish American testimonial narrative. Students will review texts and relate them to their different socio-historical contexts, while examining issues such as truth, fiction and memory, collective and individual voices, and the subaltern subject in testimonial literature. Readings will be complemented with audio-visual materials.

Prerequisites: Spanish 3305 and 3309 or consent of the department.

SPAN 3331 – Business Spanish I

(3 credits) 3 hours lecture

This course introduces students to the language and context of business. Spanish Students are exposed to a variety of authentic texts and commercial environments. They also analyze cultural perspectives of the business world in various Spanish-speaking countries.

Prerequisites: Spanish 3305 and Spanish 3309.



SPAN 3335 – Translation I

(3 credits) 3 hours lecture

This course is an introduction to the theory and practice of translation. Short written texts of a general nature from a variety of topics will be analyzed and translated. Students will also work on Spanish syntax, semantics, dialectal differences and cultural and stylistic components. Students will do English to Spanish and Spanish to English translations.

Prerequisites: Spanish 3305 and Spanish 3309 or consent of the department.



SPAN 3341 – Spanish-American Literature from Colonial Times to the 19th Century

(3 credits) 3 hours lecture

This course presents an overview of the evolution and development of literatures of Spanish America from their origins to the 19th century. It exposes students to in-depth reading of representative texts from different periods and gives evidence of the correlation between literary discourse and historical circumstances.

Prerequisites: Spanish 3305 and Spanish 3309 or consent of the department.



SPAN 4401 – Advanced Spanish

(3 credits – TG) 3 hours lecture

This course aims at developing students’ Spanish language proficiency at an advanced level. In addition to working with a variety of complex texts, students will produce one major project in Spanish in which they will demonstrate their ability to research and present a topic from another area of their program of studies.

Prerequisites: Spanish 3305 and 3309 and two of Spanish 3335, 3312, 3331, 3313, 3341 or consent of the department.



SPAN 4411 – Twentieth Century Literature from Spanish America

(3 credits) 3 hours lecture

This course will explore a variety of Spanish American texts by authors such as Quiroga, Borges and Carpentier. Different types of writing, including naturalist, fantastic and magic realism, will be explored. Along with the specific analysis of texts, the sociocultural context of each writer and his/her historical period will be considered.

Prerequisite: Spanish 4401 or consent of the department.



SPAN 4413 – Teaching Spanish as a Second Language

(3 credits) 3 hours lecture

This course provides students with a comprehensive overview of second language teaching methodologies as well as their relationships with theories on the nature of language and second language acquisition. Students will engage in a range of theoretical, pedagogical and reflective activities. They will write lesson plans, observe classes and do teaching demonstrations.

Prerequisite: Spanish 4401 or consent of the department.

SPAN 4415 – Twentieth-Century Literature from Spain

(3 credits) 3 hours lecture

This advanced Spanish course will explore a variety of texts of twentieth-century literature from Spain. This course explores different literary movements such as the “Generación del 27”, “Generación del 50” and “Generación X”. Along with the specific analysis of texts, the historical context of each author and movement will be considered.

Prerequisite: Spanish 3315 or consent of the department.

SPAN 4417 – Contemporary Women’s Literature from Spain and Latin America

(3 credits) 3 hours lecture

This advanced Spanish course explores a variety of texts from Spain and Latin America in order to develop an understanding of contemporary Hispanic literature written by women. This course investigates how language, history, ideology, popular culture, and politics shape the experience of contemporary women’s literature in Spain and Latin America.

Prerequisites: Spanish 3305, 3309 and 3315, or consent of the department.

WMST 2221 – Women and Health (formerly WMST 3321)

(3 credits – TG) 3 hours lecture

This course will examine women's experiences of physical and psychological health, of perceptions and treatment of women in health care systems, and of the role of women as health care providers in families and society. Examples will come primarily, but not exclusively, from the Canadian context.

Recommended Preparation: Women's Studies 1172 or any 2000 level Women's Studies course.



WMST 2239 – Gender and Popular Culture (formerly WMST 3339)

(3 credits – TG) 3 hours lecture

This course will introduce students to feminist and postmodern theoretical perspectives on gender and popular culture. Selected themes may include gender and spectatorship; representing difference; advertising as ideological practice; cyberbodies and technoculture; and subculture and cultural resistance.

Recommended Preparation: Women's Studies 1172 or any 2000 level Women's Studies course.



WMST 2241 – Women in Canada

(3 credits – TG) 3 lecture hours

~~This course examines women's experiences in Canada from the 18th to the 21st century. Themes include family, sexuality, politics, economic roles, the law, social welfare, feminism, race, ethnicity and immigration.~~



WMST 2283 – Women and Aging (formerly WMST 3383)

(3 credits – TG) 3 hours lecture

This course will examine the reality and variation in women's lives as they age. The focus will be on Canadian society in social and historical context, but comparisons and examples will be taken from other societies.

Recommended Preparation: Women's Studies 1172 or any 2000 level Women's Studies course.



WMST 3301 – Feminist Theories

(3 credits – TG) 3 hours lecture

This course provides an introduction to Western European and North American feminist writings and their relationship to women's movements from the 17th to the early 21st centuries. The effects of historical ideas about gender, race, class and sexuality on early feminist analyses and visions of social change will be considered.

Prerequisite: One of Women's Studies 1172, 2205, 2221, 2239, 2283 or 3302.

Note: Students will receive credit for only one of Women's Studies 2207 and 3301.

WMST 3302 – Feminist Research and Methods

(3 credits – TG) 3 hours lecture

This course is a feminist examination of the connections between epistemology, method and methodology. This course explores a range of approaches taken by feminist researchers when rethinking traditional analytic paradigms in order to create distinctly feminist models to guide their work.

Prerequisite: Women's Studies 1172.

Recommended Preparation: Women's Studies 3301 or any 2000 level Women's Studies course.

WMST 3309 – Contemporary Feminist Debates

(3 credits) 3 hours lecture

This course examines contemporary debates among feminists in Canada and around the world. We will compare concerns about the global situation of women, as articulated by international bodies such as the United Nations, with concerns articulated by feminists in different parts of the world. Course topics will shift to reflect the continuous and dynamic evolution of feminist thought and activism in contemporary social and political contexts.

Prerequisite: One of Women's Studies 1172, 2205, 2221, 2239, 2283.

WMST 3311 – Race, Femininity and Representation.

(3 credits – TG) 3 hours lecture

This course will examine the conventions by which subjugated colonial female identities are constructed, contested and negotiated in and through Eurocentric practices of intercultural representation. Various strategies aimed at challenging dominant codes of intercultural representation will be considered in terms of their potential to foster more empowering identities for women.

Prerequisite: Women's Studies 2239 or Sociology 2275.



WMST 3345 – Sex, Gender and the Body

(3 credits) 3 hours lecture

This course will examine the diverse and historically varying relationships forged between biological sex, culturally formulated discourses of masculinity and femininity, and the sexed body. Topic areas will include: scientific discourse and medical research, health care, popular culture, body image, religious practices, and violent conflict.

Recommended Preparation: Women's Studies 1172 or any 2000 level Women's Studies course.

WMST 3346 – Gender, Culture and Technology

(3 credits – TG) 3 hours lecture

This course will examine the power relations structuring the development and use of technology. This course explores the interplay between gender, race, class and various technologies on the everyday lives of women, both locally and globally. The problems and possibilities associated with technological development will be considered.

Recommended Preparation: Women's Studies 1172 or any 2000 level Women's Studies course.



WMST 3850 – Advanced Special Topics in Women's Studies

(3 credits) 3 hours lecture

The specific content of the course will vary by term and instructor. Possible topics include but are not limited to: feminist perspectives on war and militarism, celebrity feminists, ecofeminisms, feminist approaches to development and globalisation, psychoanalytic feminisms, the intersections of feminist and queer theories, and feminist debates regarding prostitution and sex work.

Prerequisite: One of Women's Studies 1172, 2205, 2221, 2239, 2283

WMST 4401 – Advanced Studies in Feminist Theories

(3 credits) 3 hours lecture

This course offers advanced students an opportunity to explore in breadth and depth the intellectually dynamic evolution of one particular feminist theorist and/or body of thought within the broad range of available feminist theories. Potential topics could include: post-colonial and transnational perspectives, ecofeminisms, indigenous feminisms, queer theories, and feminist approaches to world politics.

Prerequisites: Women's Studies 3301 or 1172 and one of Women's Studies 2205, 2221, 2239, 2283, or consent of the instructor.

WMST 3199, 4199 – Directed Readings

See **Directed Readings** which are listed alphabetically in this section of the calendar.