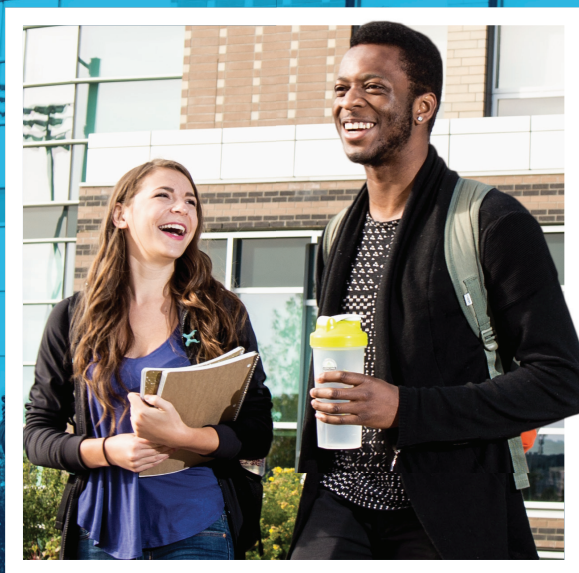




MOUNT ROYAL
UNIVERSITY
1910



Calendar

2018-2019

WELCOME TO MOUNT ROYAL UNIVERSITY

As you plan for the academic year ahead, you're eager to make your studies a success. At Mount Royal University, we know that the definition of "success" is highly personal — it can mean different things to different students at different times in their studies.

Whether you are a new student or in your final year, our priority is to help you succeed.

Mount Royal is dedicated to creating a different kind of undergraduate education experience — one that emphasizes teaching and learning as much as research. One that offers a diverse scholarly community where you can thrive. One that sets the stage for your success in future studies, in the workplace and in life itself.

You'll experience personalized learning from dedicated professors who are experts in their field of study. You'll enjoy a high-quality, broad-based education that gives you a fusion of knowledge and hands-on experience. You'll learn in exceptional academic programs that meet community, industry and graduate or professional school needs. You'll gain critical thinking and citizenship skills to help make a difference in your field, in your community and in your world.

A world of possibilities

Founded in 1910, Mount Royal is renowned for the focus our faculty and staff place on student success and satisfaction. In the 2013 Canadian University Report, our students ranked Mount Royal first among mid-sized universities in the categories of instructors' teaching style and class size.

Expect support from every corner

Ask us for advice, support or tools to help you meet your academic goals.

- » Student services: advising, tutoring, financial awards, career planning and more — all give you the support and resources to do well in whatever path you choose.
- » Small class sizes: 99% of Mount Royal classes have 50 or fewer students and 60% have 30 or fewer students.
- » Inspiring faculty: you'll get to know your professors and they'll get to know you. They're equally passionate about their field of expertise and about sharing their knowledge with you.
- » Hands-on learning: many programs offer you hands-on and real-world experience through internships, co-op programs, directed field studies, practicums and opportunities to work alongside faculty members as they conduct research.
- » Great campus life: from residences to the recreation centre, from clubs to concerts, from wellness services to intramural and varsity sports, this is an environment dedicated to making your post-secondary experience second-to-none, both in the classroom and beyond.

Getting started at Mount Royal

You'll find detailed information on Mount Royal University and its programs in this calendar. Congratulations on your choice to attend Mount Royal. We look forward to helping you make your aspirations a reality.

4825 Mount Royal Gate SW, Calgary, Alberta T3E 6K6

403.440.5000 >> 1.877.440.5001 (toll-free)

CALENDAR STATEMENT

VISION

Mount Royal University: an exceptional undergraduate educational experience.

MISSION

Since 1910, Mount Royal has built a reputation on a strong, liberal education foundation with an undergraduate focus. More than a century later, we remain responsive to the needs of our community through our enduring commitment to this legacy. We are a community of engaged citizens, providing personalized, experiential and outcome-based learning in an environment of inclusion, diversity and respect. Through our focus on teaching and learning informed by scholarship, we are preparing our graduates for success in their careers and lives.

THE MOUNT ROYAL UNIVERSITY CALENDAR

This calendar will help you learn more about Mount Royal and its programs and courses. Once you have read the material in the calendar, we encourage you to visit mtroyal.ca for further information about our academic programs, admission requirements, student services and student life at Mount Royal.

As you gather the information you need to make decisions, please keep in mind:

- As a student, you are personally responsible for keeping your individual academic records complete and accurate, and ensuring that you meet the graduation requirements of any program in which you enrol.
- Particular attention should be paid to the sections which provides detailed information about admission and registration procedures, examination policy, academic disqualification policy, general graduation requirements and grading practices.
- By applying for admission to Mount Royal, you will be agreeing to comply with the rules and regulations of Mount Royal, both as they exist and are modified or amended from time to time by the Board of Governors of Mount Royal or other persons with the authority to do so.
- Not all courses listed in this calendar will be offered in the 2017-2018 academic year. Be sure to consult the online Schedule of Classes before registering.
- Students should also refer to the Academic Schedule in the calendar which outlines significant dates and timelines, such as registration and Add/Drop deadlines, examination dates, holidays and deadline dates for fee refunds. This is also available for download as the MRUAcademic Schedule on Google.

This calendar is published once a year by the Office of the Registrar at Mount Royal. It presents a list of academic programs, courses, policies and regulations about admissions, examinations and fees, as well as general information about Mount Royal.

Should you have any questions about the information in the calendar, please contact the Office of the Registrar (Room A101).

THIS CALENDAR SETS FORTH AT THE TIME OF ITS PUBLICATION THE INTENTION OF MOUNT ROYAL WITH RESPECT TO ALL MATTERS CONTAINED THEREIN. MOUNT ROYAL RESERVES THE RIGHT WITHOUT PRIOR NOTICE TO DEVIATE FROM WHAT APPEARS IN THE CALENDAR, EITHER IN ORDER TO SERVE THE BEST INTERESTS OF THE UNIVERSITY OR BECAUSE OF CIRCUMSTANCES OR OCCURRENCES BEYOND MOUNT ROYAL'S REASONABLE CONTROL. MOUNT ROYAL EXPRESSLY DENIES RESPONSIBILITY OR LIABILITY TO ANY PERSON WHO MAY SUFFER LOSS OR WHO MAY BE OTHERWISE ADVERSELY AFFECTED BY SUCH CHANGE.

Published 2018

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Production Team: Robin Villeneuve, Maureen Evans

FREEDOM OF INFORMATION AND PROTECTIONS OF PRIVACY ACT

Mount Royal is committed to the protection of privacy and confidentiality of staff and students. The purpose of data collection is directly related to the need of Mount Royal to administer the institution/student relationship.

The personal information that students provide when applying for Mount Royal programs and courses is collected under the *Post-Secondary Learning Act* (s. 65) and the Freedom of Information and Protection of Privacy Act (s. 33 a & c). Personal information is protected by Alberta's Freedom of Information and Protection of Privacy Act and can be reviewed on request. If you have any questions about the collection or use of this information, please contact the Office of the Registrar at 403.440.3435.

Only a student's name, whether or not s/he is registered and the credential awarded (i.e., degree, applied degree, diploma, certificate, etc.) are defined as the student's public record. The public record can be kept confidential by submitting that request in writing to studentrecords@mtroyal.ca. All other information is considered confidential and will be used and disclosed in accordance with privacy legislation.

Mount Royal may also receive personal information from other relevant sources including, without limitation, secondary schools, other colleges, universities and other institutions previously attended and third-party services and test score providers where the items collected form a part of the admission process to a Mount Royal program.

Data collected by Mount Royal is used for a variety of purposes such as those detailed below. Individuals' information will only be used and disclosed in accordance with privacy legislation.

Academic Administration

Aggregate information (i.e., information that does not identify an individual student) on admission, registration, other activities related to attending courses of instruction, academic standing and graduation will be used for statistical, program evaluation and institutional research purposes by Mount Royal. Aggregate information may also be disclosed to other post-secondary educational institutions as well as the provincial and federal governments for similar purposes. Admission information will form part of the student record which will be used to record academic standing, administer awards and financial aid, authorize Library access and produce graduation lists.

Administration of Mount Royal Academic Support Services

An individual's information on admission, registration, academic standing and graduation may be disclosed and used for the routine administration of Mount Royal academic support services including but not restricted to Career Services, the Office of Student Conduct, Student Learning Services, Accessibility Services, Student Counseling, Iniskim Centre, Academic Advising and Financial Services.

Administration of Mount Royal Non-Academic Support Services

An individual's information on admission, registration, academic standing and graduation may be disclosed and used for the routine administration of Mount Royal services including but not restricted to the Office of Student Conduct, the Residence Life Program, Recreation, Security Services, Parking Services and Alumni Relations.

Scholarship and Financial Aid

Personal information submitted on scholarship and bursary applications will be used to determine an individual's eligibility for an award and for contact purposes. Mount Royal also uses student personal information already collected, including but not limited to grades, to evaluate and nominate students to receive financial awards. Limited personal information is disclosed to the Government of Alberta (Student Aid Alberta) to verify eligibility concerning scholarships and other funding opportunities on behalf of students in accordance with grant funding agreements. In the event an award is given, personal information will be used for taxation purposes.

Marketing and Recruitment

Aggregate information on admission, registration, activities related to attending courses of instruction, academic standing and graduation may be used for promotional or recruitment activities.

Cooperation with Students' Association (SAMRU)

Mount Royal also collects information on behalf of the Students' Association of Mount Royal (SAMRU) for the purpose of membership administration, elections and the administration of student benefit plans. Students should contact the SAMRU office for additional information.

Disposal of information

All documents submitted to support admission become the property of Mount Royal and will not be returned.

Status of minors

In the absence of specific provincial legislation and consistent with current practice in other post-secondary institutions in Alberta, information pertaining to a minor who is registered at Mount Royal will only be used and disclosed in accordance with privacy legislation.

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ACADEMIC SCHEDULE

FALL 2018 SEMESTER

Apply for Early Admission (applications are accepted ongoing until August 31 or until the program is declared full).	October 1, 2017 – February 1, 2018
Fall registration access dates posted - check MyMRU.	March 5, 2018
Continuing student Fall registration open - check MyMRU.	March 12, 2018
New student Fall registration open	April 16, 2018
Last day to apply to graduate for Fall Convocation.	July 31, 2018
All transcripts/official documents for admitted students due.	August 1, 2018
Last day to add name to Waitlist.	August 1, 2018
Full fees for Fall semester due (registered students only)	August 15, 2018
First day of Fall semester	September 4, 2018
New Student Orientation	September 4-5, 2018
First day of classes	September 6, 2018
Last day to adjust registration (Add/Drop) with full refund (less deposit/cancellation fee)	September 14, 2018
Full fees for Fall semester due.	September 14, 2018
Last day to be re-instated for Fall semester	September 28, 2018
Last day to apply to attend Fall Convocation.	October 15, 2018
Fall reading break	October 9-12, 2018
Final examination schedule posted	October 17, 2018
Fall 2018 Convocation.	November 2, 2018
Last day to withdraw from a course or program with an award of "W" grade(s)	November 16, 2018
Last day of Fall semester classes	December 10, 2018
Fall semester final examination period*	December 12-22, 2018
Fall semester ends	December 22, 2018

WINTER 2019 SEMESTER

Apply for Early Admission (applications are accepted ongoing until December 22 or until the program is declared full).	October 1, 2018 – November 1, 2018
Winter registration access dates posted - check MyMRU	October 1, 2018
Continuing student Winter registration open - check MyMRU.	October 9, 2018
New student Winter registration open	October 28, 2018
All transcripts/official documents for admitted students due.	December 1, 2018
Last day to add name to Waitlist.	December 1, 2018
First day of Winter semester	January 3, 2019
New Student Orientation	January 3, 2019
First day of classes	January 4, 2019
Last day to adjust registration (Add/Drop) with full refund (less deposit/cancellation fee)	January 14, 2019
Full fees for Winter semester due	January 14, 2019
Last day to be re-instated for Winter semester	January 31, 2019
Winter reading break	February 19-22, 2019
Final examination schedule posted	February 20, 2019
Last day to withdraw from a course or program with an award of "W" grade(s)	March 15, 2019
Last day of Winter semester classes	April 5, 2019
Winter semester final examination period*	April 8-18, 2019
Winter semester ends	April 18, 2019

SPRING 2019 SEMESTER

First day to apply for new students	February 25, 2019
Last day to apply to graduate for Spring Convocation	February 28, 2019
Spring registration access dates posted - check MyMRU	March 4, 2019
Continuing student Spring registration open - check MyMRU	March 11, 2019
New student Spring registration open	March 30, 2019
Last day to add name to Waitlist	April 5, 2019
All transcripts/official documents for admitted students due	April 15, 2019
First day of classes	May 6, 2019
Last day to adjust registration (Add/Drop) with full refund (less deposit/cancellation fee)	May 9, 2019
Full fees for Spring semester due	May 9, 2019
Last day to apply to attend Spring Convocation	May 15, 2019
Last day to be re-instated for Spring semester	May 21, 2019
Final examination schedule posted	May 29, 2019
Spring 2019 Convocation	June 6-7, 2019
Last day to withdraw from a course or program with an award of "W" grade(s)	June 7, 2019
Last day of Spring semester classes	June 17, 2019
Spring semester final examination period*	June 19-21, 2019
Spring semester ends	June 21, 2019

SUMMER 2019 SEMESTER

Summer registration access dates posted - check MyMRU	March 4, 2019
Continuing student Summer Registration open - check MyMRU	March 11, 2019
New student Summer registration open	March 30, 2019
Last day to add name to Waitlist	May 3, 2019
First day of classes	July 2, 2019
Last day to adjust registration (Add/Drop) with full refund (less deposit/cancellation fee)	July 5, 2019
Full fees for Summer semester due	July 5, 2019
Last day to be re-instated for Summer semester	July 16, 2019
Final examination schedule posted	July 24, 2019
Last day to withdraw from a course or program with an award of "W" grade(s)	August 2, 2019
Last day of classes	August 19, 2019
Summer semester final examination period*	August 21-23, 2019
Summer semester ends	August 23, 2019

HOLIDAYS

Labour Day	September 3, 2018
Thanksgiving Day	October 8, 2018
Remembrance Day	November 12, 2018
Christmas and New Year's closure (Recreation Centre open to the public, but administrative and academic offices closed)	December 25, 2018 – January 1, 2019
Family Day	February 18, 2019
Good Friday	April 19, 2019
Easter Monday	April 22, 2019
Victoria Day	May 20, 2019
Canada Day	July 1, 2019
Calgary Stampede Parade morning	July 5, 2019
Heritage Day	August 5, 2019

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

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

ADMISSION

INITIAL INQUIRY – ADMISSIONS AND RECRUITMENT OFFICE

Program information, admission policies and procedures can be found throughout this Calendar or online at **mtroyal.ca**. You can submit an information request at **mr4u.mymru.ca** to receive further information on a program or you can apply for admission online (within the timelines specified in the Academic Schedule section of this calendar). Additional inquiries relating to admission may be directed to the Admissions and Recruitment Office, Mount Royal University, 4825 Mount Royal Gate S.W., Calgary, Alberta, T3E 6K6. Telephone: 403.440.5000, Toll Free: 1.877.440.5001, Fax: 403.440.7252. Questions: **mr4u.mymru.ca/ask**

If you plan on living in residence to enjoy the full Mount Royal experience you may apply for residence within the appropriate timelines. More information on residence is available at **mtroyal.ca/residence**. Mount Royal has a variety of scholarships and bursaries available for entering students. Please visit **mtroyal.ca/awards** for information on these awards and to apply online.

GENERAL ADMISSION REQUIREMENTS

General Information

Mount Royal University has a general admission policy which applies to most programs as well as specific admission requirements for each program. General admission requirements can be found in this section. In addition, all applicants must demonstrate English Language Proficiency for the purpose of admission if their primary or first language (meaning main language learned and used as a child) is not English. Program specific admission requirements can be found in the program section of this calendar. See Academic Faculties.

The admission requirements in this section apply to admission for designated programs of study.

Students interested in enrolling in courses outside of a designated program of study may choose to apply for University Entrance Option or Open Studies. See the Academic Faculties section of this calendar for further information.

Mount Royal University also offers occupational diploma and certificate programs which are designed to prepare students for entry to practice in a specific career. See the Faculty of Continuing Education & Extension for more information on these programs.

Admission to Mount Royal University is competitive and as such admission will be granted to those applicants who have the highest average based on the conditional admission criteria for each admission category. All high school and post-secondary transcripts are required regardless of the level attained.

For some programs, applicants may be required to participate in additional admission criteria. See Admission Requirements for each program found in the Academic Faculties section.

Admission Categories

There are three categories for admission to Mount Royal:

- High School Applicant
- Post-secondary Applicant
- Mature Applicant

The admission category that the applicant will be considered under will be determined by Mount Royal on the following basis:

1) High School Applicant

Applicants will be considered as a High School Applicant if they are currently in high school or have left or completed high school, but have not completed sufficient post-secondary courses to be considered in the post-secondary category. To be eligible for admission on the basis of high school, applicants must present five appropriate grade 12 subjects (or their equivalents) with no grade below 50%.

Conditional Admission – High School Applicant

The competitive admission average for conditional admission will be calculated on the top two Group A courses. Equivalent post-secondary courses may be substituted for required high school subjects where appropriate. Post-secondary courses used for admission to a program may also be applied to program graduation requirements, depending on the applicability of the course to the curriculum, the standard of performance achieved and the time limits of the program.

For some programs applicants may be required to participate in additional admission criteria. See Admission Requirements for each program found in the Academic Faculties section of this calendar.

Final Admission – High School Applicant

Final admission will be based on verification of admissibility once all final, official transcripts, including all previous high school and post-secondary coursework, have been received and reviewed and all conditions of the applicant's admission have been met. Unless a specific (higher) admission average is required as indicated in the Admission Requirements for each program found in the Academic Faculties section of this calendar, high school applicants are required to have an overall admission average of 65% for degree programs and 60% for diploma programs on the five appropriate grade 12 subjects and remain in good academic standing if they are currently enrolled in any post-secondary coursework. Official transcripts must include final grades for all subjects required by the program of study as indicated in the General Admission Requirements and the Admission Requirements for each program and be received by **August 1** for admission to the Fall Semester or by **December 1** for admission to the Winter Semester.

2) Post-secondary Applicant

Applicants will be considered as a Post-secondary Applicant if they have completed four post-secondary courses (minimum 12 credit hours) by **December 31** and will have completed eight post-secondary courses (minimum 24 credit hours) by **June 30** for admission to the Fall Semester or will have completed eight post-secondary courses (minimum 24 credit hours) by **August 31** for admission to the Winter Semester. Courses presented for admission must be from a recognized post-secondary institution and must be transferable courses as determined by Mount Royal University.

Conditional Admission – Post-secondary Applicant

The competitive admission average for conditional admission will be calculated based on the four most recently completed courses (minimum 12 credit hours) by **December 31** for the Fall Semester or the eight most recently completed courses (minimum of 24 credit hours) by **August 31** for the Winter Semester. Official transcripts showing all post-secondary courses completed by these dates are required to be considered for conditional admission. Post-secondary courses used for admission to a program may also be applied to program graduation requirements, depending on the applicability of the course to the curriculum, the standard of performance achieved and the time limits of the program.

All final, official high school transcripts are also required by Mount Royal. Reporting of high school grades is required to ensure successful completion of the specific high school course requirements for the applicant's program of study as indicated in the Admission Requirements for each program found in the Academic Faculties section of this calendar. Equivalent post-secondary courses may be substituted for required high school subjects where appropriate.

For some programs applicants may be required to participate in additional admission criteria. See Admission Requirements for each program found in the Academic Faculties section of this calendar.

Note: Students who have been required to withdraw from another Post-secondary institution for academic reasons should refer to (Re)-admission to Mount Royal Following a Requirement to Withdraw, further on in this section of the Calendar.

Final Admission – Post-secondary Applicant

Final admission will be based on verification of admissibility once all final, official transcripts, including all previous high school and post-secondary coursework, have been received and reviewed and all conditions of the applicant's admission have been met. Unless a specific (higher) admission average is required as indicated in the Admission Requirements for each program found in the Academic Faculties section of this calendar, post-secondary applicants are required to have a 2.00 Grade Point Average (GPA) on the eight most recently completed post-secondary courses (minimum 24 credit hours).

Official transcripts must include final grades for all subjects required by the program of study as indicated in the General Admission Requirements and the Admission Requirements for each program and be received by **August 1** for admission to the Fall Semester or by **December 1** for admission to the Winter Semester.

Repeated Courses

When an applicant presents the same course with more than one grade (i.e. the course has been repeated), the higher grade shall be used for evaluating admissibility.

3) Mature Applicant

Applicants will be considered as a Mature Applicant if they do not meet the High School Applicant requirements and have not completed sufficient courses to be considered as a Post-secondary Applicant and are 21 years of age by September 1 for the Fall Semester or January 1 for the Winter Semester to which they are applying. All high school and post-secondary transcripts are required regardless of the level attained. Reporting of high school courses is required to ensure successful completion of the specific high school course requirements for the applicant's program of study as indicated in the Admission Requirements for each program found in the Academic Faculties section of this calendar and to provide grade information required for consideration for conditional admission.

Conditional Admission – Mature Applicant

The competitive admission average for conditional admission will be calculated on the top two Group A courses. Equivalent post-secondary courses may be substituted for required high school subjects where appropriate. Post-secondary courses used for admission to a program may also be applied to program graduation requirements, depending on the applicability of the course to the curriculum, the standard of performance achieved and the time limits of the program.

For some programs, applicants may be required to participate in additional admission criteria. See Admission Requirements for each program found in the Academic Faculties section of this calendar.

Final Admission – Mature Applicant

Final admission will be based on verification of admissibility once all final, official transcripts, including all previous high school and post-secondary coursework, have been received and reviewed and all conditions of the applicant's admission have been met. Mature applicants are required to remain in good standing if they are currently enrolled in any post-secondary coursework.

Official transcripts must include final grades for all subjects required by the program of study as indicated in the General Admission Requirements and the Admission Requirements for each program and be received by **August 1** for admission to the Fall Semester or by **December 1** for admission to the Winter Semester.

ADMISSION TO NON-CREDENTIAL OFFERINGS

Non-credential offerings fall outside of the standard admission categories indicated above.

University Entrance Option

University Entrance Option is intended for students who wish to pursue a baccalaureate degree but do not currently meet the admission requirements and/or competitive admission average for their intended baccalaureate degree. Admission is competitive and applicants are required to meet specific course and grade requirements. Applicants will be considered in the high school or mature student categories only. Applicants who have completed four or more post-secondary courses by **December 31** for the Fall Semester or by **August 31** for the Winter Semester are not eligible to apply for admission.

A student is limited to a maximum of 30 credits (typically ten, three-credit courses) in the University Entrance Option and Open Studies combined. Any awarded grade (including 'F' grades) will count towards the limitation but withdrawals will not. Refer to the University Entrance Option section in this Calendar.

Open Studies

Open Studies is intended to remove many of the significant barriers inherent in a competitive admission process by providing opportunities for a variety of students to pursue academic courses outside of degree, diploma or certificate programs. A student is limited to a maximum of 30 credits (typically ten, three-credit courses) in Open Studies and the University Entrance Option combined. Any awarded grade (including 'F' grades) will count towards the limitation but withdrawals will not. Refer to Open Studies section in this Calendar.

Indigenous Student Admission

Special consideration for designated seats may be available through a program specific Indigenous admission target. To qualify for this category the applicant must:

1. self-identify as an Indigenous applicant on the Application for Admission
2. meet the definition of an Indigenous applicant
3. 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 will be filled by Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission **October 1 – February 1**. Any unfilled designated seats will be released on **June 1** to students applying under the general admission requirements.

Indigenous Applicant Definition

For the purpose of the application and admission process an Indigenous applicant is defined as a Canadian who is a Status Indian/First Nations, Non-Status Indian/First Nations, Métis, or Inuit.

Appropriate Grade 12 Subjects

Applicants must have the required subjects for their intended program of study – as specified within the Admission Requirements for each program found in the Academic Faculties section of this calendar. The additional subjects which may be presented for evaluation of admissibility include the following courses from Group A, B and C:

High School Standing

Degree programs

Specific courses required by the program must be included in the five subjects below.

1. English Language Arts 30-1
2. Group A course
3. Group A course
4. Group A or B course
5. Group A, B or C course

Diploma programs

Specific courses required by the program must be included in the five subjects below.

1. English Language Arts 30-1
2. Group A course
3. Group A, B or C course
4. Group A, B or C course
5. Group A, B or C course

Post-Secondary Standing

Specific courses required by the program must be presented for admission.

Mature Standing

Specific courses required by the program must be presented for admission.

1. English Language Arts 30-1
2. Group A course

Group A Courses:

- English Language Arts 30-1
- Mathematics 30-1 (or Mathematics 30-2 if accepted by the program)
- Mathematics 31
- Biology 30
- Chemistry 30
- Physics 30
- Science 30
- Social Studies 30-1 and/or Aboriginal Studies 30*
- French 30, French 31, French Language Arts 30, Français 30
- All other Languages 30

*Aboriginal Studies can be used in lieu of Social Studies 30 – 1.

Group B** Courses:

- Art 30
- Art 31
- Computer Science 3 or 4 (CTS Advanced)*
- Drama 30
- Music 30
- Physical Education 30
- Religious Studies 35
- Social Studies 30-2

** Courses must be five credits.

Group C Courses:

- Other five credit Grade 12 subjects or a combination of two-three credit grade 12 subjects
- Five credits of Advanced Career and Technology (CTS) courses

Note:

- Special Projects 30 cannot be used for admission.
- Applicants cannot use two courses from the same subject area for the purpose of admission with the exception of Mathematics 30-1 or 30-2 and Mathematics 31 or equivalent.

HIGH SCHOOL MATRICULATION EQUIVALENTS

Mount Royal University academic upgrading courses may be used in place of Alberta Grade 12 (30-level) subjects for the purposes of admission to Mount Royal University and many other post-secondary institutions in Alberta. It is important to check with the institution directly to confirm use of any of these courses within the admission process at other post-secondary institutions in Alberta.

Mount Royal University Upgrading Course	Corresponding Alberta High School Course
Biology 0130	Biology 30
Chemistry 0130	Chemistry 30
Chinese 1107*	Chinese 30
English 0130	English Language Arts 30-1
French 1111*	French 30
Italian 1101	Italian 30
Japanese 1107*	Japanese 30
Mathematics 0130	Mathematics 30-1
Mathematics 0132	Mathematics 30-2
Mathematics 0131	Mathematics 31
Native Studies 0130	Aboriginal Studies 30
Physics 0130	Physics 30
Science 0130	Science 30
Social Science 0130	Social Studies 30-1
Spanish 1101	Spanish 30

* Indicates course has a prerequisite.

NOTIFICATION OF ADMISSION STATUS

A letter mailed to an applicant's address, as shown on the applicant's record in Admissions and Recruitment (Enrolment Services), will be deemed adequate notification to the applicant for all matters concerning Mount Royal. It is the applicant's responsibility to notify Mount Royal of any change in address. Mount Royal will not be responsible for incorrect mailings or for missed deadlines due to an applicant's failure to report a change of address or to have supporting admission documents delivered to Mount Royal by the dates required.

Email will be used to communicate with the applicant throughout the admission process where appropriate. The email address provided as part of the application for admission will be used for this purpose. Significant decisions regarding the outcome of the admission evaluation will be communicated through a letter mailed to the applicant's address as indicated above.

APPLICATION TIMELINES

Fall Semester

Early Admission:

October 1 – February 1

To be considered for Early Admission, the Application for Admission with self-reported courses and/or final, official high school transcripts and final, official post-secondary transcripts must be received at Mount Royal by **February 1**.

Ongoing Admission: February 2 – until the program is declared full

Applicants who submit their Application for Admission with self-reported courses and/or final, official high school transcripts and final, official post-secondary transcripts on or after **February 2** will be considered on an ongoing basis until the program is declared full. Programs will be removed from the online application when they are declared full.

Application Deadlines

For application deadlines for specific programs, refer to the Admission Requirements for each program found in the Academic Faculties section of this calendar. If no deadline is specified, applications will be processed until the program is declared full. Some programs may continue to accept applicants until **August 31**.

For programs with a specific application deadline, all documents as specified under Early Admission and Ongoing Admission above, must be received by the application deadline for that program.

Winter Semester

Please check Programs and Courses section of website or the online Application for Admission at mtroyal.ca to determine which programs are accepting applications for the Winter Semester as the list of programs is limited and may vary from year to year.

Early Admission: October 1 – November 1

To be considered for Early Admission, the Application for Admission and final, official high school transcripts and final, official post-secondary transcripts must be received at Mount Royal by **November 1**.

Ongoing Admission: November 2 – until the program is declared full

Applicants who submit their Application for Admission and/or final, official high school transcripts and final, official post-secondary transcripts on or after **November 2** will be considered on an ongoing basis until the program is declared full. Programs will be removed from the online application when they are declared full.

Application Deadline

Applications will be processed until the program is declared full.

ADMISSION PROCEDURES FOR PROSPECTIVE STUDENTS

1. Apply online by completing the Application for Admission Form: mtroyal.ca

Note: You may apply for admission to two programs of study.

2. A non-refundable \$100 application processing fee is required with your Application for Admission. Credit card (Visa or MasterCard) payment is required at the time of completion of the online application.
3. Complete course and grade information, as requested on the Application for Admission Form. Official transcripts are required for any completed courses.
4. Official transcripts from all high school and post-secondary institution(s) you have attended are required for Mount Royal to make an admission assessment. Some transcripts (within the province of Alberta) will be obtained by Mount Royal on your behalf while you will be required to request others yourself. A list of the transcripts you will be required to obtain will be provided when you apply for admission.

An official transcript is one that is sent directly to the Mount Royal University, Admission office from the issuing body. This may be the Department of Education/Provincial Ministry (e.g. Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Northwest Territories, Nunavut, Saskatchewan and the Yukon), or the high school you attended if from another province or from any post-secondary institution(s).

All documents (including transcripts) submitted for admission purposes become the property of Mount Royal University and will not be released to, nor photocopied for, the applicant or anyone outside of Mount Royal. Documents submitted by applicants who are not accepted or who do not attend are destroyed one year after the start of the semester for which admission was requested.

ADMISSIONS PROCEDURES FOR INTERNATIONAL (STUDY PERMIT) APPLICANTS

The Application for Admission and all supporting documentation (final, official high school and post-secondary transcripts) must be submitted according to the dates indicated in the Application Timelines section to be considered for Early or Ongoing Admission. If the original transcripts are not in English, applicants must also submit a certified English translation from a valid translation service.

There are two categories of international applicants:

1. Those residing and applying from outside Canada. This type of applicant may be considered for admission to the Fall Semester only.
2. Those presently living or studying in Canada at Mount Royal University or another institution. This type of applicant may be considered for admission to the Fall Semester or the Winter Semester (depending on program availability).

For applicants applying from outside of Canada or the United States, although applying and submitting documents during Early Admission (as indicated above) is recommended, the Application for Admission must be submitted by **March 15** for the Fall Semester and all supporting documentation (all final, official high school and post-secondary transcripts as well as verification of the English Language Proficiency requirement, if required) must be received at Mount Royal by **April 15** for admission to the Fall Semester. This is to allow time to process your application and to provide sufficient time to obtain a study permit.

Admitted international students are solely responsible for all arrangements relating to their immigration status and entry into Canada.

ENGLISH LANGUAGE PROFICIENCY REQUIREMENT

The primary language of instruction and communication at Mount Royal is English and it is essential that all students have an adequate knowledge in the areas of reading, writing, listening and speaking in the English language in order for them to be successful in their studies. All applicants must demonstrate English Language Proficiency for the purpose of admission in **one of the following ways** if their primary or first language (meaning the main language learned and used as a child) is not English.

1. Successful completion of the equivalent of two years of full-time study (minimum of three courses per semester excluding English as a Second Language courses) in an English language secondary or post-secondary institution or a combination of the two. Study must have been in an English speaking country* as recognized by Mount Royal and include the successful completion of English Language Arts 30-1 (or equivalent).
2. Successful completion with a grade of B- (80%) or better of the highest level of Academic English – Level 3 Advanced at Mount Royal's Languages Institute.
3. Presentation of the Test of English as a Foreign Language (TOEFL)** with an overall minimum score of 83 on the internet-based test (iBT) and a minimum score of 20 in each of the four testing sections. 1.800.468.6335 or ets.org/toefl
4. Presentation of the International English Language Test (Academic IELTS)** with an overall minimum score of 6.5 (with a minimum score of 5.0 in each band). ielts.ca
5. Presentation of the Canadian Academic English Language Assessment (CAEL)** with an overall minimum score of 70 (with a minimum score of 50 in each band). cael.ca
6. Presentation of the Michigan English Language Assessment Battery (MELAB)** with an overall minimum score of 85 (must include the oral component with a minimum score of 3). cambridgemichigan.org/melab
7. Presentation of the Pearson Test of English Academic (PTE Academic)** with an overall minimum score of 58 (with a minimum score of 55 in each area). pearsonpte.com
8. Presentation of the Cambridge English: Advanced (CAE)** with a minimum overall Grade B. cambridgeenglish.org

Please note that applicants must satisfy two separate and distinct English requirements for admission to Mount Royal, if your first language (learned and understood) is not English:

1. English Language Arts 30 – 1 (or equivalent) if required by the program AND
2. The English Language Proficiency Requirement

Notes:

- * For list of English speaking countries for the purpose of this ELP requirement, visit mtroyal.ca/admission
- ** All test results must be “official” meaning that they must be sent directly from the issuing institution to Mount Royal.

Applicants who do not meet the language requirement can apply to enter the Academic English program offered through the Languages Institute at Mount Royal.

LIMITATIONS ON ENROLMENT

Enrolment in Mount Royal University programs and courses is limited to the number of students who can be accommodated within available resources while maintaining quality of education. As a result, all programs of study at Mount Royal University have a fixed capacity on the number of students that may be admitted. All students who are issued a letter of acceptance will be required to pay a \$425 non-refundable tuition deposit by the specific date indicated in their (conditional) offer of admission into the program. The deposit will apply toward tuition and fees for the semester to which the student is admitted. The balance of fees owing must be paid within the published timelines; see section entitled Fees and Deposits. Failure to pay the Tuition Deposit by the required date will result in cancellation of acceptance and the vacancy created will be offered to another qualified applicant.

Program waitlists will be formed for some programs, if necessary, during the admission cycle. Applicants who are placed on a waitlist may be notified at any point in the admission cycle if a space in the program becomes available. If the applicant does not gain admission by the first day of classes for the semester to which he or she has applied, the waitlist will not be carried forward to the next semester and the applicant must reapply if he or she wishes to be considered in a subsequent semester.

Registration in specific courses is subject to the availability of those courses at the time the student registers. Class capacity is limited in many disciplines; as a result, space in specific courses is assigned on a first come, first served basis. **Delay in registering in a program of studies may reduce the availability of some or all courses.**

ADMISSION DEFERRAL

Applicants offered admission into an undergraduate credit program may request a deferral for up to one year. To be eligible for a deferral, the applicant must accept the offer of admission, pay the Tuition Deposit and meet all conditions outlined to qualify for final admission for the initial offer of admission. The applicant will be required to meet any additional admission requirements that may have been implemented for the new semester of admission.

Applicants requesting a deferral must submit a Request for Admission Deferral Form by **August 15** for the Fall Semester or by **December 15** for the Winter Semester outlining the reasons for the request and include the appropriate supporting documentation such as: a doctor's letter which explicitly states why the physical or psychology condition made it impossible to attend Mount Royal for the specified time period; or proof of intended participation in an exchange or volunteer program which has specific timeline attached.

If the admission deferral is approved, the applicant may not attend any post-secondary institution during the year of the deferred admission.

POLICE INFORMATION AND OTHER BACKGROUND CHECKS

Certain programs include periods of placement or observation experience with community institutions or agencies as part of the course requirements. Many of these institutions or agencies, either for statutory reasons (e.g. Protection for Persons in Care Act) or for policy reasons, require police information or other background checks from employees. It is the responsibility of the student to obtain, at the student's expense, the necessary checks. Further information regarding these requirements will be provided to the affected students at the appropriate time.

In some circumstances, the checks will be provided by the student directly to the institution or agency. In other circumstances, the institution or agency will require Mount Royal to coordinate the submission of the checks for all students in a particular course or program. Where Mount Royal is involved in the process, the information will be retained in a separate file within the department and used only for the purposes of placing students at the applicable institutions or agencies. This process will be done in accordance with the Freedom of Information and Protection of Privacy Act. It is each institution's or agency's decision to accept or reject a student for placement or observation experience based upon the results of a police information or other background check. Since both completion of course requirements and eventual employment in a field of study may be dependent upon the results of such checks, students who have concerns should discuss the matter with the department chair or designate prior to applying for admission.

Police Information checks are normally obtained from the police department having jurisdiction where the student normally resides. For those who normally reside in the City of Calgary, the appropriate agency is the Calgary Police Service (calgary.ca/cps/Pages/Public-services/Police-information-checks.aspx). This link contains information on requesting a PIC online. Not all institutions or agencies accept an ePIC. Check with your program if you are not aware of the specific requirements. Outside Calgary, students should contact their local police agency. At the time of publication, the typical cost of a police information check was between \$25 and \$50.

RE-ADMISSION TO THE INSTITUTION

Students are permitted to interrupt their studies for a maximum of six consecutive semesters (including the Spring and Summer semesters) and return to the same program of study. Students who have interrupted their studies for a longer period of time must apply for admission to a semester which has an intake for their program (normally Fall Semester), complete the application procedures in accordance with the application timelines, pay the non-refundable application processing fee, and be admitted upon each return. To qualify for Mount Royal graduation status, re-admitted students must fulfill the graduation requirements in effect at the time of their re-admission.

RE-ADMISSION FOLLOWING AN INTERRUPTION OF PROGRAM OF STUDIES

Students who have interrupted their program for longer than the allowable period and wish to return to the same program will be required to reapply for admission and meet the current admission requirements in place for that program but will not be required to meet the competitive admission average if:

- a. they apply during early admission
- b. there is space available in the program to which they are seeking re-admission
- c. they have not taken courses outside of their program at Mount Royal University or attended another post-secondary institution in the interim.

The student's application will be processed in the same time frame using the standard admission processes. A student re-admitted to the program is governed by the program requirements in effect at the time of the most recent admission.

(RE-) ADMISSION TO MOUNT ROYAL FOLLOWING ACADEMIC DISQUALIFICATION OR A REQUIREMENT TO WITHDRAW

A student who has been Required to Withdraw from Mount Royal, or any other post-secondary institution, will not be admitted to Mount Royal until at least a 12 month period has elapsed since the student was required to withdraw.

Applicants who have been Required to Withdraw from Mount Royal, or another post-secondary institution, for academic reasons may be considered for admission to their intended program of study, either on the basis of high school standing or mature standing, after a 12 month period has elapsed unless they have completed four or more additional post-secondary courses by December 31 for the following Fall Semester or by August 31 for the Following Winter Semester.

A student may register in non-credit academic upgrading courses, during the 12 month waiting period. Students who have been Required to Withdraw must apply for re-admission in accordance with re-admission procedures.

(RE-) ADMISSION TO MOUNT ROYAL FOLLOWING ACADEMIC DISQUALIFICATION OR A REQUIREMENT TO WITHDRAW FROM A SPECIFIC PROGRAM

A student who has been Required to Withdraw from a specific program at Mount Royal University, will not be re-admitted to that same program until at least a 12 month period has elapsed since the student was required to withdraw. A student will only be considered for re-admission to the same program where program requirements allow it.

A student who has been Required to Withdraw from a specific program at Mount Royal University or another post-secondary institution may apply and be considered for another program at MRU without serving the 12 month waiting period. A student applying for admission under these circumstances will be considered for admission under the same admission categories as all other applicants.

ADMISSION APPEALS

Students who have not been offered admission can request that the Chair and/or Dean consider an Exceptional Admission. There is no appeal of the Chair and/or Dean's decision.

ADVANCED PLACEMENT (AP)

Applicants who successfully complete Advanced Placement (AP) courses may use applicable AP courses for the purpose of admission and/or transfer credit. Admission and/or transfer credit will be awarded on the basis of current articulation agreements with Alberta universities as cited in the AP section of the Alberta Transfer Guide. Applicants, who complete both Advanced Placement courses and senior matriculation/secondary school courses, will be assessed on the grades that are most advantageous for the student. Official transcripts must be ordered through the Advanced Placement program at collegeboard.com

INTERNATIONAL BACCALAUREATE (IB)

Applicants who successfully complete International Baccalaureate (IB) courses may use applicable IB courses for the purpose of admission and/or transfer credit. Admission and/or transfer credit will be awarded on the basis of current articulation agreements with Alberta universities as cited in the IB section of the Alberta Transfer Guide.

Applicants, who complete both IB courses and senior matriculation/secondary school courses, will be assessed on the grades that are most advantageous for the student. Official transcripts must be ordered through International Baccalaureate Organization. Information on how to request official transcripts can be found at ibo.org

HOME SCHOOL

Home schooled applicants who present recognized secondary credentials will be considered for admission to Mount Royal.

TRANSFER CREDIT AND PLAR

TRANSFER EQUIVALENCY

Upon receipt of an application for admission and an official transcript, from each current or previously attended post-secondary institution, transfer course equivalencies are assessed.

To be considered for transfer equivalency, each course must have been completed at a recognized accredited post-secondary institution with a minimum passing grade.

Regardless when a course was completed, normally it may be considered for a transfer equivalency. However, limitations do exist for time-sensitive courses, e.g. Computer Science, Midwifery, Nursing, and Science. Refer to Transfer Credit Assessment within individual program requirements.

Unspecified Equivalency

Transfer equivalencies are either direct equivalents to specific Mount Royal courses or unspecified courses at the appropriate post-secondary level. Courses granted unspecified equivalents are indicated as XXXX, 1XXX, 2XXX, 3XXX. An unspecified transfer equivalency may satisfy an elective but not a specific course requirement.

Courses completed in academic disciplines at the university level which are not offered by MRU are considered as an unspecified transfer equivalency. If the transfer equivalency assigned by MRU is unspecified and you think it might transfer as a direct equivalent, you need to provide the detailed course outline for assessment.

Detailed course outlines will only be evaluated for applicants who have received a (conditional) offer of admission.

A **detailed course outline** includes: course outline, weekly structure, textbook(s), reading requirements, learning outcomes and instructor qualifications. Web or calendar descriptions are not accepted due to minimal content.

Email the detailed courses outlines to transfercredit@mtroyal.ca. Include your Mount Royal Student ID number plus indicate the direct equivalent you are requesting.

Timelines for Transfer Equivalency Assessment

Semester	Deadline to submit detailed course outline(s) to transfercredit@mtroyal.ca	Departmental decision finalized by
Fall	April 15	June 15
Winter	October 15	December 15
Spring	February 15	April 15

Failure to submit the detailed course outline by the deadline, may affect whether a course prerequisite has been met. Lack of the course prerequisite would limit your choice of courses when registering and/or result in your removal from a class list. (Refer to *Course Prerequisite Requirements under Registration Information section*).

Transfer Credit

Transfer Equivalencies become Transfer Credit when the course satisfies a graduation requirement. If a higher grade is required to satisfy either prerequisites (refer to Course Description section) or a program continuance (refer to individual program requirements), a transfer course with a minimum passing grade would not satisfy a direct equivalent.

A maximum of 50% of the program in which a student is officially admitted may be completed as Transfer Credit. (Refer to Residency under the General Graduation Requirements section).

Assessed Transfer Credit is viewable in a student's MyMRU account and mruGRADU8 program audit.

LETTER OF PERMISSION

Students who are registered in degree, diploma, or certificate programs at Mount Royal University may be granted permission to take a limited number of courses at other recognized or accredited post-secondary institutions.

A Letter of Permission (LOP):

- when approved, provides a guarantee that a course successfully completed at another institution will fulfil a current program requirement for graduation purposes.
- must be obtained prior to registering for the course(s) at another post-secondary institution.

It is the student's responsibility to review another post-secondary institution's information on admission, registration, course description and tuition costs, prior to requesting an LOP. Students may request a LOP by accessing MyMRU on the Mount Royal University website (mtroyal.ca).

Semester	Deadline to submit Letter of Permission requests	Departmental decision finalized by
Fall	July 15	July 31
Winter	November 15	November 30
Spring	April 15	April 30

A LOP does not:

- ensure admission to another post-secondary institution
- ensure prerequisites, required by another post-secondary institution, have been previously completed.

LOP limitations:

- the number of courses that may be completed elsewhere is limited by the number of transfer credits permitted toward a current program. (See policy on Residence Requirements in the section entitled General Graduation Requirements).

Upon completion of a course, it is the student's responsibility to request an official transcript indicating the final results be sent by the issuing institution to:

Admissions and Recruitment
Mount Royal University
4825 Mount Royal Gate SW
Calgary, Alberta
T3E 6K6

Note: A student is not eligible to request an LOP if (i) s/he has interrupted their program for longer than the allowable absence period; (ii) s/he has not been admitted into a degree, diploma or certificate program; (iii) s/he has already completed the requirements of his/her program whether or not s/he has applied to graduate; (iv) s/he has been Required to Withdraw from Mount Royal; or (v) s/he has exceeded the time limitation for completion of his/her program.

PRIOR LEARNING ASSESSMENT AND RECOGNITION (PLAR)

Policy

Many students enter Mount Royal with work, academic and life experiences that may reflect sound knowledge of subject matter covered in courses offered for credit by the University. Prior learning assessment is a method of recognizing and accrediting the demonstrated knowledge that has resulted from those experiences.

Mount Royal fully supports the following academic principles with respect to prior learning assessment and recognition which have been developed and endorsed by the Alberta Council on Admissions and Transfer.

1. Recognition of prior learning should be based on demonstrated learning.
2. Recognition of prior learning should be appropriate to the course or program in which it is accepted.
3. Recognition of prior learning should be consistent with the achievement levels required by the post-secondary program in which it is accepted.
4. Recognition of prior learning should be for learning that has a balance, appropriate to the subject, between theory and practical application.
5. Assessment of prior learning by post-secondary institutions should be made by content specialists, with external advice as necessary.

At Mount Royal, demonstrated prior learning resulting from work, life and academic experiences may be assessed by any one of the following evaluation methods or some combination of them:

1. Formal examinations (including challenge examinations and standardized external examinations);
2. Course equivalencies involving evaluation of non-collegiate and/or non-credit programs, courses, certificates and designations; and
3. Documentation and demonstration of achievement through portfolio assessment and portfolio-assisted assessment (including product assessment [work samples], simulation/performance assessment, interviews and oral examinations, and practical and laboratory demonstrations).

The most appropriate evaluation method in any particular case is to be determined by the department Chair, acting on the advice of the content specialists for the subject and/or discipline area for which recognition or credit is requested. The relevant department Chair shall also have the responsibility to evaluate each student's application for prior learning assessment and determine which courses and/or subject areas or disciplines may be reviewed for possible recognition or accreditation, subject to the general academic regulations specified below. Each department shall also compile and maintain a list of courses for its area which shall not be considered for credit or recognition through the prior learning assessment methods indicated above.

Application for recognition of prior learning must be made through the Office of the Registrar.

Procedures

1. In order to obtain recognition of prior learning by the University, the individual requesting the assessment of prior learning must be a registered student at the start of the semester and when the assessment is conducted. New and continuing students who wish to avail themselves of this service are strongly advised to explore and, as appropriate, to initiate the prior learning assessment and recognition process outlined here as early as possible after their acceptance into a program of studies offered by the University. Requests must be received by the end of the first week of classes in any semester. The final assessment of prior learning must be completed by the end of the fourth week of classes in any semester.
2. Students may obtain the Application for Prior Learning Assessment and Recognition (PLAR) Form from the Office of the Registrar. The student must discuss this request with the Coordinator, Transfer Articulation who will determine if the request meets policy requirements. If approved the student will complete the form and take it to the appropriate discipline Chair.
3. The Chair will evaluate the student's request for assessment and recognition of prior learning and determine if credit for a specific course or courses may be obtained in this manner. Upon completion of the initial evaluation, the decision of the Chair will be recorded on the Application for Prior Learning Assessment and Recognition (PLAR) Form.
4. The student shall return the form to the Office of the Registrar. The student will be notified when he or she has been registered in the PLAR and fees have been assessed.
5. The assessment of prior learning will be conducted by the department, which will determine whether the student clearly shows above average knowledge of the subject matter. The grading shall be either "CR" (credit awarded) or "NC" (credit not awarded). Under no circumstances will a letter grade be assigned. Courses for which credit is received in this manner will contribute to the student's total credits.
6. Students may confirm online the specific credits they have been awarded through the prior learning assessment process by accessing Student Web Services on the Mount Royal University website (**mtroyal.ca**). The Office of the Registrar shall make the appropriate notation on the student's permanent academic record.
7. A student may request a review of a particular assessment through the normal grade appeal process.

Limitations

1. The purpose of prior learning assessment is to allow students to complete their studies at Mount Royal successfully. Prior learning assessment is not intended to be used to aid students in transferring to another institution. Any university transferable courses offered at Mount Royal that are at the 1000 level or higher will not be granted credit by prior learning assessment.
2. Students may not apply for credit by prior learning assessment in any course in which they are currently or have previously been registered at any institution. However, courses taken over six years ago may be recognized for credit through prior learning assessment.
3. In cases where prerequisites exist, students may request assessment and recognition of prior learning only for those courses for which they have the stated prerequisites.
4. No student may receive credit by prior learning assessment in more than two courses within a given subject or discipline area, nor in more than a total of three courses at the University if registered in a diploma or certificate program or in more than a total of six courses if registered in a baccalaureate degree program.
5. This policy, procedures, and limitations are intended to govern the award of academic credit through the assessment and recognition of demonstrated learning resulting from prior life, work, educational and other extracurricular experiences. The assessment and recognition of work experience credit based on prior work experience for purposes of satisfying the graduation requirements of the University's baccalaureate degree programs are covered under separate policy and procedures that apply specifically and exclusively to those baccalaureate degree programs.
6. Students should be aware that academic credit awarded through prior learning assessment at Mount Royal is guaranteed only toward the University's graduation requirements. Other institutions may or may not allow transfer credit towards degrees, diplomas or certificates for courses recognized or accredited through the University's prior learning assessment process.

ADVANCED PLACEMENT (AP)

Upon admission to a certificate, diploma or degree, students who successfully complete Advanced Placement courses may be considered for transfer credit for approved courses. An official AP transcript must be sent directly from the Advanced Placement program to Admissions, Mount Royal University.

INTERNATIONAL BACCALAUREATE (IB)

Upon admission to a certificate, diploma or degree, students who successfully complete International Baccalaureate (IB) courses may be considered for transfer credit for approved courses. An official IB transcript must be sent directly from the IBNA office to Admissions, Mount Royal University.

REGISTRATION INFORMATION

GENERAL INFORMATION

Registration is the process of formally recording the enrolment of a student in a course or courses. Students eligible to register in credit courses at Mount Royal are those who have been accepted into a baccalaureate degree, diploma or certificate program as well as students accepted into Open Studies or University Entrance Option. All students have the right to adjust their registration in courses without restriction provided the transaction occurs within institutional deadlines. Students must register in all components of a course to be considered officially registered.

Registration in specific courses is subject to the availability of those courses at the time the student registers. Students are not permitted to attend any classes in which they are not registered. The Office of the Registrar may adjust or cancel any course registration(s) that are in violation of Mount Royal's policy including but not limited to those for which the stated prerequisites are not satisfied and/or for non-payment of fees/tuition.

Student Responsibility

Students are expected to adhere to all critical dates and deadlines as outlined in the Academic Schedule. It is the student's responsibility to ensure that courses selected are appropriate and meet program/graduation requirements. Academic advisors are available to assist students in the selection of their courses.

HOW TO REGISTER

Students may register online by visiting MyMRU at mymru.ca. Students requiring assistance may consult the Mount Royal University website (mtroyal.ca) for detailed instructions or may contact the Registrar's Office. Registration Help Line at 403.440.3303 or toll free at 1.877.676.0686.

New Students

New students who have accepted an offer of final or conditional admission, and who have paid the tuition deposit, may begin course registration on or after the first day of registration for new students as outlined in the Academic Schedule. Academic advisors are available and may be consulted by students when planning a program prior to registering in courses.

Students in some undergraduate programs must consult with an Academic advisor before they will be permitted to register in courses. Students who are not admitted to a defined program of study may consider Open Studies, University Entrance Option or Unclassified as alternatives.

Continuing Students

Registration access dates are available on MyMRU prior to the commencement of registration for each semester. Continuing students may register on or after their specified registration access date. Students in some undergraduate programs must consult with an academic advisor before they will be permitted to register in courses.

Interruption of Study

Students are permitted to interrupt their studies for a maximum of six consecutive semesters (including the Spring and Summer semester) and return to the same program of study. Students can return to the same program by contacting the Registrar's Office. Visit mtroyal.ca/AcademicSupport/StudentRegistrationRecords/CreditRegistration/ready.htm to see if you are eligible to return. Students who have interrupted their studies for longer periods, or are changing programs, are required to re-apply for admission.

Course Prerequisite Requirements

Prerequisites for each course can be found on the University's website (mtroyal.ca). Students are required to meet pre- and co-requisite requirements as stated in the Academic Calendar at the time of registration and for the semester the course is offered. **It is the responsibility of the student to de-register themselves from any course(s) for which they do not satisfy the prerequisite.** Students who do not meet these requirements within the administrative timelines set by the Office of the Registrar will be de-registered from the course.

If a prerequisite has been completed in high school and/or at a previous post-secondary institution(s), it is the student's responsibility to submit an official transcript(s) which must be received in accordance with the deadlines outlined in the Academic Schedule. A student who presents a Letter of Permission from another institution is deemed to have satisfied all prerequisite requirements.

Course Waitlists

If a class is full and there are no alternative sections available, students can place themselves on a waitlist for a class. Students will be registered in courses in the order in which they waitlisted if space becomes available. There is no guarantee that a student will receive a seat in the desired course regardless of their position on the waitlist. Students may only waitlist for one section per course. It is the responsibility of each student to check MyMRU to confirm whether he or she has been registered in a class for which he or she was initially waitlisted. Three weeks prior to the start of each semester the option to waitlist will no longer be available and all pre-established waitlists will be terminated. After waitlists are terminated, and up to the end of the registration adjustment (Add/Drop) period, students can only register in courses with available seats. It is the responsibility of each student to begin attending those classes for which he or she is shown as registered.

Students who are added to a class from a waitlist, but who subsequently decide that they do not wish to attend that particular course must drop it from their timetable by making a registration adjustment within the deadline dates specified in the Academic Schedule. Students who do not officially cancel or drop a course to which they have been added from a waitlist will be considered as registered in that course and will be charged full fees for that course whether they subsequently attend classes or not.

Confirmation of Registration

During and after each registration session, students may confirm their course registration status by visiting MyMRU. It is the responsibility of the student to notify the Office of the Registrar of any discrepancy in their course registration status and to arrange for correction where appropriate. If a student stops attending a course for which he or she is officially registered and does not take proper cancellation or withdrawal action, she or he will be awarded a grade appropriate to their performance in the course. The University does not automatically cancel or withdraw those students who cease to attend classes and fail to follow appropriate cancellation or withdrawal procedures.

Audit Students

Auditors are students who have been granted permission in writing by a professor to attend lectures in a course on the understanding that they may not participate in assignments or examinations. Such permission will be contingent upon seats in the course being available. Auditors must present a signed registration form to the Office of the Registrar. Final permission to audit a course cannot be given until the day after the registration adjustment (Add/Drop) period, when the space available in a course is known. Requests for permission to audit must be received by the end of the fourth week of classes in any semester. See the Fees and Deposits section for auditing fees.

A student is not permitted to change the status of a course after the Drop/Add deadline. That is, it is not permitted to change an audited course to a course taken for credit or vice versa. Audit courses will be reflected on the student's permanent record with the symbol "AU". The student may, in succeeding semesters, take any course for credit, which has previously been audited.

Unclassified Students

An unclassified student is one who elects to take a single course and has not been admitted to a degree, diploma, or certificate program; Open Studies; or University Entrance Option. A student who has accepted an offer to or is a current/continuing student in a degree, diploma or certificate program, Open Studies or University Entrance Option is not eligible to register as an unclassified student.

An unclassified student will be able to register in a class that has an available seat and does not have a registration restriction. Unclassified students do not pay an application fee. Unclassified 'status' is only valid for one term. Unclassified students are not eligible for scholarships, bursaries, or awards through MRU or any part-time government funding. Unclassified students do not have access to MRU advising services.

Students wishing to register for a course as an unclassified student should fill out an application form and present it, in person, at the Office of the Registrar between the first day of the month that classes begin in a given semester and the last day of the Add/Drop period.

Maximum Student Course Load

Students may carry up to five courses (normally between 14- and 19-credits) per semester depending on the program of study. Students who seek permission for course overload should review their academic record with their program chair or academic advisor prior to registration.

CHANGE OF REGISTRATION

Course Cancellation by the University

The appearance of a course in the schedule of classes does not guarantee that it will be offered. If Mount Royal cancels a course, all students in that course will be de-registered and appropriate refunds applied.

Adding/Dropping a Course

The courses for which a student is registered after the Add/Drop deadline constitute that student's official registration and semester load. Students can add or drop courses up until midnight on the day of the Add/Drop deadline specified in the Academic Schedule. Students who drop a course will receive a tuition refund minus applicable fees. There is no notation on the transcript for a dropped course.

Note: Students who add a course up to midnight on the day of the Add/Drop deadline are responsible for ensuring the difference in fees has been paid before the fee payment deadline.

Course Withdrawals

After the Add/Drop deadline and up until the Withdrawal deadline, a student can withdraw from any course online by visiting MyMRU or by submitting a Withdrawal form to the Office of the Registrar. Any consideration for withdrawals after the withdrawal deadline must be supported by documentation from a physician or certified mental health professional. No tuition refunds will be granted for withdrawals. Students are advised that if withdrawal results in a semester course load of less than nine credits, they make themselves ineligible for financial assistance.

Unless students officially withdraw, they remain registered in all courses and, at the end of the semester, are assigned the grades they have earned in each course. Students experiencing emotional distress are encouraged to contact Student Counselling before withdrawing from courses.

Withdrawal With Cause

Students who wish to withdraw from courses for medical reasons may apply to do so at any point during the semester up to the last day of classes. Supporting documentation from a physician or certified mental health professional must accompany the Withdrawal form in order for the request to be reviewed. Students will be informed of the outcome of the review by email, and those who are granted a Withdrawal with Cause will see a "WC" symbol on their transcript. Students are not eligible for a Withdrawal With Cause if:

- The student has entered into an "I" (Incomplete) contract; or
- Scheduled classes for the semester have ended.

FEES AND DEPOSITS

It is mandatory that all students pay applicable tuition, deposits, and fees each semester. The Board of Governors reserves the right to change fees and deposits when necessary and without notice. Any unpaid fees owing on the fee deadline dates included below will result in the cancellation of registration in all classes for the semester and a reinstatement fee will apply. For additional information, visit mtroyal.ca or in-person at the Office of the Registrar (A101) unless specified below.

IMPORTANT DATES

FALL 2018
August 15, 2018 – Full fees due (registered students only) ¹
September 14, 2018 – Last day to adjust registration (Add/Drop) with full tuition refund (less tuition deposit/cancellation fee) ²
Students canceling their registration in full after August 15, 2018, and on or before September 14, 2018, will receive a full tuition credit less \$125 non-refundable cancellation fee on their student account. No tuition credit of fees will be given after September 14, 2018.
September 14, 2018 – Full fees due ³
September 28, 2018 – Last day to be re-instated ⁴
WINTER 2019
January 14, 2019 – Last day to adjust registration (Add/Drop) with full tuition refund (less tuition deposit) ²
January 14, 2019 – Full fees due ³
January 31, 2019 – Last day to be re-instated ⁴
SPRING 2019
May 9, 2019 – Last day to adjust registration (Add/Drop) with full tuition refund (less tuition deposit) ²
May 9, 2019 – Full fees due ³
May 21, 2019 – Last day to be re-instated ⁴
SUMMER 2019
July 5, 2019 – Last day to adjust registration (Add/Drop) with full tuition refund (less tuition deposit) ²
July 5, 2019 – Full fees due ³
July 16, 2019 – Last day to be re-instated ⁴

¹ Applies to students who have registered in courses on or prior to this date. Non-payment or partial payment of fees results in de-registration from all classes.

² Students may no longer change their registration and are financially responsible for all classes on record at this time. No tuition credit of fees will be given after the Full Fee Deadline.

³ Applies to all students. Non-payment or partial payment of fees results in de-registration from all classes.

⁴ Students must reinstate into all courses that were on the registration record as of the Add/Drop deadline and all fees must be paid in full at the time of reinstatement. No exceptions will be permitted.

HOW TO PAY TUITION AND MANDATORY FEES

Internet Banking

Pay your tuition online at any time through most major banks or credit unions. Add Mount Royal University as a payee through your online banking. Your student ID number is the account number required to make payment.

Credit Card Payments – Online

- Payable through **Plastiq.com**

In person

- Cash
- Debit card (ensure your transaction and/or daily limits exceed the amount owing)
- Money order
- International wire transfer

By Mail

- Money order

Not accepted

- Personal cheques
- Postdated cheques of any kind
- International money orders
- Credit cards cannot be used in person

For more information please visit mtroyal.ca/moneymatters

Fee Payment Procedures all Semesters

Any unpaid fees owing on any Fee Deadline results in cancellation of registration in all classes for the Semester. After the initial Fee Deadline is missed (applicable to fall semester only), students may re-register and are automatically assessed a \$150 re-registration fee. After the Full Fee Deadline for any semester is missed, students may only re-register at the Office of the Registrar and are automatically assessed a \$150 re-registration fee.

All newly admitted students pay a \$425 non-refundable tuition deposit. The Tuition Deposit for new students confirms their acceptance of an offer of admission into a program. Although the deposit is non-refundable, it will be credited toward regular tuition fees.

MANDATORY FEES (M = mandatory for all students MFT = mandatory for all full-time students)

FEE TYPE AND AMOUNT	TYPE	DESCRIPTION
Application \$100, non-refundable	M	Must accompany every admission or re-admission application in order to be processed. This amount is not credited toward tuition fees.
General See online fee table	M	Covers instructional equipment and lab fees, recreation and athletics fees and accident insurance fee.
Tuition – deposit \$425, non-refundable	M	Applicable to all newly admitted students. This deposit confirms acceptance of an offer of admission into a program. Upon registration this amount is credited toward tuition fees.
Student services fee See online fee table	M	The fee directly supports the following services: Career Services, Student Learning Services, Accessibility Services, Health Services & Education, Student Counselling Services and Academic Advising.
Students' Association See online fee table	M	Capital campaign: funds necessary to develop Wyckham House Student Centre to better accommodate student needs (including renovations and new program offerings).
	M	General: funds necessary to provide services and representation to students and to operate Wyckham House Student Centre. For a complete list of programs and services, visit samru.ca
	MFT	Health and dental: applicable to students taking nine credits or more in each semester of registration. Charged in both the Fall and Winter semesters. Insurance coverage extends from Sept. 1 to Aug. 31 of each year. For more information on how to opt out of your health and dental benefits, visit Z001 in Wyckham House.
	M	Scholarship: provides scholarships and bursaries to Mount Royal students. All Students' Association fees are collected by Mount Royal University on behalf of the Students' Association (SAMRU). Any inquiries should be directed to SAMRU in Wyckham House Student Centre.
U-Pass See online fee table	MFT	Reflector Fee: The Reflector fee is collected by the Students' Association through an agreement with the Reflector – the autonomous student newspaper on campus. Provides unlimited use of Calgary Transit buses and LRT. For more info visit the Parking office (Room EA1016). mtroyal.ca/AboutMountRoyal/TransportationParking/U-PassFAQs

ACADEMIC FEES

FEE TYPE AND AMOUNT	DESCRIPTION
Audit student 50% of normal course fee	See Registration Information.
Degree program non-credit work experience and Co-operative Education Subject to change	Fees charged to students for non-credit work experience, Co-operative Education, professional development courses and program specific fees may differ from the fees for full courses. For further details see online fee table.
International/Non-resident student See fee schedule	International Students defined as students who do not have Canadian Citizenship Status or Permanent Resident Status in Canada are required to pay fees based on the International Student Fee Schedule.
Prior Learning Assessment and Recognition (PLAR) 50% of course fee being assessed	Applicable to students requesting assessment and recognition of prior learning. See Transfer Credit and Evaluation of Prior Learning.
Cancellation Fee \$125, withheld from full refund	Applicable to students who cancel their registration, in full, during the time period between the first fee deadline and the Add/Drop deadline of the fall semester. No refunds or credits of tuition and/or fees will be given after the Add/Drop deadline for any semester
Re-registration \$150, non-refundable	Applicable to students whose registration is cancelled due to non-payment of tuition and/or other fees. Reinstatement is subject to course availability.
Special programs applicable for fall/winter only	<p>Aviation: Flight training fees are assigned to the flight training courses over the two-year program. Flight training fees are subject to change depending on operating costs for aircraft and related services and are due immediately upon registration. Contact the program directly for more information.</p> <p>Bachelor of Interior Design has a unique tuition and fee structure due to cost of delivery. This includes a program fee assessed by term based on the student's full-time or part-time status. As well, the tuition for this program is assessed at an additional \$50 per course.</p> <p>Bachelor of Communications, Broadcast Media Studies has a unique tuition and fee structure due to cost of delivery. This includes a program fee assessed by term based on the student's full-time or part-time status. As well, the tuition for this program is assessed at an additional \$50 per course.</p> <p>Bachelor of Science, Chemistry has a unique tuition and fee structure due to cost of delivery. This includes a program fee assessed by term based on the student's full-time or part-time status.</p>

ADMINISTRATIVE FEES

FEE TYPE AND AMOUNT	DESCRIPTION
Insurance Levied each semester	Accident expense reimbursement, dental accident reimbursement, permanent total disability benefit and other benefits (subject to change). For further information, contact Risk Services at 403.440.6310.
Campus card (replacement) \$10	Charged to replace a lost or damaged Campus Card. In the case of a stolen card, fee will be waived if a copy of a Calgary Police Service report is provided. For more info visit the Campus Card office (Room E251).
Convocation \$50	Applicable to students attending convocation (covers cost of regalia and parchment).
Duplicate document \$10 per copy requested	Charged to replace T2202A forms. Tax forms from 2003 onwards are available free of charge through mymru.ca .
Enrolment verification \$50 per request	Applicable to registered international students who require formal verification of enrolment status.
Locker rentals Current rates available online	Full, half and box sizes available. For rental agreements and current pricing, visit the Parking Office (Room EA1016) or online at mtroyal.ca/AboutMountRoyal/TransportationParking/Lockers .
Parchment replacement \$50	Charged per parchment replacement request. Phone 403.440.3435 or visit the Office of the Registrar (Room A101).
Parking Rates available online	Valid parking permits are required for parking on campus. For availability, terms and pricing, visit the Parking Office (Room EA1016) or online at mtroyal.ca/AboutMountRoyal/TransportationParking
Transcript request \$10, per official copy \$2, per unofficial copy	Official transcripts are normally issued to educational institutions, potential employers and students upon request. Unofficial transcripts are issued to students on demand. For more information visit mymru.ca , the Office at the Registrar (A101) or email studentrecords@mtroyal.ca

Information on all financial assistance programs described below is available from Student Awards and Financial Aid, Enrolment Services (Room E102).

For student's applying for student loans through Alberta, applications must be received 30 days prior to the student's study period end date; however, students are advised to apply well before the beginning of the academic session for which assistance is required.

ADDITIONAL INFORMATION

Deferrals for government student loans

In order to have a deferral prior to the fee payment deadline students must confirm with Student Awards and 4 office (Room E102) that they will be receiving government funding. Once a loan is signed by the University, payment of fees for any courses that are then added (e.g. waitlist or program adjustment) are the student's responsibility. If any changes remain outstanding on the fee payment deadlines, the student will be deregistered from all classes. mtroyal.ca/Admission/MoneyMatters

Third party sponsorship

Mount Royal will issue an invoice on behalf of a student who is sponsored by an outside organization (e.g., Workers Compensation Board or an Indigenous Band) as a service to students and sponsoring agencies. To be eligible for third party billing, sponsoring agencies must complete and submit a sponsorship form prior to all applicable fee payment deadline dates. Acceptance of third party billing is at the discretion of Mount Royal University. All sponsorship documents must be received prior to all applicable fee payment deadline dates. Any fees that remain outstanding on a student account must be paid prior to all fee payment deadlines or the student will be de-registered from all courses.

studentspons@mtroyal.ca

Administration fee for tuition charge backs

A student who cancels or charges back a payment that results in tuition owing will have a financial hold placed on his/her account for one year. Future payments must be made by cash, certified cheque, money order or through Internet banking. For credit card charge-backs and returned bank payments, a per-item fee of \$35 will be assessed.

Domestic Students

Students who are assessed domestic fees may be required to provide valid proof of Canadian citizenship upon request.

Fee Refunds

Credits due to tuition/fee adjustments are only issued to students who follow formal cancellation procedures before the deadlines shown in the Academic Schedule. No tuition/fee adjustment credits will be issued after the end of the Add/Drop period for each semester.

The University retains a cancellation fee (see Fees and Deposits table). Refunds can take five to seven weeks to process. Mount Royal University will refund to original payment method used when possible. It is the student's responsibility to ensure that their address is current as refunds cannot be processed if address on file is inactive.

Eligible students with credit balances due to overpayments, scholarships, government loans or grants, are refunded after the final fee deadline each term.

Mount Royal University now uses Direct Deposit, EFT – Electronic Funds Transfer process, for non-Plastiq student refunds. Direct Deposit is fast and convenient – payments are deposited directly to your bank account. Log in to MyMRU and select Register & Pay > Direct Deposit > Add/update Direct Deposit information.

Banking information provided will be used by MRU's Accounts Payable group for the sole purpose of processing payments to students. It is the student's responsibility for ensuring bank account information is current and accurate. If banking information is entered incorrectly, Mount Royal University may be unable to reverse the financial transaction.

International/Non-Resident Students

International students whose immigration status changes will be required to provide proof of permanent status before a change in fee assessment is made. Appropriate documentation must be received prior to all applicable fee payment deadlines.

ACADEMIC REGULATIONS

Academic regulations will be found throughout this calendar and may not necessarily be contained only in this section.

ACADEMIC SEMESTERS

Mount Royal University operates on a 13-week semester system. The Fall Semester begins in September and ends in December. The Winter Semester begins in January and ends in April. Full-time students normally enrol for the Fall and Winter Semesters.

The University also offers a selection of compressed, 6.5-week courses in the Spring and Summer semesters. The Spring semester begins in May and ends in June. The Summer semester begins in July and ends in August. Credits earned are applied to a student's program in the same manner as credits acquired in other semesters.

CREDIT WEIGHT

Credit weight reflects student workload rather than classroom contact hours. Normally, students are expected to devote nine to twelve hours of academic time and effort per week for a three-credit course. Academic time and effort includes class time (lectures, labs, tutorials, etc.) as well as any experiential or blended components. In addition, all independent study (assignments, readings, preparation, study, etc.) is included.

Courses are normally valued as three credits or multiples of three credits.

ATTENDANCE POLICY

Students are allowed to attend a course once they are officially registered and have paid the appropriate fees. It is the responsibility of the student to attend all classes. Professors have the authority to specify attendance requirements but these must be stated in the course outline. When circumstances prevent students from attending the first class, they are advised to contact their instructor.

GRADUATION

Changes in regulations governing programs may be made from time to time. Students who have not interrupted their program will be given the option of graduating in accordance with the old regulations or completing their program under the new regulations governing their current registration. Such students must make their choice known to their academic advisor and the Office of the Registrar at the time of their application for graduation.

Where a required course for graduation is no longer offered, the department Chair may specify an alternative. In cases where it is not possible for students to complete their program under the old regulations, they will be phased into the new program without disadvantage. Students who interrupt their studies for more than six consecutive semesters (including Spring and Summer semesters) will be required to comply with the new graduation requirements published in the calendar in effect at the time they are readmitted to the University.

EXAMINATION POLICY

All final examinations must be scheduled by the Office of the Registrar except those which are take-home examinations, oral examinations or term projects. In courses where an alternative means of final assessment other than a final examination is more appropriate, the department Chair shall recommend to the dean or director the alternative type of assessment, indicating its rationale. The decision of the dean or director shall be final.

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

Other regulations related to the conduct of examinations appear on the cover of the examination booklet.

LIMITATION ON EXAMINATION WEIGHTING

In the calculation of the final grade average, the following limitations apply:

- The final examination shall comprise not less than 20% or more than 50% of the final grade.
- Evaluation accounting for not less than 25% of the total final grade must be completed and the results communicated back to the student at least five working days before the Withdrawal deadline for each semester.
- Any tests carried out during the last two weeks of lectures may not account, in total, for more than 10% of the final grade, except in the case of laboratory or oral testing, take-home examinations or term projects.
- "Take-home" examinations cannot count for more than 25% of the final grade for a course.

POSTING THE FINAL EXAMINATION TIMETABLE

The Final Examination Timetable will be made available on the University's website by the Office of the Registrar approximately six weeks but no later than five weeks before the last day of classes in the Fall and Winter semesters.

The Spring exam schedule will be posted on the last Wednesday of May. The Summer exam schedule will be posted on the third Wednesday of July. See the *Academic Schedule* for complete dates.

DETERMINATION OF A FINAL GRADE

Within the first two weeks of class, professors will provide students with a written statement (either in hardcopy or online) of the method of grading and the weights assigned to the various components that are to be considered in determining the final grade (term papers, laboratory work, class participation, tests, final examination). This weighting may not be changed during the semester or at the time of final grade reporting.

DEFERRED EXAMINATION

A student who is unable to write a final examination at the scheduled time may apply for a deferred examination. The authority to grant or deny a deferred final examination is vested with the chair of the academic unit in which the course is offered. Under no circumstances is the deferred examination to be granted after a student has written the original examination.

Valid reasons for requesting deferral of a final examination include but are not restricted to: personal illness, bereavement, personal injury, unavoidable and unanticipated demands in caring for dependents. The Chair may also consider other compelling reasons that are outside the student's control. The application must be supported by appropriate documentation.

If students become ill or are notified of an emergency during an examination, they should report at once to the invigilating instructor(s), hand in their unfinished examination paper, and request that the examination paper be cancelled. If illness is the cause, they must report directly to Health Services, and should Health Services be closed, medical documentation must be obtained from a physician off campus, so that any subsequent application for a deferred examination may be supported by medical documentation.

In the case of evening students, medical documentation must be obtained from a physician. The professor and Chair should be informed of the circumstances in writing. In the case of an emergency, the student must present appropriate documentation to the professor within three business days of the examination.

Should a student write an examination, hand in the paper for marking, and later report extenuating circumstances to support the request for cancellation of the paper or examination, such requests will not be considered.

Students who have more than two exams scheduled on any calendar day may request and shall be granted a deferral for the third (fourth, fifth, etc.) examinations scheduled on the day. In the event a conflict arises because two or more exams are scheduled at the same time, the Registrar (or designate) will consult with faculty members and assign the deferred examination.

LOSS OF PRIVILEGE

Students who are eligible, but who do not apply for a deferred examination by the prescribed deadlines, shall automatically lose this privilege. Students who have been granted deferred final examination privileges, but who do not show acceptable cause for not writing at the prescribed time, shall automatically lose the privilege of further deferral.

DEFERRED WORK

Professors are normally free, subject to any established departmental or faculty procedures, to administer their own policies regarding deadlines for the completion of term papers or assignments; students must be made fully aware of these policies. However, if the time extension goes beyond the deadline for return of final course grades, the procedures for "I" grades must be followed.

CORRECTION OF GRADES

Once a student's final grade has been recorded by the Office of the Registrar, a professor may not request that this final grade be changed unless it was assigned in error. A Change of Grade form must be submitted certifying the reasons why the first grade is in error. The form must be signed by the professor and the department Chair offering the course. Requests for a change of grade must reach the Office of the Registrar no later than 30 days after the start of the next major (13-week) semester.

TRANSCRIPTS AND THE RELEASE OF INFORMATION

A permanent record of each student's accumulated courses, attempted credits, grades earned and address information is maintained by the Office of the Registrar.

Official transcripts are normally issued to educational institutions, potential employers and students upon request. The student is responsible for any cost associated with this service. Transcripts issued to the student are unofficial. Transcripts may be ordered online, by mail, fax, or in person. When ordering transcripts by mail or fax from the Office of the Registrar, the following information must be included in the written request:

- full name (and former names, if applicable),
- student identification number (if known),
- date of birth,
- dates of attendance at Mount Royal University,
- name and address to which transcripts are to be sent,
- number of transcripts required,
- when transcripts are to be mailed out, one of the following should be specified:
 - send immediately,
 - hold for Fall Semester grades,
 - hold for Winter Semester grades,
 - hold for Spring Semester grades, or
 - hold for Summer Semester grades.
- student signature and date, and
- daytime telephone number.

If you have applied to graduate and wish to have your certificate, diploma or degree noted on the issued transcript, indicate that your transcript is to be held until the graduation notation has been recorded.

The personal information that students provide when applying for Mount Royal programs and courses is collected under the *Post-Secondary Learning Act* (s. 65) and the Freedom of Information and Protection of Privacy Act (s. 33 a & c). Personal information is protected by Alberta's Freedom of Information and Protection of Privacy Act and can be reviewed on request.

Only a student's name, whether or not s/he is registered and the credential awarded (i.e., degree, applied degree, diploma, certificate, etc.) are defined as the student's public record. All other information is considered confidential and will be used and disclosed in accordance with privacy legislation. Information pertaining to a minor who is registered at Mount Royal will only be used and disclosed in accordance with privacy legislation. All third-party inquiries should contact the Office of the Registrar to obtain a Release of Information form.

If you have any questions about the collection or use of this information, please contact the Office of the Registrar at 403.440.3435.

RELEASE OF GRADES

Only the Office of the Registrar has the authority to issue or release official grade information or other academic records and transcripts. However, department Chairs or their delegates are authorized to release or post final grades at the end of each semester in accordance with privacy legislation.

The University does not mail out final grade statements. Students are responsible for confirming their final grades and academic status at the end of each semester by accessing MyMRU on the Mount Royal University website (mtroyal.ca). Students may obtain printed copies of their final course grades by accessing MyMRU (mtroyal.ca) from one of the University's Student Computing Centres, or from a public access terminal located outside the Office of the Registrar or inside the Admissions and Recruitment Office.

OFFICIAL COMMUNICATION

- A letter mailed to a student's address as currently on record in the Office of the Registrar will be considered received. The University is not responsible for incorrect mailings.
- All email correspondence from the Office of the Registrar will go to a student's MyMRU email account. These messages will be considered received.

NAME AND/OR ADDRESS CHANGE

- Every student is required to provide a mailing address at the time of registration
- In the case of a change of address, students are required to notify the Office of the Registrar in writing. No third-party requests will be considered.
- Change of name must also be reported to the Office of the Registrar; appropriate documentation confirming the change of name (marriage certificate, divorce decree or relevant court documents) must be provided as well as a piece of government-issued photo ID.

COUNTERFEITING AND ALTERING

No person(s) shall reproduce, copy, misuse, tamper with or alter in any way, manner, shape or form whatsoever any official writing, record, document or identification form used or maintained by Mount Royal University. Any student who submits fraudulent documents (e.g., transcripts, parchments, etc.) as part of the admission or registration processes will be reported to the Office of Student Conduct.

ACADEMIC APPEALS AND GRIEVANCES

A. INTRODUCTION

The basic principles governing the hearing of student final grade appeals and grievances are as follows:

- Fairness will be applied to all parties in procedures and decisions;
- Academic decisions should be made as close as possible to the level at which the academic expertise resides;
- Students will have the right to consult with the Students' Association (as applicable) at any state of the process;
- Sound academic decisions will not be set aside based on minor irregularities in procedures;
- The onus is on the student to show that a request for a final grade review has merit.
- The process for adjudicating a final grade appeal will be conducted in a timely manner.
- A final grade appeal is solely based on the academic merits of a student's work.
- A student must have one additional opportunity for review of a final grade assignment after consulting with an instructor.
- A final grade appeal based on academic merit must reside within the department in which the course is offered.
- In the spirit of collegiality and co-operation, students are not permitted representation by legal counsel.

B. APPEAL OF FINAL GRADE/GROUNDS FOR APPEAL

There are three grounds for initiating an appeal of a final grade at Levels 1 & 2:

- The final grade was not calculated on all of the work completed and as indicated in the course outline; or
- There was an arithmetical miscalculation of the final grade; or
- There was an alleged unfair assessment of academic performance.

The following grounds apply to Level 3 only:

- There is new evidence that was previously unavailable; or
- There was an alleged procedural error in reaching the decision; or
- The findings of the previous adjudicator were allegedly not supported by the evidence.

C. APPEAL OF FINAL GRADE/APPEAL PROCESS (OVERVIEW)

There are three levels to a final grade appeal. The first two levels will be adjudicated on the academic merit of a student's work. The third level of the appeal process is based solely on the process by which the academic appeal decision was reached.

Students are advised to discuss their concern with their instructor first (Level 1). If that is not feasible for whatever reason, students are to discuss their concerns with the Chair. If a student is not satisfied with the decision at Level 1, s/he can initiate the formal process Level 2 – Final Grade Review. Forms are available at the Office of the Registrar.

If a student is not satisfied with the decision at Level 2, s/he can initiate the Final Grade Appeal process by completing the appropriate form available at the Office of the Registrar. A Level 3 appeal is based on the preceding processes and not on the academic merit of a student's work. **A Level 3 decision is final.**

Level 1: Consultation with Instructor (informal process)

- The final grade was not calculated on all of the work completed and as indicated in the course outline; or
- There was an arithmetical miscalculation of the final grade.

Level 2: Final Grade Review: Chair (formal process)

- There was an alleged unfair assessment of academic performance.

Level 3: Final Grade Appeal: Dean / Final Grade Appeal Committee

D. APPEAL OF FINAL GRADE / APPEAL PROCESS (DETAILED)

Level 1: Consultation With Instructor

- A student who wishes to challenge the final grade awarded in a course should discuss the matter with the instructor before initiating a formal grade review or appeal.
- Should the instructor agree to a change in final grade, s/he must submit a Change of Grade form to the Office of the Registrar.

Level 2: Final Grade Review – Chair

- A Final Grade Review form must be submitted to the Office of the Registrar no later than 20 business days after the end of the final exam period in which the grade was awarded. (The holiday break over Christmas and New Year does not count.)
- If the Chair is also the instructor responsible for the course in question, the form shall be conveyed to the Dean of the faculty offering the course.
- The Chair (or designate) has the authority to take any action s/he feels is appropriate in adjudicating the grade appeal. The Chair must ensure that the identity of the student requesting the review remains anonymous to any third party involved in the appeal process.
- At the Chair's discretion, the final grade may be increased, decreased, or left unchanged.
- The Chair's decision must be recorded on the Final Grade Review form which will be returned to the Office of the Registrar along with additional comments or documentation (as appropriate) in a timely manner but no later than 10 business days after receiving the request for a review.
- The Chair is responsible for notifying the student and instructor, in writing, of the decision.

Level 3: Final Grade Appeal – Dean

- a) A student may file a Final Grade Appeal form to the Office of the Registrar in a timely manner but no later than 10 business days after a decision at Level 2.
- b) If the Dean of the Faculty was involved with a Level 1 or 2 decision, the Registrar will select another Dean to assume the responsibility for the Chair, Final Grade Appeal Committee.
- c) The final grade appeal will be considered if, and only if, the Chair, Final Grade Appeal Committee is satisfied that there are grounds for a Level 3 appeal.
- d) If the Chair, Final Grade Appeal Committee is not satisfied that the appeal has merit, s/he may deny it.
- e) If a formal hearing is deemed necessary by the Chair, Final Grade Appeal Committee, it will be convened in a timely manner but no later than 20 working days after receipt of the original notice of appeal of the Chair's decision.
- f) The Final Grade Appeal Committee has the authority to take any action it feels is appropriate in adjudicating the grade appeal.
- g) The Chair, Final Grade Appeal Committee is responsible for notifying the student, Chair and instructor, in writing, of the decision.

E. COMPOSITION OF THE FINAL GRADE APPEAL COMMITTEE

Each Final Grade Appeal Committee will be composed of five (5) voting members as follows:

- a) The Dean (or alternate) of the Faculty responsible for the instructor/Chair who assigned the final grade will serve as Chair, Final Appeal Committee.
- b) The Students' Association of Mount Royal University will name one student who is unfamiliar with the dispute and does not know the appellant.
- c) Two faculty members will be selected by the Chair, Final Grade Appeal Committee, in consultation with the Registrar. One faculty member will be selected from within the Faculty responsible for the course and one from outside that Faculty. Both faculty members should be unfamiliar with the details of the dispute.
- d) The Registrar.

F. OTHER INFORMATION

1. Status of Student During An Appeal Process

During the course of the grade appeal process, a student retains the right to participate in all classes until a final decision is given.

2. Access to Graded Course Work

- a) Students have the right to supervised access to completed final examination papers which have been graded provided that the request is made within 15 business days after the end of the semester in which the grade was awarded.
- b) Reviewing the final examination with the student is at the sole discretion of the instructor.
- c) Graded course work retained by an instructor may be destroyed one year after the end of the semester in which the work was graded.

3. Course Outlines

- a) All students must be given access to a course outline no later than the second scheduled class or the Add /Drop deadline, whichever is earliest.
- b) The course outline must include the percentage weight assigned to each component used to determine the final grade.
- c) A final grade appeal cannot be based on a challenge to the weightings assigned to the different components of the course which comprise the final grade.

G. COMPLAINTS AND APPEALS WITH RESPECT TO MATTERS NOT INVOLVING ACADEMIC DECISIONS

Any student or employee of Mount Royal who feels they have a complaint about the operations of Mount Royal will be given an opportunity to be heard. Under normal circumstances, the first step is to discuss your complaint(s) or grievance(s) with the person(s) against whom your complaint is directed. If this is not possible or does not produce satisfactory results, you are encouraged to discuss the matter with the direct supervisor(s). If that step does not produce the desired result, the Diversity and Human Rights office and its resources are available. Call 403.440.5956 to schedule an appointment.

CODE OF STUDENT CONDUCT

Mount Royal has a responsibility to define standards of student behavior and to provide reasonable expectations for student discipline with regard to conduct that jeopardizes the functioning of academic and non-academic activities. It is also the obligation of Mount Royal to protect the safety, rights and/ or property of its members or visitors. To this end, Mount Royal implemented the *Code of Student Conduct* policy.

Academic Misconduct

Academic misconduct is defined as the giving, taking or presenting of information or material that unethically or dishonestly aids oneself or another on any work which is to be considered in the determination of a grade, the compilation of academic requirements or the enhancement of a student's record or academic career.

Non-Academic Misconduct

Behaviour that is subject to disciplinary action under the Code includes violations of established civil and criminal statutes; conduct that threatens the safety or wellbeing of members of Mount Royal community; and any behavior that seriously and adversely affects Mount Royal or its educational mission.

The Code of Student Conduct is available through the Office of Student Conduct (C109), the Students' Association of Mount Royal University in Wyckham House or at: mtroyal.ca/studentconduct

HARASSMENT OR DISCRIMINATION

Sexual harassment and other forms of discrimination are unacceptable at Mount Royal University. In cases of harassment or discrimination or for information about Mount Royal's Individual Rights Policy, you are advised to contact Human Resources (employees), Student Advocacy Coordinator (students) or the Diversity and Human Rights Advisor in Room U216C.

ACADEMIC STANDING

Introduction

Mount Royal is committed to maintaining high academic standards, promoting student success, and endeavouring to support students who have difficulty meeting academic requirements. In the event that students are unable to meet academic requirements, Mount Royal will make all reasonable attempts to ensure that they are aware of potential consequences and that information about available support services is provided.

Academic Standing in its various forms applies to all current Mount Royal students and relates to students' eligibility to register in credit courses within a Mount Royal program and their eligibility to graduate from a program. Students should be aware that specific programs may have additional **continuance requirements** that place additional conditions on how a student maintains eligibility to remain in a program of study. Students are solely responsible for being familiar with program specific continuance requirements and general program requirements in order to be eligible to graduate.

Academic Standing/Definitions

A student will be in Good Standing when they have accumulated a minimum of nine earned credits overall, and their cumulative Grade Point Average (GPA) is 2.00 or better.

A student will be placed on **Academic Warning (AW)** when they have accumulated a minimum of nine earned credits overall and their cumulative GPA is less than 2.00. A student will be permitted to remain on Academic Warning for a maximum of two semesters unless they can demonstrate significant improvement in their semester GPA.

A student will be placed on **Academic Probation (AP)** when they have been on Academic Warning for two semesters, their cumulative GPA is less than 2.00, and they did not demonstrate Significant Improvement in their last semester of study. A student will be permitted to remain on Academic Probation for a maximum of one semester unless they can demonstrate significant improvement in their semester GPA.

A student is **Required to Withdraw (RTW)** from the institution for a minimum of twelve months when they have been on Academic Probation for one semester, their cumulative GPA is less than 2.00, and they did not demonstrate Significant Improvement in their last semester of study.

Note: Students who have been required to withdraw are de-registered from all courses in the subsequent semester.

A student is permitted to register for non-credit classes after a requirement to withdraw. For additional information about the application process please refer to the Mount Royal website or contact the Office of the Registrar.

A student demonstrates **significant improvement** when their semester GPA is 2.20 or higher in at least two three-credit courses. A semester GPA is calculated on all grades earned in a given semester.

Note: There is no appeal process for Academic Warning or Academic Probation.

APPEALING A REQUIREMENT TO WITHDRAW (RTW)

Students can appeal their Requirement to Withdraw by completing the appropriate form available at the Office of the Registrar. The application must include supporting documentation or it will not be processed.

The only permissible grounds for appealing a Requirement to Withdraw will be as follows:

- Medical reasons verified in writing by a physician. Documentation must establish a clear and substantive link to his/her academic standing over the period of time the credits were earned; **or**
- Severe emotional distress verified in writing by a Mount Royal Counsellor or other certified mental health professional. Documentation must establish a clear and substantive link to his/her academic standing over the period of time the credits were earned.

A student who believes there may be other extenuating circumstances that do not fit the three categories above may submit an appeal.

Note: Students who have been required to withdraw are not permitted to remain in classes pending the outcome of an appeal.

Re-Admission to a Program After the Requirement to Withdraw (RTW)

Students who have been required to withdraw from Mount Royal must apply for re-admission in accordance with the application deadlines for new students that are specified in the Academic Schedule published in this calendar.

Students seeking (re)-admission to a program must meet with a Mount Royal academic advisor regarding their academic plans. The academic advisor may refer the student to a University counselor if deemed appropriate. Students are required to bring a letter to the meeting with the academic advisor which: (1) offers an explanation for their having been previously unsuccessful, (2) outlines their academic plans, and (3) explains why they are now likely to be successful. The academic advisor will indicate to the Admissions Office when this consultation process has occurred in order to complete the student's application procedure. Admission is not automatic and will be considered on an individual basis.

ELIGIBILITY TO CONTINUE IN A PROGRAM

A student in Good Standing is eligible to continue in his/her program of studies. Students on Academic Warning or Academic Probation cannot be removed from a program unless General Faculties Council has approved the criteria that make that possible. Refer to specific program sections for additional information.

If a student has been removed from a program, s/he is eligible for re-admission to the same program according to the academic criteria in place at the time of application unless General Faculties Council has approved an exception to that policy. Refer to specific program sections for additional information.

ACADEMIC STATUS

COMMON GRADING SYSTEM

Percentages	Alpha Grade	4.0 Point Scale	Description
95-100	A+	4.0	Excellent - Superior performance, showing comprehensive understanding of subject matter.
85-94	A	4.0	
80-84	A-	3.7	
77-79	B+	3.3	Good - Clearly above average performance with knowledge of subject matter generally complete.
73-76	B	3.0	
70-72	B-	2.7	
67-69	C+	2.3	Satisfactory - Basic understanding of subject matter.
63-66	C	2.0	
60-62	C-	1.7	
55-59	D+	1.3	Marginal performance - Generally insufficient preparation for subsequent courses.
50-54	D	1.0	
0-49	F	0.0	Fail - Assigned to students a) who do not meet the academic requirements of the course, or b) who cease to continue in the course, but do not withdraw as per MRU policy.

NOTE: All courses are required to follow the percentage to alpha grade conversion table for final marks.

Symbols (not calculated in Grade Point Average)

- AU** The AU symbol is given if a course is audited.
- CR** Prior Learning Credit: this refers to credit assigned through the Prior Learning and Recognition (PLAR) assessment process.
- NC** No Prior Learning Credit: this refers to credit not assigned through the Prior Learning and Recognition (PLAR) assessment process. Refer to the *Prior Learning Assessment and Recognition* policy and procedures in the Transfer Credit and Evaluation of Prior Learning section.
- EF** Experiential Fail: indicates unsatisfactory performance in an experiential learning course (practicum, fieldwork, internship, or clinical placement).
- EP** Experiential Pass: indicates successful completion of an experiential learning course (practicum, fieldwork, internship, or clinical placement).
- I** Incomplete: temporarily applied when a student has not completed semester work to the satisfaction of the professor and has been granted an extension to complete that work. (See section below for conditions).
- Q** Unassigned Grade: an administrative code assigned by the Registrar's Office in extenuating circumstances and on an interim basis, along with appropriate transcript notation, pending resolution of a final grade decision.

- TR** Transfer course: indicates that a course was taken at another post-secondary institution.
- W** Withdrawal: a student receives a "W" following official withdrawal from a course. (See section below for conditions).
- WC** Withdrawal with Cause: a student receives a "WC" following official withdrawal from a course due to special circumstances. (See section below for conditions).

The method by which professors arrive at the final course grades is left to their discretion. In different departments and within departments, different percentages might be required for a Satisfactory standing. However, the system used must be communicated to the students at the beginning of the semester and should be stated in the course outline for each course. Professors must convert their own method for determining course standing to the official grading system when assessing final grades. The University will not undertake any official conversion or equation of letter grades with any percentage or other grading systems.

Conditions for "I" symbol

The decision as to whether or not the student will be permitted to enter into a contract for the completion of a course rests with the professor. If the professor is not available, the student should contact the appropriate department/program Chair.

The agreement must be arranged prior to the deadline for submission of final grades and a copy of the agreement must be forwarded to the Office of the Registrar by the professor.

Course requirements must be completed within a maximum of 60 calendar days after the end of the semester.

The contract must indicate what the letter grade for the course will be if the student does not complete the course work specified in the professor-student contract (i.e., the grade earned in the course to that date).

Unless the Office of the Registrar has been notified before, at the end of the 60-day period, the "I" symbol will be changed to a letter grade as determined by the professor, or, if the specified course work has not been completed, the "I" will be changed to the grade indicated in the professor-student contract.

Extension of the "I" symbol contract beyond the 60-day period can be made at the discretion of the professor.

Conditions for "W" symbol

A "W" symbol can be applied up to and including the withdrawal deadline as stated in the Academic Schedule.

Any consideration for withdrawals after this deadline must be supported by medical and/or psychological documentation.

No withdrawals are permitted after the last day of classes.

Conditions for "WC" symbol

Students can apply for a "WC" at any time during the semester up to and including the last day of scheduled classes.

A "WC" will apply under the following conditions:

- serious illness, verified in writing by a physician, or
- severe emotional distress, verified in writing by Student Counselling Services or other registered mental health professional.

Except under exceptional circumstances, a student who has entered into an 'I' contract will not be eligible for a "WC".

See Change of Registration section for further information.

Removal from Experiential Learning course

At the professor's discretion, a student in an experiential learning course (e.g., practicum, fieldwork, work experience, internship, Co-op, or clinical placement) may be removed from the course at any point in the semester and assigned an "EF" grade, if the student's academic performance directly or indirectly threatens the safety of others.

GRADE POINT AVERAGE

The Grade Point Average (GPA) is determined by dividing the total grade points earned by the number of credit hours attempted. The "AU", "CR", "I", "NC", "EF", "EP", "Q", "IP" and "W" and "WC" grades are not included in calculating the GPA. Academic upgrading courses (those numbered 0100-0999) are also not included in calculating the GPA.

Example: Assume a student earns the following grades: Interior Design – A, Chemistry – B, English – C, Geology – D, German – F, Mathematics – I and Psychology – W.

Course	Grade	Points		Credits		Points
ACCT 2121	F	0	x	3	=	0
CHEM 1201	B	3	x	3	=	9
ENGL 1101	C	2	x	3	=	6
GEOL 1101	D	1	x	3	=	3
INDS 2144	A	4	x	3	=	12
MATH 1224	I	NA	x	3*	=	0
PSYC 1104	W	NA	x	3*	=	0
				15		30
Total Grade Points						30
Total Credits*						15*
Grade Point Average					=	2.00

* "I" and "W" grades are not counted.

Cumulative GPA is calculated on all grades earned at Mount Royal.

Semester GPA is calculated on all grades earned in a given semester.

Program GPA is calculated on all grades earned for all courses required for graduation in a program of study.

DEAN'S HONOUR ROLL

A student who earns 12 or more credit hours in a semester at Mount Royal University with a GPA of 3.50 or higher will be placed on the Dean's Honour Roll for that semester.

PRESIDENT'S HONOUR ROLL

A student who earns 24 or more credit hours in an academic year at Mount Royal University with a GPA of 3.75 or higher will be placed on the President's Honour Roll.

REPETITION OF A COURSE

Students may repeat any course. When a course is repeated, the original grade remains on the student's academic record. Only the higher grade awarded is used to determine the cumulative GPA, eligibility to graduate and continuance as a student in good standing at the University.

GENERAL GRADUATION REQUIREMENTS

Generally, all students who expect to receive a parchment from Mount Royal University must satisfy the graduation requirements for a baccalaureate degree program, a diploma program or a certificate program as shown in this section. Several programs have special graduation requirements, which must also be met before a degree, diploma or certificate can be awarded. The additional requirements are shown in the program description section of the programs concerned. (Also see Academic Regulations – Graduation). Students are cautioned to note the general statements regarding graduation and the restrictions and interpretations that follow. Consult the Office of the Registrar if you are uncertain about your graduation status.

APPLICATION TO GRADUATE

All students who are candidates for the award of a baccalaureate degree, diploma or certificate are responsible for notifying the Office of the Registrar of their intention to graduate. They must complete and submit an application to graduate prior to the relevant deadline indicated in the Academic Schedule in this calendar. The application form is available online through MyMRU or at the Office of the Registrar.

Candidates graduate in accordance with the conditions and requirements shown in the calendar of the year in which they first enrolled in the program, provided there has been no break in their attendance at the University. Students who discontinue their studies will be subject to the graduation requirements published in the calendar at the time of their return to the University.

ELIGIBILITY TO GRADUATE

In order to graduate from any Mount Royal University credit program, a student must satisfy all program requirements specified in the curriculum at the time of admission to the program or the current program curriculum and meet the requirements for Good Standing (see Academic Standing section) at the time the application to graduate is evaluated.

Admission to program

To be eligible to graduate, a student must have been **officially admitted** into the program and must normally complete **at least 25%** of the graduation requirements as a student within the program, except where written approval has been given by the Dean/Director of the faculty/centre/school.

Residency

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at Mount Royal, except where written approval has been given by the Dean/Director of the appropriate faculty/centre/school.

In addition, at least 50% of the Directed Field Study requirement for an applied degree must normally be completed as a student of Mount Royal.

Program Pattern

A student must successfully complete all requirements as stated in the approved program pattern (see the Academic Program section). This includes earning the number of required credits, successfully completing all courses identified as the program core, meeting the General Education requirements, as well as completing any additional requirements specified in the calendar.

Cumulative Grade Point Average (GPA)

A student must have a cumulative GPA of at least 2.00 based on all courses required for graduation in the program; this will include all the core courses specified in the published curriculum pattern for that program, as well as all approved options and electives, and General Education courses. Some programs may require a higher GPA for graduation.

General Education Requirements

General Education is primarily responsible for meeting the liberal education component of a degree. General Education requirements are mandatory for all students pursuing a baccalaureate degree or diploma program and will vary depending on the program. Students should review mruGradU8 or speak with their advisor to ensure that they are meeting program requirements. See mtroyal.ca/gened/courses

RESTRICTIONS

- No course may be presented to fulfill more than one graduation requirement **within one credential**. (For example, English 1101 may not be used to satisfy a program core requirement and a General Education requirement.)
- See following sections for specific restrictions on using courses to complete a minor or double major.
- No high school or matriculation equivalent course (level 30 or lower) may be used for graduation purposes (see list of high school/matriculation equivalent courses in the section entitled High School Matriculation Equivalents).
- Students may apply a maximum of seventy-five per cent (75%) of the credits obtained under one Mount Royal credential towards the graduation requirements of another credential at Mount Royal. The Dean of the Faculty from which a student wishes to graduate has the authority to grant an exception to the limit on internal transfer.
- Two Directed Reading courses can be used for graduation purposes but they must be in different disciplines.
- English 0212 is a university-level course but unless it is specifically required for a program, it can only be used to satisfy an elective requirement.
- A maximum of 16 junior (1000-level) courses may be used to satisfy requirements for a baccalaureate degree.

LETTER OF PERMISSION

Students who wish to complete relevant course work for a baccalaureate or applied degree, diploma or certificate program at another recognized or accredited post-secondary institution must receive prior approval requesting a Letter of Permission. See section entitled Transfer Credit and PLAR for details.

TIME LIMITATION – BACCALAUREATE DEGREE COURSE WORK

All graduation requirements for a baccalaureate degree program must be completed within eight years of initial admission to and enrolment in the baccalaureate degree program. The prior learning of all students entering baccalaureate degree programs will be fully assessed at the point of admission for possible advanced standing or transfer credit. Applicable credit for prior learning which is recognized at the point of entry into the program will remain valid for the same time limit (eight years) as is permitted to complete the program. Any student who is unable to complete a credential within the stated time limits will be removed from the program and will be required to apply for readmission.

TIME LIMITATION – DIPLOMA OR CERTIFICATE COURSE WORK

All graduation requirements for a certificate or diploma program must be completed within six years of initial admission to and enrolment in that certificate or diploma program.

The prior learning of all students entering certificate or diploma programs will be fully assessed at the point of admission for possible advanced standing or transfer credit. Applicable credit for prior learning which is recognized at the point of entry into the program will remain valid for the same time limit (6 years) as is permitted to complete the program. Any student who is unable to complete a credential within the stated time limits will be removed from the program and will be required to apply for readmission.

PROGRAM DEFINITIONS

Baccalaureate Degree

Normally, baccalaureate degree programs consist of forty, three-credit courses (typically eight semesters) and consist of courses in three categories: Program Core, General Education, and Electives. Because of accreditation requirements and other professional requirements, the number of courses required to meet core requirements may vary. Specific requirements are:

- Normally, the program core will not be more than twenty-six courses within a forty course program.
- General Education requirements in a program will normally consist of ten courses:
 - Four courses will be taken at the foundation level: one from each of the four thematic cluster areas.
 - Three courses will be taken at the second tier: no more than one from each of the thematic clusters. Students must include a selection from the Numeracy and Scientific Literacy cluster at tier 2.
 - Three courses must be taken at the third tier, selected from at least two of the thematic clusters.
 - General Education requirements may vary depending on program. Students should review their General Education requirements in *muGradU8* or speak with their advisor.
- Normally, electives constitute a minimum of four courses from the total number of courses that make up the program.

Major

A major is a prescribed set of no less than fourteen courses or normally no more than twenty-six courses within a forty course program. The designation for major will normally appear on the transcript and the degree parchment.

Double Majors

- Discipline choices for a double major must be made within a single degree.
- All core requirements for each major must be satisfied in a manner approved by the Dean.
- All General Education requirements for the degree must be satisfied.
- A maximum of four General Education courses (12 credits) can be used to satisfy the requirements for a double major.
- Courses which satisfy an Elective requirement can be used to satisfy the requirements for a double major without restriction.

Minor/Double Minors

A Minor is a prescribed set of no less than six courses and no more than eight courses. The designation for Minor will appear on the transcript but not on the degree parchment.

- No more than 50% of courses, up to a maximum of four courses, can be used to satisfy both the Minor and the Major and/or Concentration requirements.
- Courses used to satisfy a General Education and/or Elective requirement can also be used to satisfy a requirement for a Minor.
- Students may pursue a maximum of two Minors within a degree program.

Concentration

A Concentration is comprised of no less than six and no more than ten prescribed courses (including approved options). The designation for Concentration will appear on the transcript but not on the degree parchment.

- Courses used to satisfy Concentration requirements cannot be used to satisfy General Education or Elective requirements.
- Students may pursue a maximum of two Concentrations within a Major, provided the Concentrations do not have any courses in common.

Diploma

Generally, diploma programs will have a minimum of 60 credits and a maximum of 72 credits and have the following requirements:

- Five General Education requirements: Cluster 4, Foundation; four other courses chosen from each cluster at the foundation or higher level. (Note: Some diplomas may have been granted exemptions to these requirements. Students should consult with an advisor or refer to the appropriate section in this calendar.); and
- Program core courses (no fewer than 36 credits), electives and approved options.

Credit Certificate

Programs offering this type of credential may include program core courses, electives and approved options (minimum of 18 credits and six courses). Generally, programs of this type will be from six to 10 courses in length and will focus on professional development, post-diploma or post-baccalaureate education.

Certificate of Achievement

This type of certificate is given to acknowledge completion of an approved series of related credit courses (minimum of nine credits and three courses). Generally, programs of this type will be from three to five courses in length and will focus on professional development.

Credit-Free Certificate

Programs offering this type of credential include at least three required program core courses and in addition, there may be a series of options from which a specified number may be selected. Programs of this type must have a minimum of 60 instructional hours and individual courses within the program will not usually be less than 15 hours in length.

Cognate Course

A cognate course is a course from outside a defined discipline which complements and enhances the breadth of knowledge and skills found within the area of study.

Interdisciplinary program

A program is considered interdisciplinary when it combines and integrates courses primarily within one discipline with cognate courses.

Community Service Learning Citation

MRU recognizes Community Service Learning (CSL) as a high impact teaching practice that offers students the opportunity to make a positive impact in local and global communities through hands-on experience. Professors at MRU have employed CSL as a teaching pedagogy for more than twenty years through community based projects where students apply academic theories and processes. Community organizations work with professors to develop deep learning experiences that address real-world challenges and opportunities.

In an effort to recognize student engagement MRU has develop a CSL Citation that is recorded as a co-curricular record on the student transcript. The Citation demonstrates that a student has significantly integrated CSL into their post-secondary education by completing three courses for a minimum of nine credits that are designated as employing community engagement. CSL designated courses entail at least twenty hours of community service, and are worth at least 15% of each course grade.

The CSL Citation recognizes student contributions towards the sustainability of local, regional, and international organizations and communities. For further information on declaring your intent for a CSL Citation, or to view a list of eligible courses, visit mtroyal.ca/CSLearning.

ACADEMIC FACULTIES

Mount Royal University offers instruction leading to the award of the following degrees, diplomas, and certificates:

FACULTY OF ARTS

Bachelor of Arts

- Anthropology
- English
- History
- Policy Studies
- Psychology
- Sociology

Bachelor of Arts – Criminal Justice

Bachelor of Interior Design

FACULTY OF BUSINESS AND COMMUNICATION STUDIES

Bissett School of Business

Bachelor of Business Administration

- Accounting
- General Management
 - Concentration in Financial Analysis
 - Concentration in Financial Services
 - Concentration in Innovation and Entrepreneurship
 - Concentration in International Business
 - Concentration in Social Innovation
 - Concentration in Supply Chain Management

- Human Resources
- Marketing

Diploma – Aviation

Certificate – Business Administration

- Advanced Accounting
- Human Resources
- Marketing

School of Communication Studies

Bachelor of Communication

- Broadcast Media Studies
- Information Design
- Journalism
- Public Relations

Certificate of Achievement – International Communication

FACULTY OF CONTINUING EDUCATION & EXTENSION

Centre for Extension Credit – Occupational Programs

- Funeral Service – Diploma
- Funeral Director – Certificate
- Embalmer – Certificate
- Massage Therapy – Diploma
- Massage Therapy – Certificate
- Personal Fitness Trainer – Diploma

Open Studies

FACULTY OF HEALTH, COMMUNITY AND EDUCATION

Bachelor of Child Studies

Bachelor of Education – Elementary

Bachelor of Health and Physical Education

Bachelor of Midwifery

Bachelor of Nursing

Diploma – Social Work

Certificate – Athletic Therapy

Post-Basic Nursing Certificates

Advanced Studies in Critical Care Nursing

- Critical Care Nursing
- Emergency Nursing

Certificate of Achievement – Bridge to Canadian Nursing

FACULTY OF SCIENCE AND TECHNOLOGY

Bachelor of Computer Information Systems

Bachelor of Science

- Cellular and Molecular Biology
- Chemistry

- Environmental Science
- General Science

- Concentration in Biology
- Concentration in Chemistry
- Concentration in Geography
- Concentration in Geology
- Concentration in Mathematics
- Concentration in Physics

Geology

Health Science

Bachelor of Science – Computer Science (University Transfer)

Certificate – Environmental Science

FACULTY OF ARTS

PROGRAMS OFFERED

Bachelor of Arts BA

Majors:

Anthropology	Policy Studies
English	Psychology
History	Sociology

Minors:

Anthropology	Indigenous Studies
Art History	International Business and Economics
Canadian Studies	Peace and Conflict Studies
Creative Writing	Philosophy
Economics	Political Science
English	Psychology
Film Studies	Religious Studies
Finance & Economics	Sociology
French	Spanish
Linguistics	Teaching English as a Second Language
History	Women's & Gender Studies
Humanities	

Honours:

Anthropology
English
History
Policy Studies
Psychology
Sociology

Bachelor of Arts – Criminal Justice BA-CJ

Bachelor of Interior Design BID

BACHELOR OF ARTS

GENERAL INFORMATION

A Bachelor of Arts degree opens doors to a wide range of learning and career opportunities.

Features of the Mount Royal Bachelor of Arts program include the following:

- high academic standards;
- relevant, current, and rigorous curriculum based on clearly articulated outcomes;
- strong General Education/breadth component;
- special emphasis on developing communication and critical thinking skills;
- high level of student-teacher interaction;
- highly qualified faculty dedicated to excellent instruction;
- both Major and Honours streams available in several disciplines to accommodate career-oriented students as well as those planning further study;
- use of leading edge technology to enhance learning and classroom delivery;
- experiential learning components where applicable (such as internships); and
- opportunities for international study.

As well as obtaining a breadth of knowledge, students in the Mount Royal Bachelor of Arts program will achieve depth of knowledge in the subject area they select for their Major. BA students also have the option of selecting a Minor area of concentrated study in addition to their Major. Qualified students planning to pursue graduate school or wishing to explore their selected field in more depth can apply to the Honours stream.

BA students at Mount Royal can pursue a Major, an Honours stream, and/or a Minor.

Subject Area	Major	Honours	Minor
Anthropology	X	X	X
Art History			X
Canadian Studies			X
Creative Writing			X
Economics			X
English	X	X	X
Film Studies			X
Finance and Economics			X
French			X
History	X	X	X
Humanities			X
Indigenous Studies			X
International Business and Economics			X
Linguistics			X
Peace and Conflict Studies			X
Philosophy			X
Policy Studies	X	X	
Political Science			X
Psychology	X	X	X
Religious Studies			X
Sociology	X	X	X
Spanish			X
Teaching English as a Second Language			X
Women's & Gender Studies			X

Opportunities For Further Study

Entrance into graduate or professional school is competitive. The Bachelor of Arts degree, including the Honours stream, does not guarantee admission into graduate or professional school. Graduates must meet the individual university's 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 enrol.

International Education Opportunities

Qualified Mount Royal students have the opportunity to take part in international education experiences such as international field schools and semesters abroad. For more information, contact an Advisor or the Mount Royal Office of International Education.

Declaration of Major

Students must declare their Major field of study within one year (ten courses) of enrolling in the program. Students who have decided on their Major are advised to declare it as soon as possible to facilitate proper course selection and access to core courses.

Double Majors

Double majors must be chosen within the six majors offered as part of the Bachelor of Arts and include

- 10-12 General Education courses, of which, four can fulfill the requirements of the double major.
- All core courses specified for each major (a minimum of thirty-two courses), with the following exception:
Double major in Psychology and Sociology: 16 core courses in each discipline, including:
 - PSYC 2210 – Statistical Methods for Psychology I or SLGY 3321 – Quantitative Methods
 - PSYC 2213 – Research Methods I or SLGY 2232 – Introduction to Sociological Research Methods
 - PSYC 2211 – Statistical Methods for Psychology II
 - SLGY 3323 – Qualitative Research Methods
 - Students who take PSYC 2210 and 2213 must take an additional two options in Sociology
 - Students who take SLGY 3321 and 3323 must take an additional two options in Psychology

Residency Requirement

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the dean/director of the appropriate faculty/centre/school.

In addition, students should be aware that various experiential components, such as the internship in Policy Studies and Interior Design and the practicum in Criminal Justice, must normally be completed as a student of Mount Royal.

Time Limitation

All graduation requirements for the BA degree program must be completed within eight years of initial admission to and enrolment in the program. The prior learning of all students entering baccalaureate programs will be fully assessed at the point of admission for possible advanced standing or transfer credit. Applicable credit for prior learning which is recognized at the point of entry into the program will remain valid for the same time limit (eight years) as is permitted to complete the program.

Continuance Requirements

Students accepted into the Mount Royal Bachelor of Arts program must comply with all Mount Royal policies and regulations regarding academic progress and continuance.

Eligibility To Graduate

To be eligible to graduate from a Mount Royal program, a student must have been officially admitted into the program and must normally complete at least 25% of the graduation requirements as a student within the program, except where written approval has been given by the dean/director of the faculty/centre/school.

Application for Honours after receiving a Bachelor of Arts in the same discipline.

A student who has graduated with a Bachelor of Arts may not apply to enter Honours in the same discipline in which he or she has received the Bachelor of Arts degree.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants must also satisfy the following criteria for each Major.

Academic Course Requirements

The following specific courses (or their equivalencies) with the specified minimum grades are required for admission into the Bachelor of Arts program:

Majors: Anthropology, English, History and Sociology

- English Language Arts 30-1 – 60%
- Mathematics 30-1 or 30-2 or a 30-level language

Major: Psychology

- English Language Arts 30-1 – 60%
- Mathematics 30-1 or 30-2 – 60%

Major: Policy Studies

- English Language Arts 30-1 – 60%
- Mathematics 30-1 or 30-2 – 60%

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.

Indigenous Student Admission

Each year, 7% of the seats in the Bachelor of Arts program will be reserved for Indigenous applicants through an Indigenous admission target. To be considered for admission under the Indigenous admission target, the applicant must:

- self-identify as an Indigenous applicant on the Application for Admission
- meet the definition of an Indigenous 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission period. 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.

PROGRAM STRUCTURE FOR MOUNT ROYAL BACHELOR OF ARTS DEGREES

1. Total number of three-credit courses
(or equivalent) 40 courses minimum
2. Program Core/General Education/Electives
 - a. Program Core (See each Major for specific core
course requirements) 16-20 courses*
 - b. General Education 10-12 courses minimum*
 - c. Electives 6-14 courses*
3. First-year course limit (1000 level) 16 courses maximum
4. Maximum number of courses outside of the Faculty of Arts, and/or
the Faculty of Science and Technology, and/or courses designated as
General Education courses 8 courses
5. Course limit in a single discipline 24 courses maximum
6. Grade Point Average (GPA) to graduate 2.00 minimum

PROGRAM STRUCTURE FOR MOUNT ROYAL BACHELOR OF ARTS DEGREES (HONOURS)

1. Total number of three-credit courses
(or equivalent) 40 courses minimum
2. Program Core/General Education/Electives
 - a. Program Core (See each Honours program for specific core
course requirements) 20-22 courses*
 - b. General Education 10-12 courses minimum*
 - c. Electives 5-10 courses*
3. First-year course limit (1000 level) 16 courses maximum
4. Maximum number of courses outside of the Faculty of Arts, and/or
the Faculty of Science and Technology, and/or courses designated as
General Education courses 8 courses**
5. Course limit in a single discipline 24 courses maximum
6. Grade Point Average (GPA) for last 20 courses completed 3.00 minimum

* Each major in the Bachelor of Arts has an exact number of program core, general education, and elective courses. See each major for specific program requirements.

** Thirty-two courses selected from the Faculties of Arts or Science, or courses designated as General Education courses. The thirty-two courses mentioned above may include the following:

Faculty of Arts: Any university-level course in Anthropology, Art History, Canadian Studies, Chinese, Classics, Creative Writing, Criminal Justice, Economics, English, Film Studies, French, History, Humanities, Indigenous Studies, Interior Design, Italian, Japanese, Latin American Cultures, Linguistics, Mediterranean Cultures, Philosophy, Policy Studies, Political Science, Psychology, Religious Studies, Sociology, Spanish, and Women's & Gender Studies.

Faculty of Science and Technology: Any university-level course in Astronomy, Biochemistry, Biology, Chemistry, Computer Science, Ecology, Ecotourism and Outdoor Leadership, Environmental Science, Geography, Geology, Mathematics, Microbiology, Natural Science, Physics.

General Education: Any university-level course with the General Education prefix (GNED) or any courses labelled as General Education [G] in the Mount Royal Calendar.

MAJOR IN ANTHROPOLOGY

The Bachelor of Arts degree in Anthropology provides students with a broad, integrated knowledge of the subject. Through its four major fields – Cultural Anthropology, Biological Anthropology, Linguistic Anthropology and Archaeology – Anthropology explores all aspects of human life, both ancient and modern, over time and space. By creating a strong balance between humanistic and scientific approaches, this degree offers a holistic comparative understanding of Anthropology and therefore provides an excellent foundation for graduate studies as well as careers in Anthropology and other areas such as teaching, social work, curatorial work, and international affairs.

Graduates majoring in Anthropology at Mount Royal will acquire an extensive knowledge of all four major fields – Cultural Anthropology, Biological Anthropology, Linguistic Anthropology, and Archaeology – and the interconnections among them. Anthropological training will uniquely prepare graduates to engage competently and critically with the major issues of globalization, multiculturalism, and cultural heritage in the larger context of the human experience. This program will also foster proficiency in the methods of research, analysis, and scientific reasoning that distinguish Anthropology as an interdisciplinary realm within the social sciences.

Students with a major interest in Cultural Anthropology or Linguistic Anthropology should take related courses in subjects such as Economics, History, Philosophy, Political Science, Psychology, Religious Studies, and Sociology.

Students with a major interest in Archaeology should take related courses in subjects such as Art History, History, Geography, Geology, and Chemistry.

Students with a major interest in Biological Anthropology should take related courses in subjects such as in Biology, Psychology, and Sociology.

Students who are contemplating a specialization in a particular geographical region should take related courses in subjects such as Geography, History, Political Science, and the language of that region.

Mount Royal's BA in Anthropology aims to provide students with the following competencies:

1. foundational knowledge in the historical development, philosophical and theoretical trends, methodology, and practice of the discipline of Anthropology;
2. the ability to utilize and value the holistic and interdisciplinary approaches that are fundamental to Anthropology;
3. solid cross-cultural understanding of the nature and diversity of present and past cultures;
4. the ability to recognize the biases that societies carry in their understanding of human cultures and how anthropological training can help to overcome these biases;
5. an open-minded and culturally sensitive appreciation of different cultures and their relevance in the contemporary world;
6. solid competency in locating, reading, and comprehending primary and secondary sources;
7. strong analytical and critical thinking skills;
8. mastery of multiple methodologies and the scientific method;
9. the ability to formulate and communicate cogent arguments;
10. specific skills in managing, evaluating, and interpreting data derived from past and present cultures;
11. the ability to work and communicate effectively in collaborative group projects;
12. the ability to articulate points of view clearly and persuasively to others;
13. the ability to view situations reflectively by seeing oneself as both subject and object;
14. the ability to engage in participant-observation and promote cultural curiosity through experiential fieldwork;

15. the ability to engage in and evaluate both humanistic and scientific approaches through critical thinking and rigorous logical thought processes;
16. the ability to contextualize biological and cultural phenomena in terms of both local and global perspectives.

GRADUATION REQUIREMENTS – MAJOR IN ANTHROPOLOGY

All students must meet the general graduation requirements for the Bachelor of Arts, in addition to the graduation requirements for the Anthropology major.

ANTH 1102 – Introduction to Biological Anthropology

ANTH 1103 – Introduction to Cultural Anthropology

ANTH 1104 – Introduction to Archaeology

ANTH 1106 – Introduction to Linguistic Anthropology

ANTH 2225 – Ancient Civilizations

ANTH 2229 – Anthropology of Race

ANTH 2241 – Ethnography in Anthropology

ANTH 3305 – History of Anthropology

ANTH 3307 – Statistics for Anthropology

ANTH 4401 – Anthropological Theory

Two classes in:

ANTH 3201 – Lithic Analysis

ANTH 3302 – Ethnographic Methods

ANTH 3309 – Ceramic Analysis

ANTH 3321 – Human Osteology

ANTH 3342 – Perspectives on Discourse Tactics

Three ANTH classes at the 2000 level or higher

One ANTH class at the 4000 level or higher

10 General Education courses

14 Elective courses*

*Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including ANTH courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix ANTH).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – Anthropology.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Note: Students may pursue a general background in Anthropology or they may elect to focus on a particular field or fields (Cultural Anthropology, Linguistic Anthropology, Biological Anthropology, and Archaeology). If a focus is desired, then students should consult with the Anthropology Advisor in order to prepare the proper array of courses.

MAJOR IN ANTHROPOLOGY (HONOURS)

Acceptance Criteria

Students may apply to the appropriate department for acceptance into the Honours stream upon successful completion of twenty courses in the Bachelor of Arts program. **Acceptance into the Honours stream is competitive meaning students with higher GPA's will be considered first.** Students must present a minimum Grade Point Average of 3.00 in the last 10 courses completed and identify a research focus that is compatible with the available faculty for mentorship within the department.

Before applying for Honours, students must also have declared a major in the Honours discipline. Students may apply for entrance into Honours between March 1 and May 1 of the academic year in which they have successfully completed twenty courses. Departments/disciplines in which Honours streams are housed will meet to decide on who will be accepted into the Honours stream, based on the number of applications received and the qualifications of the students who have applied. A student who has graduated with a Bachelor of Arts may not apply to enter Honours in the same discipline in which they received the Bachelor of Arts degree.

Continuance Requirements

Students accepted into the Honours BA must maintain a term GPA of 3.00 in each semester. Subject to review by the Chair, students who fail to maintain a term GPA of 3.00, will lose their place in the Honours stream. Students will normally not be permitted to reapply for Honours, and may do so only with the permission of the Chair of their Honours discipline. Students permitted to reapply must follow the procedures for acceptance into the Honours stream, as mentioned above.

There is no guarantee that a student will be re-admitted into the Honours stream. Students completing the Honours stream who have failed to satisfy all the requirements for an Honours degree but who have satisfied all requirements for a BA major degree shall receive a BA major degree upon graduation.

GRADUATION REQUIREMENTS – MAJOR IN ANTHROPOLOGY (HONOURS)

All students must meet the general graduation requirements for the Bachelor of Arts (honours), in addition to the graduation requirements for the Anthropology (honours) major.

ANTH 1102 – Introduction to Biological Anthropology

ANTH 1103 – Introduction to Cultural Anthropology

ANTH 1104 – Introduction to Archaeology

ANTH 1106 – Introduction to Linguistic Anthropology

ANTH 2225 – Ancient Civilizations

ANTH 2229 – Anthropology of Race

ANTH 2241 – Ethnography in Anthropology

ANTH 3305 – History of Anthropology

ANTH 3307 – Statistics for Anthropology

ANTH 4401 – Anthropological Theory

ANTH 5110 – Research Design and Professional Development

ANTH 5120 – Honours Thesis

Two classes in:

ANTH 3201 – Lithic Analysis

ANTH 3302 – Ethnographic Methods

ANTH 3309 – Ceramic Analysis

ANTH 3321 – Human Osteology

ANTH 3342 – Perspectives on Discourse Tactics

Four ANTH classes at the 2000 level or higher

Two ANTH class at the 4000 level or higher

10 General Education courses

10 Elective courses*

* Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including ANTH courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix ANTH).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – Anthropology (Honours).

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Note: Students may pursue a general background in Anthropology or they may elect to focus on a particular field or fields (Cultural Anthropology, Linguistic Anthropology, Biological Anthropology, and Archaeology). If a focus is desired, then students should consult with the Anthropology Advisor in order to prepare the proper array of courses.

MAJOR IN ENGLISH

The Bachelor of Arts program in English is designed to enable students to explore many aspects of English studies. The Department of English, Languages, and Cultures offers courses in composition, creative writing, film, literature, and literary theory. A distinctive feature of this English department is the commitment to improving students' writing skills. Given this focus on writing and on reading different types of texts, students will find these programs useful for a variety of occupations and/or further study.

Graduates will be aware, not only of the historical and generic categories of English literature, but also of the role language plays in shaping our perceptions of everyday life. Mount Royal English graduates will be broadly literate for having engaged with written, visual and other types of social text. Mount Royal English graduates will be able to articulate the cultural processes that produce literatures in a variety of different geographic settings including Canada. In order to achieve this level of understanding, graduates will have taken a variety of courses stressing different literatures, genres, media and approaches to forms of cultural production.

Graduates will be able to communicate effectively in a variety of contexts. Graduates will be in firm possession of other core, transferable skills, such as thinking strategies, ethical reasoning, information retrieval and evaluation capabilities, computer literacy and group effectiveness, thus enabling them to succeed in further studies and career opportunities. Qualified graduates may go on to professional programs like law or develop careers in business, writing, or teaching. Graduates will have experienced different learning environments and developed metacognition (that is, a high level of self-awareness regarding learning and professionalization) around learning styles and preferences, an important outcome for the life-long learner in the education system or the workplace.

The graduate will:

1. demonstrate a writing style that exhibits clarity, eloquence, and precision.
2. consider the audience when selecting rhetorical strategies.
3. articulate positions clearly and persuasively.
4. support arguments with appropriate sources of information.
5. analyze, evaluate and synthesize information from different sources.
6. construct reasonable and informed readings of texts.
7. be aware of genre conventions and literary traditions.
8. recognize various theoretical and critical approaches to texts.
9. address different positions in the course of developing an argument.
10. interrogate the ways in which ethical assumptions are shaped and analyze how one's own ethical framework affects one's readings of texts.
11. document sources in an ethically responsible way.
12. use information technologies effectively.
13. apply group process skills in diverse settings.
14. assess personal effectiveness in learning.

GRADUATION REQUIREMENTS – MAJOR IN ENGLISH

All students must meet the general graduation requirements for the Bachelor of Arts, in addition to the graduation requirements for the English major.

ENGL 2202 – Theory in English Studies

ENGL 2210 – English Literature to the Eighteenth Century

ENGL 2211 – English Literature from the Eighteenth Century

One class in:

ENGL 1131 – Introduction to Fiction

ENGL 1135 – Introduction to Poetry

ENGL 1137 – Introduction to Dramatic Literature

ENGL 1151 – The Art of Story: An Introduction to Literature

ENGL 1152 – Identity and Invention: An Introduction to Literature

ENGL 2141 – Literature for Young Children

One class in:

CRWT 2264 – Intermediate Creative Writing, Poetry 1: Contemporary Practice

CRWT 2265 – Intermediate Creative Writing, Poetry 2: Poetic Precedents

CRWT 2266 – Intermediate Creative Writing, Fiction 1: Contemporary Practice

CRWT 2267 – Intermediate Creative Writing, Fiction 2: Precedents

ENGL 2205 – Writing about Literature

ENGL 2207 – Intermediate Writing

ENGL 2263 – Technical Writing

Two classes in:

ENGL 2248 – American Literature from 1865 to 1945

ENGL 2249 – American Literature from 1945 to the Present

ENGL 2270 – Canadian Literature to 1914

ENGL 2271 – Canadian Literature from 1914 to the Present

ENGL 3246 – Early American Literature

ENGL 3256 – Canadian Drama

ENGL 3350 – The American Renaissance

ENGL 3353 – North American Indigenous Literatures

ENGL 3372 – Western Canadian Literature

ENGL 4702 – Select Topics in North American Literature

One class in:

ENGL 2216 – Women's Writing: Voices and Visionaries

ENGL 2291 – Postcolonial Literature I

ENGL 2292 – Postcolonial Literature II

ENGL 3327 – Studies in Women's Literature

ENGL 3353 – North American Indigenous Literatures

ENGL 3390 – African Writing in English

ENGL 4701 – Select Topics in Global Literature

Two classes in:

ENGL 3246 – Early American Literature

ENGL 3306 – History of English Language

ENGL 3312 – Shakespeare: The Earlier Plays

ENGL 3313 – Shakespeare: The Later Plays

ENGL 3323 – Early Medieval Literature

ENGL 3324 – Literature in the Age of Chaucer

ENGL 3330 – Restoration and Early Eighteenth Century Literature

ENGL 3331 – Later Eighteenth Century Literature
 ENGL 3340 – Early Romantic Literature
 ENGL 3341 – Later Romantic Literature
 ENGL 3342 – Early Seventeenth-Century Literature
 ENGL 3343 – Later Seventeenth-Century Literature
 ENGL 3344 – Victorian Realism and Reform
 ENGL 3345 – Victorian Art and Nature
 ENGL 3350 – The American Renaissance
 One class in a Language/Linguistics course*
 Two ENGL classes at the 3000 level or higher
 Two ENGL classes at the 4000 level or higher
 Two additional classes in ENGL at any level**
 12 General Education courses
 11 Elective courses***

* Any language and/or linguistic course can complete this requirement. This includes all courses with the pre-fixes CHIN, FREN, GERM, ITAL, JPNS, SPAN, LING, and ENGL 3306. With the exception of CHIN 2217, FREN 2250, JPNS 2209, SPAN 2219 and SPAN 2220.

** ENGL 1101 and ENGL 0212 can not be used to complete this requirement. FILM 2251 and FILM 3345 can also be used to complete this requirement.

*** Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including ENGL courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix ENGL).

General Education Requirements

Twelve courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – English.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Four courses will be taken at the second tier: one from each of the thematic clusters.
3. Four courses must be taken at the third tier, selected from at least two of the thematic clusters.

MAJOR IN ENGLISH (HONOURS)

Acceptance Criteria

Students may apply to the appropriate department for acceptance into the Honours stream upon successful completion of 20 courses in the Bachelor of Arts program. **Acceptance into the Honours stream is competitive meaning students with higher GPA's will be considered first.** Students must present a minimum Grade Point Average of 3.00 in the last 10 courses completed and identify a research focus that is compatible with the available faculty for mentorship within the department.

Before applying for Honours, students must also have declared a major in the Honours discipline. Students may apply for entrance into Honours between March 1 and May 1 of the academic year in which they have successfully completed 20 courses. Departments/disciplines in which Honours streams are housed will meet to decide on who will be accepted into the Honours stream, based on the number of applications received and the qualifications of the students who have applied. A student who has graduated with a Bachelor of Arts may not apply to enter Honours in the same discipline in which they received the Bachelor of Arts degree.

Continuance Requirements

Students accepted into the Honours BA must maintain a term GPA of 3.00 in each semester. Subject to review by the Chair, students who fail to maintain a term GPA of 3.00, will lose their place in the Honours stream. Students will normally not be permitted to reapply for Honours, and may do so only with the permission of the Chair of their Honours discipline. Students permitted to reapply must follow the procedures for acceptance into the Honours stream, as mentioned above.

There is no guarantee that a student will be re-admitted into the Honours stream. Students completing the Honours stream who have failed to satisfy all the requirements for an Honours degree but who have satisfied all requirements for a BA major degree shall receive a BA major degree upon graduation.

GRADUATION REQUIREMENTS – ENGLISH (HONOURS)

All students must meet the general graduation requirements for the Bachelor of Arts (honours), in addition to the graduation requirements for the English (honours) major.

ENGL 2202 – Theory in English Studies

ENGL 2210 – English Literature to the Eighteenth Century

ENGL 2211 – English Literature from the Eighteenth Century

One class in:

ENGL 1131 – Introduction to Fiction

ENGL 1135 – Introduction to Poetry

ENGL 1137 – Introduction to Dramatic Literature

ENGL 1151 – The Art of Story: An Introduction to Literature

ENGL 1152 – Identity and Invention: An Introduction to Literature

ENGL 2141 – Literature for Young Children

One class in:

CRWT 2264 – Intermediate Creative Writing, Poetry 1: Contemporary Practice

CRWT 2265 – Intermediate Creative Writing, Poetry 2: Poetic Precedents

CRWT 2266 – Intermediate Creative Writing, Fiction 1: Contemporary Practice

CRWT 2267 – Intermediate Creative Writing, Fiction 2: Precedents

ENGL 2205 – Writing about Literature

ENGL 2207 – Intermediate Writing

ENGL 2263 – Technical Writing

Two classes in:

ENGL 2248 – American Literature from 1865 to 1945

ENGL 2249 – American Literature from 1945 to the Present

ENGL 2270 – Canadian Literature to 1914

ENGL 2271 – Canadian Literature from 1914 to the Present

ENGL 3246 – Early American Literature

ENGL 3256 – Canadian Drama

ENGL 3350 – The American Renaissance

ENGL 3353 – North American Indigenous Literatures

ENGL 3372 – Western Canadian Literature

ENGL 4702 – Select Topics in North American Literature

One class in:

ENGL 3266 – Editing: Theory and Practice
 ENGL 3304 – Advanced Writing: Theory, Pedagogy, Practice
 ENGL 3310 – Critical Theory and Cultural Studies
 ENGL 3382 – Textualities/Sexualities
 FILM 3345 – Film Reviewing, Criticism, and Theory

Two classes in:

ENGL 2216 – Women's Writing: Voices and Visionaries
 ENGL 2291 – Postcolonial Literature I
 ENGL 2292 – Postcolonial Literature II
 ENGL 3327 – Studies in Women's Literature
 ENGL 3353 – North American Indigenous Literatures
 ENGL 3390 – African Writing in English
 ENGL 4701 – Select Topics in Global Literature

Two classes in:

ENGL 3246 – Early American Literature
 ENGL 3306 – History of English Language
 ENGL 3312 – Shakespeare: The Earlier Plays
 ENGL 3313 – Shakespeare: The Later Plays
 ENGL 3323 – Early Medieval Literature
 ENGL 3324 – Literature in the Age of Chaucer
 ENGL 3330 – Restoration and Early Eighteenth Century Literature
 ENGL 3342 – Early Seventeenth-Century Literature
 ENGL 3343 – Later Seventeenth-Century Literature

Two classes in:

ENGL 3246 – Early American Literature
 ENGL 3306 – History of English Language
 ENGL 3312 – Shakespeare: The Earlier Plays
 ENGL 3313 – Shakespeare: The Later Plays
 ENGL 3323 – Early Medieval Literature
 ENGL 3324 – Literature in the Age of Chaucer
 ENGL 3330 – Restoration and Early Eighteenth Century Literature
 ENGL 3331 – Later Eighteenth Century Literature
 ENGL 3340 – Early Romantic Literature
 ENGL 3341 – Later Romantic Literature
 ENGL 3342 – Early Seventeenth-Century Literature
 ENGL 3343 – Later Seventeenth-Century Literature

ENGL 3344 – Victorian Realism and Reform
 ENGL 3345 – Victorian Art and Nature
 ENGL 3350 – The American Renaissance

One class in Language/Linguistics*

One ENGL class at the 3000 level or higher

Three ENGL classes at the 4000 level of higher

ENGL 5110 - Honours Seminar**

One additional ENGL class at any level***

Seven Elective courses

12 General Education courses****

* Any language and/or linguistic course can complete this requirement. This includes all courses with the pre-fixes CHIN, FREN, GERM, ITAL, JPNS, SPAN, LING, and ENGL 3306. With the exception of CHIN 2217, FREN 2250, JPNS 2209, SPAN 2219, and SPAN 2220.

** Students must achieve a minimum grade of B in ENGL 5110—Honours Seminar.

*** ENGL 1101 and ENGL 0212 can not be used to complete this requirement. FILM 2251 and FILM 3345 can also be used to complete this requirement.

**** Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including ENGL courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix ENGL).

General Education Requirements

Twelve courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – English (Honours).

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Four courses will be taken at the second tier: one from each of the thematic clusters.
3. Four courses must be taken at the third tier, selected from at least two of the thematic clusters

MAJOR IN HISTORY

The History major in the Bachelor of Arts four-year program is designed to provide students with a broad base of knowledge in Canadian, European, and American History. Students will also have the opportunity to study a variety of other topics such as Film and History, Indigenous History, and Public History. In addition, students will also develop an understanding of the methods of historical research and analysis, and historical reasoning that distinguish History as a branch of knowledge in the Humanities and Social Sciences. Beyond the intrinsic value of historical study, a BA in History prepares students for graduate studies in History and/or careers in areas such as teaching, law, archival studies, international affairs, journalism, and public administration.

Mount Royal's BA in History aims to provide students with the following competencies:

1. foundational knowledge in Canadian, European and/or American History and introduction to a variety of other topics such as Film and History, Indigenous History, and Public History;
2. the ability to locate, read and understand primary and secondary historical sources;
3. an understanding of historical reasoning and analysis;
4. a critical understanding of the nature and diversity of past political, economic, social and cultural institutions;
5. an awareness of the importance of historical context and its relevance to understanding the contemporary world;
6. the ability to formulate and present, both orally and in writing, cogent interpretations of the past.

GRADUATION REQUIREMENTS – MAJOR IN HISTORY

All students must meet the general graduation requirements for the Bachelor of Arts, in addition to the graduation requirements for the History major.

HIST 1100 – Introduction to History

HIST 1101 – Europe to 1500 **or** HIST 1103 – Europe Since 1500

HIST 1117 – America to 1865 **or** HIST 1119 – The United States, 1865 to the Present

HIST 1131 – Canada, Origins to 1867 **or** HIST 1133 – Modern Canada, 1867 to Present

HIST 2202 – The Historian's Craft

Four HIST classes at the 4000 level or higher

Nine additional HIST classes at the 2000 level or higher*

10 General Education courses

12 Electives courses**

*CNST 2233, HUMN 2219, and HUM 2221 may also be used to complete this requirement.

** Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including HIST courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix HIST).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – History.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

MAJOR IN HISTORY (HONOURS)

Acceptance Criteria

Students may apply to the appropriate department for acceptance into the Honours stream upon successful completion of twenty courses in the Bachelor of Arts program. **Acceptance into the Honours stream is competitive meaning students with higher GPA's will be considered first.** Students must present a minimum Grade Point Average of 3.00 in the last 10 courses completed and identify a research focus that is compatible with the available faculty for mentorship within the department.

Before applying for Honours, students must also have declared a major in the Honours discipline. Students may apply for entrance into Honours between March 1 and May 1 of the academic year in which they have successfully completed twenty courses. Departments/disciplines in which Honours streams are housed will meet to decide on who will be accepted into the Honours stream, based on the number of applications received and the qualifications of the students who have applied. A student who has graduated with a Bachelor of Arts may not apply to enter Honours in the same discipline in which they received the Bachelor of Arts degree.

Continuance Requirements

Students accepted into the Honours BA must maintain a term GPA of 3.00 in each semester. Subject to review by the Chair, students who fail to maintain a term GPA of 3.00, will lose their place in the Honours stream. Students will normally not be permitted to reapply for Honours, and may do so only with the permission of the Chair of their Honours discipline. Students permitted to reapply must follow the procedures for acceptance into the Honours stream, as mentioned above.

There is no guarantee that a student will be re-admitted into the Honours stream. Students completing the Honours stream who have failed to satisfy all the requirements for an Honours degree but who have satisfied all requirements for a BA major degree shall receive a BA major degree upon graduation.

GRADUATION REQUIREMENTS – MAJOR IN HISTORY (HONOURS)

All students must meet the general graduation requirements for the Bachelor of Arts (honours), in addition to the graduation requirements for the History (honours) major.

HIST 1100 – Introduction to History

HIST 1101 – Europe to 1500 **or** HIST 1103 – Europe Since 1500

HIST 1117 – America to 1865 **or** HIST 1119 – The United States, 1865 to the Present

HIST 1131 – Canada, Origins to 1867 **or** HIST 1133 – Modern Canada, 1867 to Present

HIST 2202 – The Historian's Craft

HIST 5110 – Honours Project I

HIST 5120 – Honours Project II*

Four HIST classes at the 4000 level or higher

11 additional HIST classes at the 2000 level or higher**

10 General Education courses

Eight Electives courses***

* Students are strongly advised to select a topic for their Honours Project from subject areas in which they have taken a minimum of four courses, at least one at the 4000 level.

** CNST 2233, HUMN 2219, and HUM 2221 may also be used to complete this requirement.

*** Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including HIST courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix HIST).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – History (Honours).

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

MAJOR IN POLICY STUDIES

The Policy Studies major in the Bachelor of Arts four year program is designed to provide students with a solid academic foundation in policy theory, political science, and economics, as well as a semester of work experience. With these two key components, this degree will prepare graduates to embark on further study and/or challenging policy careers in the public, private, and non-profit sectors.

With the Bachelor of Arts, Major in Policy Studies, Mount Royal joins a small number of universities in Canada who offer policy studies at the undergraduate level. The Department of Economics, Justice and Policy Studies at Mount Royal encompasses the disciplines of economics and political science in addition to policy studies. Consequently it was able to build an integrated curriculum with a much better balance between economics and political science than is usually found. Students who graduate from the Bachelor of Arts, Major in Policy Studies program will have the theoretical background and practical skills – quantitative, computer analysis, writing and presentation – to understand the evolving relationships between business, governments, non-governmental organizations and interest groups, (policy communities). Graduates will be able to apply their skills to research, develop and evaluate policy proposals and will be qualified for positions such as management and communications assistants, planning and co-ordination officers and policy and economic analysts in private, public and not-for-profit sectors.

Students will have the opportunity to put theory into practice with a semester-long paid Internship, which is normally taken during the third year of the degree program. Given the increased demand for policy professionals in Alberta and indeed throughout Canada, Mount Royal's innovative BA in Policy Studies makes an exceptionally relevant fit with today's economic, social and political challenges. Graduates of this degree program not only are keenly aware of the challenges our economy and society face; they also possess the knowledge to help address these challenges.

The six principal Policy Studies degree outcomes are as follows:

1. Comprehending policy contexts,
2. Applying analytical and research skills,
3. Behaving professionally,
4. Utilizing policy expertise,
5. Communicating effectively, and
6. Applying theory.

GRADUATION REQUIREMENTS – MAJOR IN POLICY STUDIES

All students must meet the general graduation requirements for the Bachelor of Arts, in addition to the graduation requirements for the Policy Studies major.

ECON 1101 – Principles of Microeconomics

ECON 1103 – Principles of Macroeconomics

ECON 2213 – Intermediate Economic Theory – Macroeconomics

ECON 2244 – Managerial Economics **or** ECON 2211 – Intermediate Economic Theory – Microeconomics

ECON 2255 – Economics of the Public Sector

PLSC 1101 – Introduction to Government and Politics

PLSC 2231 – The Canadian State

PLSC 2259 – Comparative Government and Politics

PLSC 2287 – Introduction to International Relations

POST 2201 – Introduction to Public Policy

POST 2208 – Qualitative Research Methods

POST 2209 – Statistics and Methodology

POST 3303 – Federalism

POST 3305 – Interest Groups and Group Behaviour

POST 3030 – Policy Studies Internship

POST 4421 – International Economic Policy

POST 4431 – Managing and Implementing Public Policy

POST 4443 – Survey of Public and Private Law Principles

POST 5010 – Selected Topics in Policy Studies

POST 5020 – Integrative Professional Practice

10 General Education Courses

Six Elective Courses

Note: Policy Studies Major students must obtain a minimum grade of 2.00 (C) in all core courses.

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – Policy Studies.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

MAJOR IN POLICY STUDIES (HONOURS)

Acceptance Criteria

Students may apply to the appropriate department for acceptance into the Honours stream upon successful completion of twenty courses in the Bachelor of Arts program. **Acceptance into the Honours stream is competitive meaning students with higher GPA's will be considered first.** Students must present a minimum Grade Point Average of 3.00 in the last 10 courses completed and identify a research focus that is compatible with the available faculty for mentorship within the department.

Before applying for Honours, students must also have declared a major in the Honours discipline. Students may apply for entrance into Honours between March 1 and May 1 of the academic year in which they have successfully completed twenty courses. Departments/disciplines in which Honours streams are housed will meet to decide on who will be accepted into the Honours stream, based on the number of applications received and the qualifications of the students who have applied. A student who has graduated with a Bachelor of Arts may not apply to enter Honours in the same discipline in which they received the Bachelor of Arts degree.

Continuance Requirements

Students accepted into the Honours BA must maintain a term GPA of 3.00 in each semester. Subject to review by the Chair, students who fail to maintain a term GPA of 3.00, will lose their place in the Honours stream. Students will normally not be permitted to reapply for Honours, and may do so only with the permission of the Chair of their Honours discipline. Students permitted to reapply must follow the procedures for acceptance into the Honours stream, as mentioned above.

There is no guarantee that a student will be re-admitted into the Honours stream. Students completing the Honours stream who have failed to satisfy all the requirements for an Honours degree but who have satisfied all requirements for a BA major degree shall receive a BA major degree upon graduation.

GRADUATION REQUIREMENTS – MAJOR IN POLICY STUDIES (HONOURS)

All students must meet the general graduation requirements for the Bachelor of Arts (honours), in addition to the graduation requirements for the Policy Studies (honours) major.

1. A minimum grade of 3.00 (B) is required for all courses in the major with the subject code POST. Students who fail to maintain this minimum will lose their place in the Policy Studies Honours program.
2. Policy Studies Honours students must fulfill all General Education requirements as specified for the Bachelor of Arts – Policy Studies degree.
3. Policy Studies Honours students will complete five electives for graduation, instead of the six required for the Policy Studies Major.
4. Students must produce an Honours thesis, the content of which must be approved by the Policy Studies Honours Advisor and the Chair of the Department of Economics, Justice and Policy Studies.
5. The POST 5120 – Honours Thesis will be completed during the student's last semester in the program. Complete information for the Honours Thesis program is provided by the department in the Policy Studies Honours Information Handbook, available at the General Office of the Department of Economics, Justice and Policy Studies (EA 3039).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts - Policy Studies (Honours).

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Interested students should consult the Policy Studies Department's website for more detailed information about the Policy Studies Honours stream.

MAJOR IN PSYCHOLOGY

The Mount Royal BA in Psychology is designed to provide students with a broad base of knowledge in the key areas of the discipline by requiring courses in six core areas. It will also provide an understanding of research processes, the scientific method, and statistical analysis through specific courses in these areas as well as in senior courses that cover this material as it relates to specific topics. Students will also have the opportunity to choose from courses that will enable them to focus on a particular area within the Psychology discipline. The knowledge, skills, and abilities acquired in the BA program can lead students to a variety of career opportunities or to further study in Psychology and related fields.

It is recommended that students who meet the qualifications and who intend to pursue graduate study consider applying to the Honours BA in Psychology. Specific targeted outcomes for the graduates of the program include the following:

1. Knowledge of Psychology
 - a. Students will acquire foundational knowledge in the core areas of Psychology and in those areas in which they choose to focus. This outcome will be achieved through courses at the introductory and senior levels that cover the basic concepts, perspectives, and research findings from the main topic areas in Psychology. The core required areas include developmental Psychology, cognitive Psychology, social Psychology, theories of personality, abnormal behaviour, and biological Psychology.
 - b. Students will develop an understanding of major theoretical perspectives, both historical and current, and will apply their understanding of these perspectives in a variety of content areas.
 - c. Students will acquire the ability to locate, read and understand primary and secondary sources in Psychology, and will be able to communicate with others, both orally and in writing, in the language of the discipline.
2. Research Methods in Psychology

Students will understand and apply basic research methods in Psychology, including research design, data analysis, and interpretation. This goal will be achieved through two required courses in statistics and one in research methods, through optional senior statistics and research-methods courses, through participation in research projects, and through assignments in senior content courses. Students will also demonstrate the ability to design appropriate research strategies and will demonstrate proficiency in data analysis in assessing research results. Students in the Honours program will be expected to achieve a higher level of understanding through participation in senior statistics and research methods courses.
3. Thinking Skills in Psychology

Students will apply critical and creative thinking as well as problem-solving skills to research questions and issues related to behavioural and mental processes. They will develop the ability to recognize and critically examine the assumptions informing Psychology and to assess the credibility and validity of information. Students will have opportunities to apply psychological principles to personal, social, and other real-life issues.
4. Ethics, Values, and Diversity in Psychology

Students will learn to tolerate ambiguity in psychological explanations, to understand the necessity for ethical guidelines in Psychology and act accordingly, and to develop appropriate objectivity and open-mindedness. They will appreciate and respect multicultural and interpersonal diversity.

GRADUATION REQUIREMENTS – MAJOR IN PSYCHOLOGY

All students must meet the general graduation requirements for the Bachelor of Arts, in addition to the graduation requirements for the Psychology major.

PSYC 1103 – Introduction to Psychology I: Natural Science

PSYC 1104 – Introduction to Psychology II: Social Science

PSYC 2210 – Statistical Methods for Psychology I

PSYC 2211 – Statistical Methods for Psychology II

PSYC 2213 – Research Methods I

PSYC 2235 – Life-Span Development

PSYC 2245 – Social Psychology

PSYC 2265 – Cognitive Psychology

PSYC 2275 – Brain and Behaviour

PSYC 2283 – Personality

PSYC 2285 – Introduction to the Psychology of Abnormal Behaviour

Two PSYC classes at the 3000 level or higher

Two PSYC classes at the 4000 level or higher

One additional PSYC class at any level

10 General Education Courses

14 Elective Courses*

* Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including PSYC courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix PSYC).

Note: Psychology Major students must obtain a minimum grade of 2.00 (C) in all core courses (this does not include general education or elective courses).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts - Psychology.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

MAJOR IN PSYCHOLOGY (HONOURS)

Acceptance Requirements

The Psychology Honours stream is highly competitive and is intended to provide advanced preparation in research to exceptional students who are interested in pursuing graduate programs. The core BA in Psychology program requirements are augmented with additional work in specific subject areas such as: the history of Psychology, completing advanced courses in statistics and research methods, taking part in Honours seminars and completing an Honours theses requiring original research.

To apply for admission to the BA Psychology Honours stream the Department of Psychology requires that students have:

1. Completed PSYC 4412 – Advanced Statistical Methods for Psychology – minimum B grade.
2. Completed PSYC 4413 – Research Methods II – minimum B grade.
3. A minimum average GPA of 3.5 across all 2000, 3000 and 4000 level psychology courses, or permission of the Department of Psychology Honours Committee.

Note: Meeting the minimum requirements for admission to the Honours in Psychology stream does not guarantee admission to the program. Application to the Honours in Psychology stream is done via the Psychology Department. Interested students should consult the Psychology Department's website for more detailed information about the Psychology Honours stream.

Continuance Requirements

Students accepted into the Honours in Psychology stream must maintain a minimum average GPA of 3.5 in their 2000, 3000 and 4000 level Psychology courses. To continue in the Honours in Psychology stream a student must conduct a major research project under the direction of a qualified psychology supervisor. Qualified supervisors includes full time tenured, tenure-track and fixed-term faculty members in the Department of Psychology at Mount Royal University.

GRADUATION REQUIREMENTS – MAJOR IN PSYCHOLOGY (HONOURS)

All students must meet the general graduation requirements for the Bachelor of Arts (honours), in addition to the graduation requirements for the Psychology (honours) major.

PSYC 1103 – Introduction to Psychology I: Natural Science

PSYC 1104 – Introduction to Psychology II: Social Science

PSYC 2210 – Statistical Methods for Psychology I

PSYC 2211 – Statistical Methods for Psychology II

PSYC 2213 – Research Methods I

PSYC 2235 – Life-Span Development

PSYC 2245 – Social Psychology

PSYC 2265 – Cognitive Psychology

PSYC 2275 – Brain and Behaviour

PSYC 2283 – Personality

PSYC 2285 – Abnormal Behaviour

PSYC 3305 – History of Psychological Thought

PSYC 4412 – Behavioural Statistics II

PSYC 4413 – Research Methods II

PSYC 5110 – Honours Thesis I

PSYC 5120 – Honours Thesis II

One PSYC class at the 3000 level or higher

Two PSYC classes at the 4000 level or higher

One additional PSYC class at any level

10 General Education courses

10 Elective courses*

* Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including PSYC courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix PSYC).

Note: Psychology (Honours) Major students must obtain a minimum grade of 2.00 (C) in all core courses (this does not include general education or elective courses). While enrolled in PSYC 5110 and PSYC 5120, students are required to conduct a research project under faculty supervision and to write a thesis. Students must present their research results at a Psychology Department undergraduate conference that is held concurrently with PSYC 5120.

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – Psychology (Honours).

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Interested students should consult the Psychology Department's website for more detailed information about the Psychology Honours stream.

MAJOR IN SOCIOLOGY

The Major in Sociology is designed to expand students' sociological imaginations by challenging them to think critically about the ways in which society is created, maintained, and changed. Through courses that explore the historical, philosophical, and theoretical development of the discipline, students will be exposed to the conceptual and methodological tools required to conduct critical and reasoned analyses of all areas of social life from small-scale micro-level social interaction to large-scale macro-level social institutions. Sociology at Mount Royal focuses on the study of social power and inequality, on exposing the ways in which interlocking systems of domination shape and define the individual and the collective social condition and on strategies of social resistance to that domination. Apart from the intrinsic value of learning to think critically about the taken-for-granted world, a BA in Sociology helps prepare students for graduate school and/or a wide range of careers in areas such as independent research, social services, community advocacy, and teaching.

Mount Royal's BA in Sociology aims to provide students with the following competencies:

1. A sociological imagination and an intimate familiarity with core Sociology concepts in order to examine critically the taken-for-granted world.
2. The ability to locate, read and critically analyze primary and secondary sociological sources (theoretical and empirical).
3. Knowledge of the use of social theory in Sociology and a familiarity with the central sociological perspectives.
4. An understanding of all of the components of the research process both qualitative and quantitative.
5. An understanding of how social life is structured by inequality and shaped by factors such as social class, gender, race/ethnicity, sexuality, and subcultural membership.
6. An understanding of the interaction between individuals, and historical, cultural, and social forces.

GRADUATION REQUIREMENTS – MAJOR IN SOCIOLOGY

All students must meet the general graduation requirements for the Bachelor of Arts, in addition to the graduation requirements for the Sociology major.

SLGY 1101 – Introduction to Sociology

SLGY 2131 – Classical Sociological Theory

SLGY 2232 – Introduction to Sociological Research Methods

SLGY 3321 – Quantitative Methods

SLGY 3323 – Qualitative Research Methods

SLGY 3333 – Contemporary Social Theory

One class in:

SLGY 2233 – Sociology of Gender

SLGY 2265 – Social Stratification and Inequality

SLGY 2275 – Theories of "Race" and Ethnicity

Two SLGY classes at the 2000 level

Three SLGY classes at the 3000 level or higher

Two SLGY classes at the 4000 level

One additional SLGY class at the 2000 level or higher

One additional SLGY class at any level

10 General Education courses

14 Elective courses*

* Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including SLGY courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix SLGY).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts – Sociology.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

MAJOR IN SOCIOLOGY (HONOURS)

Acceptance Criteria

Students may apply to the appropriate department for acceptance into the Honours stream upon successful completion of twenty courses in the Bachelor of Arts program. **Acceptance into the Honours stream is competitive meaning students with higher GPA's will be considered first.** Students must present a minimum Grade Point Average of 3.30 in the last 10 courses completed and identify a research focus that is compatible with the available faculty for mentorship within the department.

Before applying for Honours, students must also have declared a major in the Honours discipline. Students may apply for entrance into Honours between March 1 and May 1 of the academic year in which they have successfully completed twenty courses. Departments/disciplines in which Honours streams are housed will meet to decide on who will be accepted into the Honours stream, based on the number of applications received and the qualifications of the students who have applied. A student who has graduated with a Bachelor of Arts may not apply to enter Honours in the same discipline in which they received the Bachelor of Arts degree.

Continuance Requirements

Students accepted into the Honours BA must maintain a term GPA of 3.30 in each semester. Subject to review by the Chair, students who fail to maintain a term GPA of 3.30, will lose their place in the Honours stream. Students will normally not be permitted to reapply for Honours, and may do so only with the permission of the Chair of their Honours discipline. Students permitted to reapply must follow the procedures for acceptance into the Honours stream, as mentioned above.

There is no guarantee that a student will be re-admitted into the Honours stream. Students completing the Honours stream who have failed to satisfy all the requirements for an Honours degree but who have satisfied all requirements for a BA major degree shall receive a BA major degree upon graduation.

GRADUATION REQUIREMENTS – MAJOR IN SOCIOLOGY (HONOURS)

All students must meet the general graduation requirements for the Bachelor of Arts (honours), in addition to the graduation requirements for the Sociology (honours) major.

SLGY 1101 – Introduction to Sociology

SLGY 2131 – Classical Sociological Theory

SLGY 2232 – Introduction to Sociological Research Methods

SLGY 3321 – Quantitative Methods

SLGY 3323 – Qualitative Research Methods

SLGY 3333 – Contemporary Social Theory

SLGY 5110 – Honours Research I

SLGY 5120 – Honours Seminar II

Three SLGY classes at the 2000 level

Three SLGY classes at the 3000 level or higher

Two SLGY classes at the 4000 level

Three additional SLGY class at the 2000 level or higher

One additional SLGY class at any level

10 General Education courses

10 Elective courses*

* Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including SLGY courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix SLGY).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts - Sociology (Honours).

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

BACHELOR OF ARTS — CRIMINAL JUSTICE

GENERAL INFORMATION

The Bachelor of Arts – Criminal Justice is a four year baccalaureate degree program. The curriculum for the degree educates students in six program areas including: Foundations in Justice Studies, Human Relations, Human Justice, Criminological Literacy, Experiential Learning and General Education. This program provides professional preparation for students wishing to pursue careers such as Law Enforcement, Canadian Border Services, Immigration Canada, Federal, Provincial and Community Corrections and Probation/Parole. As well, the Bachelor of Arts – Criminal Justice will prepare students for a range justice-related careers outside of law enforcement and corrections. The Honours stream in the Bachelor of Arts – Criminal Justice is unique in Alberta. Students in the Honours stream will develop enhanced knowledge and skills that are particularly suited for preparation to apply for graduate study in criminology/criminal justice and law school.

Continuance in the Program

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.

Opportunities for Further Study

The Bachelor of Arts – Criminal Justice degree, and the Honours stream, do not guarantee either eligibility for, or admission into, graduate studies or law school. Graduates must meet the individual universities' admission requirements in a competitive process. However, past graduates of Mount Royal's justice-related undergraduate degree have earned admission into several justice-related Master of Arts degrees and law schools across Canada. Students considering graduate school or law school are encouraged to investigate their postgraduate educational plans with an academic advisor at the institution in which they are seeking to enrol.

Police Security Clearance

In order to graduate with the Bachelor of Arts – Criminal Justice degree, students may complete a practicum course in a justice-related agency. In some cases, agencies may require students to provide proof of a police information check prior to commencing the course. All costs related to the police information check are the responsibility of the student. Refer to the statement regarding police information and other background checks in this calendar.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Arts – Criminal Justice program:

- English Language Arts 30-1 – 60%
- Mathematics 30-1 or 30-2

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.

Indigenous Student Admission

Each year 10% of the seats in the Bachelor of Arts – Criminal Justice program will be reserved for Indigenous applicants through an Indigenous admission target.

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

- a. self-identify as an Indigenous applicant on the Application for Admission
- b. meet the definition of an Indigenous Applicant
- c. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission period. 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.

GRADUATION REQUIREMENTS

The foundation of the Bachelor of Arts – Criminal Justice degree includes twenty-one required core courses, ten General Education courses, and six Electives, for a total of thirty-seven courses over four years.

CRJS 1001 – Introduction to Criminology
 CRJS 1003 – Introduction to the 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 in Justice Studies
 CRJS 3001 – Quantitative Research Methods and Data Analysis
 CRJS 3005 – Qualitative Research Methods
 CRJS 3007 – Professional Ethics in Criminal Justice
 CRJS 3009 – Crisis Intervention Strategies
 CRJS 3011 – Criminal Law
 CRJS 4001 – Canadian Charter Rights and Civil Liberties
 CRJS 4003 – Criminological Theory
 CRJS 5025 – Criminal Justice Capstone Practicum
 PLSC 2243 – Law, Politics and the Judicial Process

Three 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 2017 – Corporate and White Collar Crime
 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 the Canadian Criminal Justice System
 CRJS 4401 – Indigenous People and the Canadian Criminal Justice System
 10 General Education Courses
 6 Electives*

* Students are eligible to choose any 3-credit university-level course to complete an elective requirement, including CRJS courses that are not already fulfilling a major requirement. Students should be aware that no more than 24 courses within one discipline will be counted towards their degree (e.g. no more than 24 courses with the course prefix CRJS).

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Arts - Criminal Justice.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Practica

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 280 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

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

Students must complete a Department application for acceptance into the Honours stream as part of acceptance requirements. The application process generally occurs once the student has successfully completed 25 courses in the Bachelor of Arts – Criminal Justice degree. Intake to the BA – CJ (Hons) occurs in the 1st term of the 3rd year and the seminar is delivered in the 2nd term of the 3rd year.

Students must also meet the following requirements:

- The entry requirement includes a 3.3 cumulative GPA with a GPA of 3.5 in Justice courses.
- Written sponsorship of a full-time tenured or tenure-track instructor in the Department of Economics, Justice and Policy Studies indicating a willingness to act as the student's Honours project advisor.

GRADUATION REQUIREMENTS – HONOURS CURRICULUM

The foundation of the Bachelor of Arts – Criminal Justice degree (Honours) includes 20 required core courses, two criminal justice option courses, ten General Education courses and six Electives, for a total of thirty-eight courses over four years.

The 20 required core courses in the Bachelor of Arts – Criminal Justice (Honours) degree consists of the same courses as those previously listed for the Bachelor of Arts – Criminal Justice with the following exceptions:

In place of CRJS 5025 – Criminal Justice Capstone Practicum, students in the Honours Stream must complete:

CRJS 5001 – Honours Seminar

CRJS 5010 – Honours Research Project I

CRJS 5020 – Honours Research Project II

All students in the Bachelor of Arts – Criminal Justice (Honours) must complete two of the criminal justice option courses listed previously under the Practicum Stream.

GRADUATION REQUIREMENTS

To be eligible for graduation, students must satisfactorily complete all degree program requirements and coursework. Students must achieve a minimum overall GPA of 2.00 to be eligible for graduation.

Students must follow the graduation application procedure outlined in the current Mount Royal Calendar. Applications must be submitted by the date published in the Calendar.

BACHELOR OF INTERIOR DESIGN

GENERAL INFORMATION

The Bachelor of Interior Design (BID) is a full-time, four-year baccalaureate degree. This distinctive integrated program will develop the theoretical and practical foundation for creative and critical design thinking skills necessary for working with clients and stakeholders in the practice of interior design. Program course work will develop the background knowledge and professional skills required to carry out the duties and responsibilities of an interior designer. The BID degree balances the core required interior design courses with a strong foundation in liberal arts established through ten General Education courses. Program course work normally extends over eight semesters with a required 450 hour industry Internship at the end of the sixth semester.

The Bachelor of Interior Design program consists of three core areas/streams of study (Design + Precedent, Systems, Design Tools) and a studio. The core areas establish a foundation in design related: knowledge, theory, research, problem solving, collaboration, and professional practice as well as necessary manual and technological skills. Studio is where students apply the core area knowledge in the term through interactions with faculty and peers on project work.

Design + Precedent

- Establishes the theoretical and practical basis for understanding, researching and designing spaces for people through engaged design thinking and process.

Design Tools

- Establishes the oral, manual, technical and professional design knowledge, techniques and skills used to explore, express and communicate project work (e.g. sketching, drawing, construction documentation, graphics, and business).

Systems

- Establishes the building systems necessary to construct human environments and includes topics such as: structural principles; fundamental building systems (e.g. structures, light, heat, ventilation); building codes, by-laws and regulations; sustainable design principles; and materials.

Studio

- Applies the knowledge and skills from the core areas of study in the semester.
- Integrates design thinking and making.
- Explores studio theme/focus (e.g. space + experience) through a series of projects, students experiment, and practice their understanding of content taught in the core areas of study.

The Bachelor of Interior Design degree is built upon the very successful CIDA accredited Bachelor of Applied Interior Design degree delivered at Mount Royal since 1996. The BID maintains elements of the applied degree such as integrating hand sketching and drawing with technology to develop solid ideation and communication skills. In addition, knowledge and abilities have been expanded to ensure that students develop a broad range of design related theory, knowledge, research and skills required in professional practice as well as preparing students for study at a graduate school level. The BID degree is designed to meet or exceed the 2014 Professional Standards established by the Council for Interior Design Accreditation (CIDA).

Graduates of the BID degree will be eligible to write the National Council for Interior Design Qualification (NCIDQ) Interior Design Fundamentals Exam (IDFX). The second and final exam for professional certification is the NCIDQ Interior Design Professional Exam (IDPX). This exam can be written upon successful completion of the Fundamental exam and specific practice experience and knowledge this normally requires 2-3 years of full-time employment in interior design. Successful completion of these exams normally provides the Interior Designer with the professional NCIDQ certification required to become a Registered Interior Designer through the Interior Designers of Alberta (IDA) or an Intern Licensed Interior Designer through the Alberta Association of Architects (AAA). The NCIDQ certification is required to become Registered Interior Designer in all Provincial Interior Design Associations in Canada.

Graduates of the Bachelor of Interior Design degree will be highly qualified for direct employment in a variety of areas in professional practices (e.g. interior design or architectural firms; home builders or developers; facility management – oil & gas, civic, health care, airport authority; project management; theatre/set design; manufacturer's representative; sales, etc.).

Although the Bachelor of Interior Design program is designed primarily for entry into professional practice, graduates will also be qualified to apply to graduate programs for further study. Students of the BID degree who are interested in advanced study upon graduation are encouraged to discuss their post-graduate education plans with an academic advisor at Mount Royal or the institution in which they are seeking enrolment.

Internship

The one zero-credit internship is designed to provide an extension of the learning process in a relevant work environment. This internship is offered in the spring/summer term at the end of semester six. The internship consists of 450 hours of paid work experience with an employer in an industry related area.

Given the fluctuating nature of the Calgary labour market, opportunities for work experience can be located locally, provincially, nationally or internationally. Students should be prepared to relocate and to receive intern or entry-level compensation.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Interior Design program:

- English Language Arts 30-1 – 65%
- Mathematics 30-1 or 30-2 – 50%

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.

Additional Criteria

Competitively qualified applicants who meet the academic requirements for admission must complete the department *directed portfolio*. The portfolio includes:

- hand drawing and composition components
- in-person discussion of an identified design topic

The directed portfolio submissions are used in conjunction with the academic requirements to evaluate and determine program admission.

Admission on the Basis of Transfer from a Recognized School of Interior Design

Admittance into the program is determined based on available seats in the potential transfer year into the Bachelor of Interior Design program.

Applicants seeking admission on this basis must apply through the standard Mount Royal Admissions process and meet the Mount Royal and BID admission requirements. Qualified applicants who have received an Offer of Admission into the interior design program and wish to have previous interior design courses considered for transfer credit should refer to the timelines associated with the evaluation of specific courses for the purpose of transfer equivalency/credit. In addition, a portfolio of student work and course outlines must be provided upon confirmation of admission into the program to determine if there is any equivalency.

Interior Design Technology (IDT) diploma graduates from Alberta IDT programs, are eligible to apply for admission into the BID degree and receive applicable transfer credit in identified core courses with a minimum grade of C+. Admission for IDT graduates is competitive and will be based on the competitive admission average for available seats. IDT students are advised to meet with their institutional Academic Advisor to review the course Transfer Credit agreement.

Re-admission following an Absence

All interior design students who have exceeded the allowable institutional absence as stated in the section Re-admission Following an Interruption of Program, regardless of the reason for returning to the program after an absence, must follow the standard admission procedures and timelines for re-admission. In addition, returning students must provide a *Letter of Intent to Continue*, identifying the intended semester of return to the program, to the Chair of the Department of Interior Design on or before February 1.

In addition to meeting the institutional requirements for re-admission, decisions regarding readmission to the BID program are also based on the available seats in the course/semester requested.

Application Deadline: February 1

The application for admission and all supporting documents (required for admission assessment) must be received by this date.

Continuance in the Program

All core interior design courses in a term are prerequisites for the core courses in the next term. Students who do not successfully complete one or more core interior design courses in a semester, with a minimum final grade of "C" (2.00), are unable to continue to the next semester. The student will need to retake and successfully complete the course(s) the next year it is available. This grade requirement does not apply to the required general education courses or electives.

CURRICULUM

The Bachelor of Interior Design requires students to complete a total of 120 credits (the equivalent of 40-three credit courses). The program of study is prescriptive, students must successfully complete all core courses in the term with a final grade of C or higher in order to continue to the subsequent term. The program of study includes eight semesters of courses plus one (450 hours) Internship with a design-related industry employer.

Year One

DEST 1101 – Design History

INDS 1141 – Studio 1: Space + Experience

INDS 1142 – Design + Precedent 1

INDS 1144 – Design Tools 1

INDS 1241 – Studio 2: Inhabitation

INDS 1242 – Design + Precedent 2

INDS 1243 – Systems 2

INDS 1244 – Design Tools 2

General Education requirement, Cluster 1 (recommended), Foundation level

General Education requirement, Cluster 4, Foundation level,

ENGL 1101/1401, 1403, or 1404

Year Two

INDS 2141 – Studio 3: Spatial Connectivity

INDS 2142 – Design + Precedent 3

INDS 2143 – Systems 3

INDS 2144 – Design Tools 3

INDS 2241 – Studio 4: The Collective

INDS 2242 – Design + Precedent 4

INDS 2243 – Systems 4

INDS 2244 – Design Tools 4

General Education requirement, Cluster 2 (recommended), Foundation level

General Education requirement, Cluster 2 (Art History course recommended), Tier 2

Year Three

DEST 3201 – Design + Material Culture

INDS 3141 – Studio 5: Context

INDS 3142 – Design + Precedent 5

INDS 3143 – Systems 5

INDS 3144 – Design Tools 5

INDS 3241 – Studio 6: Transformations

INDS 3242 – Design + Precedent 6

INDS 3244 – Design Tools 6

INDS 3345 – Internship (zero-credit, 450 hours required) spring/summer

General Education requirement, Cluster 3 (recommended), Foundation level

General Education requirement, Cluster 2 (Art History course recommended), Tier 3

Year Four

INDS 4141 – Studio 7: Investigation

INDS 4142 – Design + Precedent 7

INDS 4143 – Systems 7

INDS 4245 – Professional Practice

INDS 5241 – Studio 8: Integration

General Education requirement, Cluster 1, 3 or 4 (recommended), Tier 2

General Education requirement, Cluster 1, 3 or 4 (recommended), Tier 2

General Education requirement, Cluster 1, 3 or 4 (recommended), Tier 3

General Education requirement, Cluster 1, 3 or 4 (recommended), Tier 3

Elective*

General Education Requirements

Four courses at the Foundation tier

- one from each of the four thematic cluster areas in General Education
- it is recommended that students take ENGL 1101/GNED 1401, GNED 1403 or GNED 1404 (Cluster 4) in the first semester of the program
- Six courses at the second and third tiers
- two Art History courses (Cluster 2, one Tier 2 and one Tier 3)
- two courses from two of the thematic Clusters 1, 3 or 4 in Tier 2
- two courses from two of the thematic Clusters 1, 3 or 4 in Tier 3

See program/academic advisor for additional information.

Elective

One university-level three-credit course of the student's choosing without restriction.

GRADUATION REQUIREMENTS

Completion of all 29 core interior design program courses (Interior Design – INDS and Design Studies – DEST) with a minimum final grade of C in each core course and a “Pass” in the non-credit Internship (INDS 3345). Students must also complete 10 General Education courses and one elective. An overall minimum of 40 courses and 120 credits are required for the Bachelor of Interior Design degree.

For *Restrictions and Interpretations* concerning the program requirements for English, Elective, and General Education courses, refer to the section entitled *General Graduation Requirements*.

FACULTY OF BUSINESS AND COMMUNICATION STUDIES

PROGRAMS OFFERED

BISSETT SCHOOL OF BUSINESS

Degrees:

Bachelor of Business Administration

Accounting

General Management

Concentration in Financial Analysis

Concentration in Financial Services

Concentration in Innovation and Entrepreneurship

Concentration in International Business

Concentration in Social Innovation

Concentration in Supply Chain Management

Human Resources

Marketing

Honours:

Accounting

General Management

Human Resources

Marketing

Degree Minors:

Business and Society

Innovation and Entrepreneurship

Business of Sport and Recreation

International Business

Finance

International Business and Economics

Finance and Economics

Marketing

Financial Services

Social Innovation

Human Resources

Supply Chain Management

Diplomas:

Aviation

SCHOOL OF COMMUNICATION STUDIES

Degrees:

Bachelor of Communication

Broadcast Media Studies

Information Design

Journalism

Public Relations

Certificates:

Certificate of Achievement – International Communication

BACHELOR OF BUSINESS ADMINISTRATION

GENERAL INFORMATION

The Bachelor of Business Administration (BBA) program is designed to prepare students to be successful in the commercial, nonprofit, and public sectors of the Canadian and global economy, while being engaged citizens in their communities. The BBA is primarily designed to prepare students for immediate employment upon graduation. The BBA may also be considered sufficient preparation for admission to appropriate and relevant professional accreditation programs as well as graduate degrees offered by many Canadian and international universities. Students wishing to pursue a graduate degree are advised to verify the admission requirements for entry into graduate programs, and to determine whether their baccalaureate degree would fulfill those requirements.

BBA students will have the opportunity to specialize in one of four majors, including Accounting, Human Resources, and Marketing. We also offer a General Management major which allows students to specialize in other fields of business, including Financial Analysis, Financial Services, Innovation and Entrepreneurship, International Business, Social Innovation and Supply Chain Management. Students may also use the General Management major to pursue minors in areas of study offered outside of the Bissett School of Business.

Each major incorporates the study of the business disciplines of general management, accounting, marketing, human resources, entrepreneurship, finance, law, operations management, international business, business communication, organizational behaviour, and strategic management, in addition to fulfilling the General Education components required of all Mount Royal baccalaureate students.

Co-operative Education Option

Mount Royal stresses the importance of experiential education in all academic curricula. Accordingly, we offer all students enrolled in the BBA program the opportunity to pursue most majors, concentrations, and minors in 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 Co-operative Education and Work-Integrated Learning Canada (CEWIL).

Co-operative Education Fees

A half course fee is assessed for the Orientation to Co-operative Education course prior to the first work-term. Fees for each Co-operative Education work term are assessed thereafter on a course-by-course basis. These fees must be paid or notice of financial assistance provided by the fee deadline for the semester in which the placement occurs.

Business Graduate Entrance Option

Students possessing a completed two-year business diploma, or applied business degree, or four year business baccalaureate from any accredited post-secondary institution in Canada may apply to enter the BBA. Students accepted with a post-secondary diploma, applied degree, or baccalaureate will normally receive transfer credit for up to 60 credits (20 courses) towards the BBA. Other advanced business credentials may also be accepted.

Post-Secondary Entrance Option

Students who possess previous post-secondary credit but have not completed a two-year business diploma, applied degree, or four year business baccalaureate will be assessed on a course-by-course basis. Please consult an Advisor for details.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or their equivalencies) with the specified minimum grades are required for admission into the Bachelor of Business Administration program:

- English Language Arts 30-1 – 60%
- Mathematics 30-1 or 30-2 – 60%

or successful completion of a two-year business diploma, applied degree or four-year business baccalaureate from an accredited post-secondary institution.

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 into the program.

Indigenous Student Admission

Each year 7% of the admission seats in the Bachelor of Business Administration program will be reserved for Indigenous students through an Indigenous admission target.

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

- self-identify as an Indigenous applicant on the Application for Admission.
- meet the definition of an Indigenous Applicant.
- meet the minimum admission requirements as indicated in the General Admission requirements for Mount Royal University as well as the specific admission requirements for the Bachelor of Business Administration.

Designated seats for this special consideration target will be filled by Indigenous applicants on a competitive basis. Applicants are encouraged to apply during the Early Admissions period. 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.

Declaration of Major

There are four majors in the Bachelor of Business Administration: Accounting, Human Resources, Marketing, and General Management.

Each major in the BBA includes 10 courses chosen by the student from a list of approved courses specific to their major. Certain majors are designed to meet external accreditation requirements. Students are strongly advised to consult their Advisor before choosing their major and elective courses.

Minors in the Bachelor of Business Administration

All students enrolled in the BBA may pursue a minor offered by any Faculty/School/Centre at Mount Royal University. To receive a minor, a student must meet the specific minor requirements of that Faculty/School/Centre. Refer to the Minors section of this Calendar.

CURRICULUM

Bachelor of Business Administration

The foundation of the BBA includes sixteen required core business courses, 10 major courses, 10 General Education* courses, and four electives, for a total of 40 courses over four years.

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

The 16 required core business courses in the BBA consist of the following:

One of:

ENTR 2301 – Innovation and the Entrepreneurial Experience
 MGMT 2130 – Management Principles & Practices
 SINV 2201 – Introduction to Social Innovation

All of:

ACCT 2121 – Financial Accounting Concepts
 ACCT 3224 – Management Accounting I
 ECON 1101 – Principles of Microeconomics
 ECON 1103 – Principles of Macroeconomics
 ENTR 4433 – Business Plan Development
 FNCE 3227 – Introduction to Finance
 HRES 2170 – Introduction to Human Resources
 INBU 3301 – Global Business Environment
 LSCM 3403 – Operations Management
 MGMT 2262 – Business Statistics I

MGMT 3210 – Business Communication Theory & Practice

MGMT 3230 – Business Law

MGMT 3276 – Organizational Behaviour

MGMT 5333 – Strategic Management

MKTG 2150 – Introduction to Marketing

BACHELOR OF BUSINESS ADMINISTRATION – ACCOUNTING MAJOR

The Bachelor of Business Administration – Accounting Major is designed to ensure that graduates acquire a comprehensive range of accounting and related business knowledge and skills. The degree prepares students for careers as professional accountants in corporate enterprises and public institutions.

Mount Royal accounting instructors, with their academic and industry experience, provide solid accounting core courses to support and encourage those students interested in pursuing the Chartered Professional Accountant (CPA) designation.

Students completing the BBA – Accounting program are prepared for direct entry to the CPA Professional Education Program (PEP).

The BBA – Accounting program also includes a Co-operative Education option.

All Bachelor of Business Administration – Accounting students must complete the following 10 major courses as part of their requirements:

ACCT 3220 – Financial Accounting Practices

ACCT 3221 – Intermediate Accounting I

ACCT 3228 – Management Accounting II

ACCT 4222 – Intermediate Accounting II

ACCT 4225 – Principles of Auditing

ACCT 4280 – Introduction to Personal & Corporate Income Tax

ACCT 4381 – Advanced Financial Accounting

ACCT 4382 – Advanced Managerial Accounting

ACCT 5370 – Advanced Topics in Accounting

MGMT 3265 – Management Information Systems

Students intending to pursue the PEP post-graduation need to make themselves aware of the CPA student academic achievement requirements for prerequisite learning for entrance into the PEP program. These academic requirements can be found by visiting the CPA Alberta website.

BACHELOR OF BUSINESS ADMINISTRATION – GENERAL MANAGEMENT MAJOR

The Bachelor of Business Administration – General Management major is designed to offer students flexibility in program design and transferability. Students pursuing a General Management major may choose from a variety of business courses with the intention of obtaining a general business education. In addition to the 16 required core business courses, student may choose any 10 courses offered by the Bissett School of Business. These may include Accounting, Entrepreneurship, Finance, Human Resources, International Business, Marketing, Social Innovation, Supply Chain Management, and Aviation. Students may also choose other courses from outside the Bissett School of Business. Students are strongly advised to consult an Advisor before choosing courses in the completion of a General Management major.

Students enrolled in the General Management major have the option to pursue a minor (refer to the Minors section of this calendar) or to complete one of the six concentrations in Financial Analysis, Financial Services, Innovation and Entrepreneurship, International Business, Social Innovation or Supply Chain Management as follows:

Concentration in Financial Analysis

The concentration in Financial Analysis is designed to provide graduates with a comprehensive grounding in analytical finance, through a combination of theory and application. This concentration develops analytically oriented finance professionals who will apply their knowledge of financial theory, domestic and international financial markets, investments and advanced corporate finance, together with analytical tools such as advanced modeling and financial data management systems, to excel in the fast paced world of finance. This dynamic concentration prepares students for financial careers in industry, banking, asset management, investment banking, securities trading and other analytically oriented roles.

Students completing this concentration are well prepared to pursue a Chartered Financial Analyst® (CFA) designation upon graduation. The BBA – General Management Major, Financial Analysis concentration also includes a Co-operative Education option.

The concentration in Financial Analysis consists of 10 courses, six of which are required courses and four of which are chosen from a list of options.

Required six courses:

FNCE 3228 – Advanced Corporate Finance
 FNCE 3302 – International Finance
 FNCE 4407 – Investments and Portfolio Management
 FNCE 4408 – Financial Risk Management
 FNCE 4409 – Securities Analysis and Valuation
 FNCE 5010 – Advanced Topics in Finance

Four of the following option courses:

ACCT 3220 – Financial Accounting Practices
 ACCT 3221 – Intermediate Accounting I
 ECON 3395 – Introduction to Applied Econometrics
 FNCE 3304 – Business and Financial Modeling
 FNCE 3399 **or** FNCE 4499 – Directed Readings
 MGMT 2263 – Business Statistics II
 MKTG 3150 – The Science of Persuasion

Concentration in Financial Services

The concentration in Financial Services is designed to provide graduates with a thorough education in both the principles and practices of financial services supplemented with a broad knowledge of the general principles of investments and the corporate finance function. This concentration educates financial services professionals who not only have an understanding of all financial functions and markets, but are firmly oriented towards practical application, for a career in a variety of financial services roles. This dynamic, diverse and comprehensive concentration can be applied to opportunities in banking, financial planning, investment management or insurance careers.

After completion of all courses, students are prepared to write the examinations leading to the Certified Financial Planner® (CFP) designation. The BBA – General Management Major, Financial Services concentration also includes a Co-operative Education option.

The concentration in Financial Services consists of 10 courses, eight of which are required courses and two of which are chosen from a list of options.

Required eight courses:

FNCE 3201 – Retirement Planning
 FNCE 3203 – Income Tax Planning
 FNCE 3205 – Strategic Investment Planning
 FNCE 3207 – Risk Management and Estate Planning
 FNCE 3228 – Advanced Corporate Finance
 FNCE 3302 – International Finance
 FNCE 4407 – Investments and Portfolio Management
 FNCE 5010 – Advanced Topics in Finance

Two of the following option courses:

FNCE 3304 – Business and Financial Modeling
 FNCE 3399 **or** FNCE 4499 – Directed Readings
 FNCE 4408 – Financial Risk Management
 FNCE 4409 – Securities Analysis and Valuation
 MKTG 3150 – The Science of Persuasion

Concentration in Innovation and Entrepreneurship

The concentration in Innovation and Entrepreneurship is designed to graduate curious and entrepreneurial minds who are innovative drivers of business development in dynamic, growth oriented companies that they join or start. This experiential program will go beyond teaching mind-set and business models, to executing product and business development strategies for the commercialization of innovative ideas. The Entrepreneurship concentration prepares graduates to either join an organization in a customer-facing role with unlimited potential or start their own business.

In addition to supporting students to start their own ventures following graduation, the Entrepreneurship concentration prepares graduates for careers across small and medium growth oriented enterprises in a variety of positions including: business development, sales, product development and product management.

The BBA – General Management Major, Innovation and Entrepreneurship concentration also includes a Co-operative Education option.

Required seven courses:

COMP 1207 – Intro to CIS for Business and Entrepreneurs
 ENTR 3302 – Creativity for Entrepreneurial Practice
 ENTR 3305 – Art of the Pitch
 ENTR 3350 – Navigating and Spearheading Product Launch
 ENTR 3360 – Enabling Technology for Innovators
 ENTR 4420 – DNA of Buying, Selling and Business Development
 ENTR 4343 – Growing the Enterprise

Three of the following option courses:

- ENTR 3370 – Innovation, Society and Enterprise
- ENTR 3730 – Special Topics
- ENTR 4332 – Venture Launch
- ENTR 4344 – Corporate Innovation and Entrepreneurship
- LSCM 3407 – Business Negotiations/Project Management
- SINV 3305 – Agents of Social Change
- Any 3000-level MKTG course
- Any 3000-level COMM course

Note on BBA Core: ENTR 2301 – Innovation and the Entrepreneurial Experience (BBA Core) is a prerequisite to ENTR 3350 – Navigating and Spearheading Product Launch.

Concentration in International Business

The concentration in International Business is designed to prepare students to operate and compete in the global business environment. Through a combination of theory and application students will develop an in-depth knowledge of global trade, cross cultural management, international supply chain management, methods to enter foreign markets, international management, international marketing, international finance, and international trade management. In addition, students may take advantage of international field schools and exchange opportunities (facilitated by MRU's AIESEC and International Education office). The International Business concentration is comprehensive and highly relevant, as the business world becomes progressively more globalized.

In the completion of these international business courses, students have an opportunity to earn a Forum for International Trade Training (FITT) diploma. The FITT's partnership with Mount Royal University brings students one step closer to receiving a 2- for-1 educational credentials and advanced standing toward the Certified International Trade Professional, a globally recognized designation.

The concentration in International Business consists of 10 courses, seven of which are required courses and three of which are chosen from a list of options.

Required seven courses:

- INBU 2201 – Cross Cultural Management
- INBU 3302 – International Marketing
- INBU 3304 – Global Supply Chain Management
- INBU 3305 – International Market Entry Strategies
- INBU 3307 – International Trade Law
- INBU 3901 – Doing Business in Emerging Markets
- INBU 4408 – International Trade Management

Three of the following option courses:

- CNST 2233 – Canada in Comparative and International Perspective
- FNCE 3302 – International Finance
- LSCM 3407 – Business Negotiations/Project Management
- INBU 2299 **or** INBU 3399 – Directed Readings*
- INBU 3306 – International Trade Research
- INBU 3730 – Special Topics in International Business
- Any Language course (up to one language course)

* No more than one Directed Readings course in a single discipline can be used for graduation purposes.

Concentration in Social Innovation

The concentration in Social Innovation is designed to provide graduates with a clear practice to lead, design, and execute high impact, transformative change in our communities. Empathy, creativity, consent, and courage form the bedrock of the science of social change and can be applied whether graduates envision joining the commercial sector in a values-driven organization, plan to participate in the public or civic sector, develop a new to world social innovation or enterprise that addresses a persistent systemic problem, or engage at the forefront of reconciliation and resurgence in First Nations, Métis and Inuit communities across Canada.

The concentration in Social Innovation consists of 10 courses, eight of which are required courses and two of which are chosen from a list of options.

Required eight courses:

- SINV 2205 – Social Innovation through Historical Case Study
- SINV 3203 – Facilitating Social Innovation
- SINV 3303 – Storytelling & Systems
- SINV 3305 – Agents of Social Change
- SINV 4401 – Civic Innovation
- SINV 4402 – Human Centred Design for Social Impact
- SINV 5405 – Social Innovation Strategy & Action
- SINV 5010 – Social Enterprising

Two of the following option courses:

- ENTR 3370 – Society, Innovation and Enterprise
- INTS 3331 – International Community Development
- MGMT 4403 – Environmental Management & Sustainable Development
- MGMT 4407 – Governance and Ethical Issues in Organizations
- PLSC 1101 – Introduction to Government & Politics
- PLSC 1123 – Canadian Political Issues
- PLSC 2298 – Politics and the Media
- SINV 3730 – Special Topics in Social Innovation
- SLWK 2221 – Community Development

Concentration in Supply Chain Management

The concentration in Supply Chain Management is designed to educate students on trends in globalization, international trade and the growing need for businesses to develop more effective processes to create and distribute products and services.

The Supply Chain Management program includes management of the flow and transportation of goods and services from materials and inputs through to the consumer. The curriculum explores production planning, logistics management, purchasing, inventory management, material handling, transportation, enterprise resource planning, and global logistics.

Course credits are recognized for credit towards the Supply Chain Management Professional designation. The program also provides advanced standing for candidates who seek entry into the P.Log. professional association. Students in the program will be prepared for careers in professional purchasing, international trade, and demand forecasting as well as management positions in transportation, inventory, and distribution. The concentration in Supply Chain Management consists of 10 courses.

Required ten courses:

- LSCM 2201 – Introduction to Logistics & Supply Chain Management
- LSCM 2301 – Introduction to Physical Distribution
- LSCM 3203 – Principles of Quality Management
- LSCM 3303 – Fundamentals of Purchasing

LSCM 3305 – Physical Distribution & Logistics
 LSCM 3402 – Inventory & Warehouse Management
 LSCM 3407 – Business Negotiations/Project Management
 LSCM 4409 – Supply Chain Decision Making
 LSCM 4411 – Integrated Business Solutions
 MGMT 4230 – Advanced Business Law

Students are strongly advised to consult an Advisor before choosing courses in completion of a General Management major.

BACHELOR OF BUSINESS ADMINISTRATION – HUMAN RESOURCES MAJOR

The Bachelor of Business Administration – Human Resources major is designed to provide graduates with a solid grounding in the principles and practices of Human Resource Management. Students in this major may elect to pursue a Chartered Professionals in Human Resources upon graduation. This designation is a national standard that is increasingly valued by organizations that employ human resource professionals in various roles.

The Human Resource major consists of 10 courses, eight of which are required courses and two of which are chosen from a list of options.

Students are strongly advised to consult an Advisor before choosing their Human Resource major courses and electives.

All BBA – Human Resource major students must complete the following eight major courses as part of their major requirements:

HRES 3274 – Recruitment & Selection
 HRES 3275 – Compensation & Benefits
 HRES 3277 – Organizational Learning and Development
 HRES 3278 – Employee Relations
 HRES 4273 – Labour Relations
 HRES 4275 – Organization Development & Culture Calibration
 HRES 4407 – Transition Management
 HRES 5101 – Strategic Human Resources Management

All BBA – Human Resource major students must complete two of the following option courses (exceptions require departmental approval):

ANTH 2213 – Contemporary Aboriginal Issues in Canada
 INBU 2201 – Cross-Cultural Management
 LSCM 3407 – Business Negotiations/Project Management
 MGMT 3269 – Project Management
 MGMT 3265 – Management Information Systems
 MGMT 4230 – Advanced Business Law
 MGMT 4402 – Corporate Social Responsibility
 MGMT 4407 – Governance & Ethical Issues in Organizations
 MGMT 4431 – Leadership Development
 PHIL 2229 – Business Ethics
 SINV 2247 – Introduction to Volunteer Management
 SINV 3305 – Agents of Social Change

BACHELOR OF BUSINESS ADMINISTRATION – MARKETING MAJOR

Professional marketers navigate the dynamic world of brands, evolving consumer attitudes, emerging design trends, innovation, and the global marketplace.

Gain the knowledge needed to become a marketing professional who can effectively blend insight, strategy and creativity to help bring extraordinary products, services, experiences and campaigns to the marketplace.

Mount Royal University is educating marketers who use market intelligence, design and implement integrated branding programs, design experiences, create marketing plans that capitalize on opportunities, and apply emerging technologies.

Upon graduation, you may find careers in a variety of areas. You may guide the strategic and creative direction of corporate brands in large organizations, find placement in advertising agencies in Calgary, or help build identities from the ground up for start-ups and social ventures. Mount Royal's marketing program will prepare you to work in a variety of sectors including oil and gas, tourism, health care, retail services, manufacturing, nonprofit, agriculture and government.

Applying theory through practice

To ensure our graduates are ready to take their place in the profession, marketing students are required to complete verified professional and volunteer experience linked to the learning outcomes of the degree. This experience not only puts newly learned skills to work, but also expands the students' professional network and builds confidence. Marketing students have the flexibility to identify and choose the experiences that align with both their professional and personal goals. Note that all professional and volunteer experiences will be subject to verification through a student's professional portfolio. For additional information, please review the minimum professional and volunteer experience requirements with the department chair.

All BBA – Marketing major students must complete the following eight required courses as part of their major requirements:

MKTG 3150 – The Science of Persuasion
 MKTG 3258 – Evidence-Based Marketing
 MKTG 3450 – Marketing Design Literacy
 MKTG 3458 – Managing Marketing Relationships
 MKTG 3550 – Creating Brand Intelligence
 MKTG 3558 – Navigating Marketing Trends
 MKTG 4850 – Professional Brand Studio
 MKTG 4858 – Marketing-Driven Strategy

All BBA – Marketing major students must complete two of the following option courses (exceptions require departmental approval):

COMM 1841 – Introduction to Public Relations
 ENTR 3302 – Creativity for Entrepreneurial Practice
 INBU 3302 – International Marketing
 MGMT 2275 – Creativity in the Workplace
 MKTG 2299 – **or** MKTG 3399 - Directed Readings*
 MKTG 4150 – Buyer Behaviour
 SINV 3303 – Storytelling & Systems
 SINV 4402 – Human Centred Design for Social Impact
 SPCH 2001 – Introduction to Public Speaking

Students are strongly advised to consult an Advisor before choosing their Marketing major courses and electives.

* No more than one Directed Readings course in a single discipline can be used for graduation purposes.

General Education

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

HONOURS STREAM IN THE BACHELOR OF BUSINESS ADMINISTRATION – ALL MAJORS

Students who are interested in pursuing graduate school or who wish to explore their selected field in more depth are advised to apply for admission into the Honours stream in the Bachelor of Business Administration. Core BBA program requirements are augmented with additional research methods courses and the completion of an Honours Research Project. The Honours BBA provides students a choice of two streams. The first is a scholarly stream and intended for students interested in pursuing graduate school. The second is an applied stream and intended for students seeking to enhance career skills – with a focus on applying theory to practice.

Please contact Business Student Advisers and obtain the latest Honours BBA Handbook, which contains more detailed information.

Admission Requirements – Honours Stream in the Bachelor of Business Administration

To be considered for admission into the honours program, student must achieve a 3.5 GPA in their most recent 20 courses (60 credits) prior to June 30 of the year they apply for entrance into the honours program. Admission into the Honours stream is competitive and is not guaranteed.

Note: A student who has already graduated with a BBA may not apply to enter the Honours stream.

Application for Admission into the Honours Stream

Students may apply for admission into the Honours stream in the fall of their third year, after the completion of a minimum 20 courses. **Applications will be accepted each year from September 15 to November 15.** The process for application to the Honours stream is included in the BBA Honours Handbook which can be found on the Bissett School of Business website. It is recommended that the student obtain in advance the agreement of a full-time faculty member of the Bissett School of Business to be that student's Honours Research Project supervisor.

If a student is admitted into the program, they will take MGMT 5110 – Research Methods for Business in the winter semester (it is anticipated this course will be offered only once per academic year). Upon successful completion of MGMT 5110, the student will then commence their MGMT 5120 – Honours Research Project in the fall of their final year.

Continuance Requirements – Honours

Students admitted into the Honours BBA stream must maintain a minimum cumulative GPA of 3.50. Students who fail to maintain a semester GPA of 3.50 will lose their place in the Honours stream. Students will normally not be permitted to reapply to the Honours stream, and may do so only with the permission of the Chair of their honours discipline. Students permitted to reapply must follow the procedures for "application into the Honours stream," as mentioned above. There is no guarantee that a student will be re-admitted into the Honours stream.

CURRICULUM

Bachelor of Business Administration – Honours Stream

Students may complete the Honours stream in all of the BBA majors. Thirty seven of the courses in the BBA Honours stream are identical to those previously listed for each of the majors in the BBA: 10 General Education courses; 16 core BBA courses; and 10 major specific courses.

BBA Honours students must take the following three courses as part of their four BBA electives:

MGMT 2263 – Business Statistics II (or an alternative data analysis course by the consent of the department)*

MGMT 5110 – Research Methods for Business

MGMT 5120 – Honours Research Project

* **Note:** When counted in the Honours BBA, MGMT 2263 – Business Statistics II cannot be part of the approved options for the concentrations or majors in the BBA.

GRADUATION REQUIREMENTS – HONOURS STREAM

To be eligible for graduation, students must satisfactorily complete all degree program requirements and course work. Students must achieve a minimum cumulative GPA of 3.50 to be eligible for graduation within the honours stream. Students must follow the graduation application procedure outlined in the current Mount Royal Calendar. Applications must be submitted by the date published in the Calendar.

DIPLOMA — AVIATION

GENERAL INFORMATION

The Aviation Diploma program is designed to prepare students to succeed in Canada's aviation industry. In addition to the training required for a Commercial Pilot's Licence and Multi-Engine Instrument Rating, the program provides students with a strong business background, the aeronautical subjects associated with flight in modern aircraft and an understanding of the expectations of the industry. Students who pursue a degree after completion of an Aviation diploma are encouraged to take appropriate university transfer courses.

Student success rates in Air Flight Training courses are significantly increased for those students successfully completing Physics 30. Therefore, it is strongly recommended that students planning to apply to the Aviation Diploma Program include Physics 30 in their selection of high school courses.

The program is certified by Transport Canada and a candidate school under the auspices of the Aviation Accreditation Board International. Mount Royal University is also an active member of Collegiate Aviation Canada, Aviation Alberta, and the Air Transport Association of Canada's Flight Training Committee. The instructors include Airline Transport rated Pilots with upper class instructional classifications, or graduates of Mount Royal University's Aviation Program.

In addition to the flight and academic requirements, students in this program will be required to meet the expectations of the aviation profession in terms of dress, deportment and professional conduct at all times.

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. All FLTR courses are graded as a pass or fail. Students may repeat FLTR courses only once. Students must achieve a passing grade on FLTR courses to continue in the program.
3. Students must follow the policies and procedures as stated in current version of the Student Information Manual or they may be subject to removal from the program.

Special Program Fees

In addition to regular tuition and general fees, flight training fees are approximately \$65,000 for a student in the two-year Aviation Diploma. A Private Pilot License (cost approximately \$15,000) must be completed prior to entering the Diploma program. 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.

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 Chief Flight Instructor (CFI) or Program Chair. Procedures for applying for an exception or exemption are available from either the CFI or the Program Chair.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Aviation Diploma program:

- English Language Arts 30-1 – 60%
- Mathematics 30-1 – 60%

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.

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.

Indigenous Student Admission

Each year 7% of the admission seats in the Aviation diploma program will be reserved for Indigenous students through an Indigenous admission target. To be considered for admission under the Indigenous admission target, the applicant must:

- self-identify as an Indigenous applicant on the Application for Admission
- meet the definition of an Indigenous Applicant
- meet the minimum admission requirements as indicated in the General Admission requirements for Mount Royal University as well as the specific admission requirements for the Aviation diploma

Designated seats for this special consideration target will be filled by Indigenous applicants on a competitive basis. Applicants are encouraged to apply during the Early Admissions period. 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.

Flight Training Requirements

- All published syllabus flights must be completed in Mount Royal University aircraft under the supervision of Mount Royal university instructors*.
- Students must complete all of the published syllabus flights and simulator training for Year 1 by the end of the first year.
- Students must complete all of the published syllabus flights and simulator training for Years 1 and 2 in order to graduate.
- 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

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, Industry and Flight Operations
 AIRF 2209 – Advanced Aviation Meteorology
 GEOG 1101 – The Physical Environment
 HPED 2872 – Wilderness Survival Techniques
 MGMT 2262 – Business Statistics I or any MATH course at the 1000 level or above

One Approved Option*

General Education Requirement, Cluster 1, any Tier
 General Education Requirement, Cluster 4, Foundation

***Approved Option courses; students may select one of the following approved options:**

ACCT 2121 – Financial Accounting Concepts
 ECON 1101 – Principles of Microeconomics
 ECON 1103 – Principles of Macroeconomics
 ENTR 2301 – Innovation and the Entrepreneurial Experience
 HRES 2170 – Introduction to Human Resources
 INBU 2201 – Cross Cultural Management
 INBU 3301 – Global Business Environment
 INBU 3302 – International Marketing
 INBU 3304 – Global Supply Chain Management
 INBU 3305 – International Market Entry Strategy
 INBU 3306 – International Trade Research
 MGMT 3210 – Business Communication Theory and Practice
 MGMT 3230 – Business Law
 MGMT 3276 – Organizational Behaviour
 MKTG 2150 – Introduction to Marketing
 SINV 2201 – Introduction to Social Innovation

Year Two

AIRF 3202 – Multi-Engine Instrument Rating
 AIRF 3206 – Advanced Operations, GPS and Crew Coordination
 AIRF 3210 – Aviation Technology and Aircraft Systems
 AIRF 3242 – Human Factors and Aviation Safety
 ENTR 2301 – Innovation and the Entrepreneurial Experience or Approved Option
 LSCM 2201 – Introduction to Logistics and Supply Chain Management **or**
 LSCM 2301 – Introduction to Physical Distribution
 MGMT 2130 – Principles and Practice of Management
 General Education Requirement, Cluster 2, any Tier
 General Education Requirement, Cluster 3, any Tier
 General Education Requirement, Cluster 4, any Tier

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.

REQUIREMENTS IN FLIGHT TRAINING

Year One

In year one, students will complete all required courses and at least two options. Depending on flight hours, students may be required to take additional options.

The following courses are required courses:

FLTR 1100 – Pilot Indoctrination

FLTR 1101 – VFR Navigation

FLTR 1102 – Applied Navigation and Instrument

FLTR 1103 – Night Rating

FLTR 1105 – Multi-Engine Rating

The following courses are options:

FLTR 1201 – Navigation Flight 1

FLTR 1202 – Navigation Flight 2

FLTR 1203 – Navigation Flight 3

FLTR 1204 – Navigation Flight 4

FLTR 1300 – Extra Dual Flight: C-172

FLTR 1301 – Extra Ground Briefing/Mentor Sim

FLTR 1302 – Extra Solo Flight: C-172

Year Two

In year two, students will complete all required courses and at least two options. Depending on flight hours, students may be required to take additional options.

The following courses are required courses:

FLTR 2100 – Currency

FLTR 2102 – IFR Navigation and Holds

FLTR 2103 – Approach Basics

FLTR 2104 – IFR Operations

FLTR 2105 – Group 1 Instrument Rating

FLTR 2106 – Commercial Pilot License Flight Test Preparation

The following courses are options:

FLTR 2201 – Navigation Flight 5

FLTR 2202 – Navigation Flight 6

FLTR 2203 – Navigation Flight 7

FLTR 2204 – Navigation Flight 8

FLTR 2300 – Extra Dual Flight: Twin Advanced

FLTR 2301 – Extra Dual Flight: Simulator Advanced

FLTR 2302 – Additional Training: Twin

FLTR 2303 – Additional Training: Simulator

CERTIFICATE — BUSINESS ADMINISTRATION

GENERAL INFORMATION

These certificates are designed for individuals with prior post-secondary education and work experience. They will be of value to individuals contemplating a career change or those who wish to expand their knowledge of the field. Each certificate program follows a discipline-specific curriculum, with a prescribed structure of prerequisites. Normally, senior level courses are taken after the completion of introductory-level courses. Students may receive credits from previous higher education courses, but should consult the information and timelines posted online for the assessment of transfer credit equivalency. Students can attend the program on a full-time or part-time basis; courses are offered during the day and night time, depending on student demand. The time to complete the program is dependent on the individual student's circumstances.

ADMISSION REQUIREMENTS

Post-secondary degree.

Note: Students applying for admission into the Advanced Accounting Certificate are required to have successfully completed ACCT 2121 – Financial Accounting Concepts. Because of the sequential (prerequisite) nature of accounting courses, the time required to complete the Advanced Accounting Certificate is typically three to four semesters (18 months to 2 years).

CURRICULUM

These programs are specialized in nature and cover three areas of career interest. Students will take a small number of required courses and specialize in one of the following areas: Advanced Accounting, Marketing or Human Resources.

Certificate – Advanced Accounting

Core Requirements

ACCT 3221 – Intermediate Accounting I
ACCT 3224 – Management Accounting I
ACCT 3228 – Management Accounting II
ACCT 4222 – Intermediate Accounting II
ACCT 4225 – Principles of Auditing
ACCT 4280 – Introduction to Personal and Corporate Income Tax
ACCT 4381 – Advanced Financial Accounting
ACCT 4382 – Advanced Managerial Accounting

Students intending to pursue the PEP post-graduation need to make themselves aware of the CPA student academic achievement requirements for pre-requisite learning for entrance into the PEP program. These academic requirements can be found by visiting the CPA Alberta website.

Certificate – Human Resources

Core Requirements

HRES 2170 – Introduction to Human Resources
HRES 3278 – Employee Relations
MGMT 2130 – Management Principles & Practices
MGMT 3230 – Business Law
MGMT 3276 – Organizational Behaviour
Approved Option 1
Approved Option 2
Approved Option 3

Approved Options

Students must take any three of the following courses.

HRES 3274 – Recruitment & Selection
HRES 3275 – Compensation and Benefits
HRES 3277 – Organizational Learning and Development
HRES 4407 – Transition Management

Certificate – Marketing

Core Requirements

MKTG 2150 – Introduction to Marketing
MKTG 3150 – The Science of Persuasion
MKTG 3258 – Evidence-Based Marketing

Approved Options

Students must take any five of the following courses.

ENTR 2301 – Innovation and the Entrepreneurial Experience
ENTR 3302 – Creativity for Entrepreneurial Practice
INBU 3302 – International Marketing
MKTG 3450 – Marketing Design Literacy
MKTG 3458 – Managing Marketing Relationships
MKTG 3550 – Creating Brand Intelligence
MKTG 3558 – Navigating Marketing Trends
MKTG 4850 – Professional Brand Studio
MKTG 4858 – Marketing-Driven Strategy

Note: Prerequisites for these courses must be followed.

Students wishing to focus on marketing creative as part of their certificate are advised to take MKTG 3450, MKTG 3550, and MKTG 4850.

Students wishing to focus on strategic marketing as part of their certificate are advised to take MKTG 3458, MKTG 3558, and MKTG 4858.

GRADUATION REQUIREMENTS

To graduate, all Business Administration Certificate students must meet the following criteria:

- Successfully complete all the courses in the curriculum with a minimum overall Grade Point Average of 2.00.

BACHELOR OF COMMUNICATION — BROADCAST MEDIA STUDIES

GENERAL INFORMATION

The essence of Broadcasting is communicating effectively with images, words and sounds. Whether it is telling a story, providing information about a product or service, delivering entertainment, or covering a live event, media content has to be conveyed in a manner that meets the needs of diverse audiences. Industry professionals have to be able to adapt to rapid changes in trends and technology and be well versed in producing for traditional broadcast media, networks and production houses, as well as for the online demands of corporations, government and non-profits.

The Broadcast Media Studies curriculum includes communication theory, a media focus on ethics and inclusion, the use of statistics in disseminating information on digital platforms, incorporating design theory and rhetoric for media content, on-air performance, news, sports and current affairs reporting and presentation, technical operations, audio production and podcasts, multi-camera mobile production, single camera on-location shooting, lighting, editing and graphics creation. In addition, General Education courses and electives provide the opportunity to study a range of subjects, and to concentrate on a particular discipline and earn a minor.

Student Conduct

Broadcast Media Studies students must adhere to MRU's Code of Student Conduct as well as the expectations of professional industry organizations such as the Canadian Broadcast Standards Council, the Ads Standards Council's Canadian Code of Advertising, and the Association of Electronic Journalists' Code of Ethics. Any deliberate breaches will result in disciplinary action with transgressions being equated to academic dishonesty, and with consequences as outlined in the Mount Royal Code of Student Conduct.

Communication Work Experience

Between the third and fourth years of the Broadcast Media Studies program, students are required to complete a non-credit, semester-long supervised work experience (a minimum of 12 weeks of full-time work) in the industry. This is an opportunity to further develop their skills in a media-related environment alongside professionals.

To be eligible, all students must complete a range of prerequisites. Because the work involves professional placements, the program chair can, for a fixed period, deny eligibility for the placement to any student who has acted in an inappropriate and unprofessional manner during the preparation phase or during the work experience placement.

Any student who exhibits professional misconduct before or during the placement may be required to withdraw from the program subject to terms of the Student Code of Conduct.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Communication — Broadcast Media Studies program:

- English Language Arts 30-1 – 60%
- Social Studies 30-1

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.

Indigenous Student Admission

Each year 7% of the seats in the Bachelor of Communication Studies — Broadcast Media Studies will be reserved for Indigenous applicants through an Indigenous Admission target. To be considered for admission under the Indigenous Admission target, the applicant must:

1. self-identify as an Indigenous applicant on the Application for Admission
2. meet the definition of an Indigenous Applicant
3. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

Continuance in the Program

Students accepted into the Bachelor of Communication program are subject to Mount Royal policies and regulations relating to baccalaureate degrees and continuance.

CURRICULUM

All of Broadcast Media Studies:

COMM 1401 – Digital Audio Production

COMM 1402 – Writing for Digital Audio

COMM 1404 – Digital Video Production

COMM 1405 – Writing for Digital Video

COMM 2400 – Broadcast Media Law and Ethics

COMM 2401 – Digital News Gathering

COMM 2402 – Media Marketing and Advertising
 COMM 2404 – Digital Advertising Production
 COMM 2405 – Broadcast Presentation
 COMM 2500 – Introduction to Communication Studies
 COMM 2501 – Media History and Contemporary Issues
 COMM 3401 – Diversity in Media
 COMM 3402 – Media Research
 COMM 3403 – Multimedia Content Production
 COMM 3404 – Senior Roles in the Digital Newsroom
 COMM 3405 – Multimedia Content Management
 COMM 3500 – Media, Culture and Communication Theory
 COMM 4401 – Enterprise Journalism
 COMM 4402 – Broadcast Policies and Regulations
 COMM 4403 – Broadcast Industry Entrepreneurship
 COMM 4404 – Case Studies in Broadcast Communication and Society
 COMM 4405 – Independent Media Project
 COMM 4501 – Roles and Practices in Contemporary Communications
 MATH 1103 – Intro to Statistical Reasoning
 Six Electives

Zero-credit program elements:

COMM 4490 – Broadcast Workplace Issues and Preparation Seminar *
 COMM 4491 – Broadcast Work Experience *

*All courses are three credits except zero-credit courses COMM 4490 and 4491

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Communication – Broadcast Media Studies.

1. Four courses will be taken at the foundation level: one from each of the four thematic cluster areas.
2. Three courses will be taken at the second tier: no more than one from a given thematic cluster. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

For further details on the nature and structure of General Education visit:

mtroyal.ca/gened/courses.

GRADUATION REQUIREMENTS

Degree candidates in the Bachelor of Communication – Broadcast Media Studies must complete all core program courses with a final grade of “C” or better. Successful completion of 120 credits and all courses for graduation listed. Successful completion of one non-credit work placement and the non-credit work experience preparation seminar.

BACHELOR OF COMMUNICATION — INFORMATION DESIGN

GENERAL INFORMATION

Information design is the art and science of preparing or “designing” information so that it can be used by human beings with efficiency and effectiveness. Information design applies traditional and evolving design principles to the process of translating complex, unorganized, or unstructured data into valuable meaningful information. In short, information designers design understanding and there are few, if any, occupations that do not feel the influence and benefits of good information design.

An information designer works in a variety of settings. These include working with strategic digital communications companies to develop Web-based applications, designing and conducting usability tests, or working with multimedia, publishing, and other knowledge management products. Information designers must have skill in writing and understand the central importance of typography in how to produce understandable and attractive documents ranging from operating instructions, brochures, and training manuals to magazines and style guides. In all cases, information designers place their focus on the user and understand the importance of usability research. Finally, the study of ethics is fundamental to information design. Information designers understand how people who read and use information must be treated with dignity and how their work can affect various constituencies—from co-workers to customers to the general public—and even the environment itself. A key strength for Information Design graduates is their ability to conceptualize procedure and compete in the global marketplace.

The interdisciplinary curriculum of the Bachelor of Communication – Information Design degree responds directly to current market trends. The degree combines skills in graphic design, typography, writing, project management, instructional design, human performance technology, and human factors that reach far beyond traditional programs in design, technical communication, or publishing. Information Design is also interdisciplinary and students will work with other communication students in Journalism or Public Relations and will complete work experience in a variety of settings. The intent of the curriculum is to prepare graduates who can not only work formatively and creatively, but also understand how to work using scientific and didactical methods as part of the field of communication research. As a result, information retrieval techniques and information assessment are central to the program and provide expertise in areas pertaining to research methods and usability.

Student Conduct

Information Design students are expected to adhere to the Code of Ethics and Professional Practices, to which all students at Mount Royal are expected to practice. Any deliberate breaches will result in disciplinary action with transgressions being equated to academic dishonesty, and with consequences as outlined in the Mount Royal Code of Student Conduct at mtroyal.ca/studentconduct.

Continuance in the Program

Students accepted into the Bachelor of Communication program are subject to all Mount Royal policies and regulations relating to baccalaureate degrees and continuance.

Residency Requirements

A minimum of 50 percent of the course requirements for the degree must be completed as a registered student of Mount Royal, not including the required non-credit work experience.

Communication Work Experience

For graduation purposes, Information Design students are required to complete one, non-credit, semester-long supervised work experience (with a 12 full time work week minimum) in the communications field during their program. To be eligible, all students must complete a range of prerequisites. Because work experience involves professional placements, the program chair can, for a fixed period, deny eligibility to any student who has acted in an inappropriate and unprofessional manner during the preparation phase. Any student who receives a work experience assessment of Fail for exhibiting professional misconduct may be required to withdraw from the program, subject to terms of the Student Code of Conduct.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Communication – Information Design program.

- English Language Arts 30-1 – 60%

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.

Additional Criteria

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

- Interview with information design faculty

Indigenous Student Admission

Each year 7% of the seats in the Bachelor of Communication Studies – Information Design will be reserved for Indigenous applicants through an Indigenous Admission target. To be considered for admission under the Indigenous Admission target, the applicant must:

1. self-identify as an Indigenous applicant on the Application for Admission
2. meet the definition of an Indigenous Applicant
3. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

Transfer Credit

Students who have completed, in good standing, a diploma in a related field such as technical design or multimedia from Medicine Hat, Mount Royal, NAIT, SAIT, or other Universities in Alberta or other provinces, may be eligible for transfer credit. Information Design is a distinct discipline and students considering transfer must appreciate the importance of the need for required foundation courses in writing and design theory.

CURRICULUM

The foundation of the Information Design degree in Communication Studies is 24 required core Information Design courses, 10 General Education courses and six electives, for a total of 40 courses over four years.

All of Information Design:

COMM 2500 – Intro to Communication Studies
 COMM 2501 – Media History and Contemporary Issues
 COMM 3500 – Media, Culture and Communication Theory
 COMM 4501 – Roles and Practices in Contemporary Communication
 COMM 1600 – Foundations of Information Design
 COMM 1610 – Tools for Information Designers I
 COMM 1620 – Foundations of Graphics
 COMM 1661 – Technical Writing I
 COMM 2663 – Rhetoric
 COMM 2666 – Typography
 COMM 2667 – Information Architecture
 COMM 2670 – Tools for Information Designers II
 COMM 2673 – Introduction to Digital Layout
 COMM 2680 – Intercultural Communication in Information Design
 COMM 3600 – Usability
 COMM 3605 – Research in Information Design
 COMM 3610 – Visual Communication for Information Design I
 COMM 3611 – Visual Communication for Information Design II
 COMM 3620 – Document Production I
 COMM 3670 – Project and Content Management
 COMM 4620 – Document Production II
 COMM 4665 – Instructional Design
 COMM 4679 – Issues in Communication: Ethics and Law
 COMM 4680 – Portfolio

Zero-credit program elements:

COMM 4690 – Information Design Workplace Issues and Work Experience Preparation Seminar *

COMM 4691 – BCMM Information Design Work Experience *

COMM 4692 – Information Design Work Experience II * (optional)

**All courses three credits except zero-credit courses COMM 4690, 4691 and 4692.*

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Communication – Information Design.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

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

GRADUATION REQUIREMENTS

Eligibility to graduate from a Mount Royal program requires that a student:

1. has been officially admitted into the program; and
2. has completed at least 25% of the graduation requirements as a student within the program; and
3. has met all residency requirements; and
4. satisfies all program requirements specified in the curriculum at the time of admission to the program or the current program; and
5. meets the requirements for Good Standing at the time the application to graduate is evaluated.

Progression Requirements

Students are required to complete all core courses with a minimum final grade of "C" and a grade of "Pass" in the non-credit work experience preparation seminar (COMM 4690) and work experience (COMM 4691).

BACHELOR OF COMMUNICATION — JOURNALISM

GENERAL INFORMATION

The world of journalism is varied and challenging and Mount Royal's goal is to ensure that journalism graduates have a range of skills and understandings that they can draw upon in this ever-changing landscape. The best journalism is accomplished by people with a thorough grasp of the fundamentals of reporting, writing, editing and illustrating news, the ability to think critically about their work and work environment, and a deep curiosity about how society functions, or often does not function. The Journalism major in the four-year Bachelor of Communication program is based on integrating classroom learning with practical experience, including professional work experiences, and is focused on providing students with a broad-based journalism education in writing, idea and story development, newspaper production, broadcasting, photography, and Internet-based news requirements. It additionally includes:

- Considerable exposure to written, spoken and mediated communications, and to the effective use of computers.
- The opportunity to develop and practice a range of presentation skills.
- A focus on critical reflection about journalism generally, and the student's own work through instructor feedback, peer critiques, and self-reflection.
- Consideration of the social context for the practice of journalism including media history, law and ethics.
- Direct workplace exposure in communications through a required professional work experience.
- A strong General Education component that ensures both breadth of study and the potential to achieve a concentration in a given discipline, such as political science, history, sociology, or a second language among other possibilities.
- Electives students can use to explore a specific discipline more fully.
- Information retrieval techniques and information assessment are presented in a number of courses, while a course in research design and methodology encourages a more comprehensive understanding of the goals and nature of research.
- A Communication Studies component with specific attention to key theories that explain the interaction inherent in communication processes.
- Complementary communications courses in Information Design or Public Relations.
- Strict attention to ethical practice as detailed in a program-wide journalism policy manual.

This blend of elements introduces journalism students to the expectations and requirements of professional practice in context of the role journalism plays in society, while allowing them to step outside that frame to consider other ideas and forces that shape their world; and to acquire a depth and breadth of knowledge intended to serve journalism graduates in a variety of ways.

Student Conduct

Professional work completed in the Journalism program is guided by a Journalism Code of Ethics and Professional Practices, to which all journalism students at Mount Royal are expected to adhere. Any deliberate breaches will result in disciplinary action with transgressions being equated to academic and/or non-academic misconduct, and with consequences as outlined in the Mount Royal Code of Student Conduct. For information on the Code of Student Conduct please visit the Office of Student Conduct website mtroyal.ca/studentconduct.

Continuance in the Program

Students accepted into the Bachelor of Communication program are subject to Mount Royal policies and regulations relating to baccalaureate degrees and continuance.

Communication Work Experience

Journalism students are encouraged to complete two non-credit semester long work experiences (with a 12 full time work week minimum) in the communications field during their program, but are required for graduation purposes to complete one such supervised work experience. To be eligible, all students must complete a range of prerequisites. Because work experiences are professional placements the program chair can, for a fixed period, deny work experience eligibility to any student who has acted in an inappropriate and unprofessional manner during the preparation phase, or during a work experience. Any student cited for professional misconduct in advance of or during a work experience will be required to withdraw from the work experience process, and could be subject to further sanctions under terms of the Student Code of Conduct.

Students with a Communications Diploma

Students who have completed in good standing a diploma in journalism, broadcasting or multimedia from MacEwan, Mount Royal, SAIT, or other community colleges in Alberta or other provinces, may be eligible for entry into the third year of the Bachelor of Communication – Journalism program. Contact the journalism program for details.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Communication – Journalism program.

- English Language Arts 30-1 – 60%
- Social Studies 30-1

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.

Indigenous Student Admission

Each year 7% of the seats in the Bachelor of Communication Studies – Journalism will be reserved for Indigenous applicants through an Indigenous Admission target. To be considered for admission under the Indigenous Admission target, the applicant must:

1. self-identify as an Indigenous applicant on the Application for Admission
2. meet the definition of an Indigenous Applicant
3. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

Computer Needs

To participate in this program, a student will require access to a computer with sufficient power, capacity, and Internet access. In COMM 1720 – Managing Digital Media, students will be using widely available and free for use open source software that generally needs to be downloaded and stored. It is advised that students check with computer suppliers to ensure that their computer will function effectively under these circumstances. Receiving the Certificate after completing the four courses, all students must apply for their online Certificate of Achievement – Journalism by contacting the School of Communication Studies.

CURRICULUM

The foundation of the Journalism degree in Communication Studies is 24 required core Journalism courses, 10 General Education courses and six electives, for a total of 40 courses over four years.

All of Journalism:

COMM 1707 – Journalism Elements
 COMM 1709 – Journalism Practice & Theory
 COMM 1720 – Introduction to Digital Media
 COMM 1727 – Introduction to Visual Journalism
 COMM 1728 – Journalism Projects
 COMM 2500 – Introduction to Communication Studies
 COMM 2501 – Media History and Contemporary Issues
 COMM 3500 – Media, Culture and Communication Theory
 COMM 3707 – News Reporting
 COMM 3709 – News Editing and Reporting
 COMM 3717 – Specialized Writing
 COMM 3720 – Graphics Reporting & Digital Design
 COMM 3727 – Visual Journalism II
 COMM 3729 – Online Journalism
 COMM 3735 – Ethics, Law and the Media
 COMM 3737 – Research Design and Methodology
 COMM 3740 – Audio/Visual Storytelling
 COMM 3747 – Audio/Visual Storytelling for Online Media
 COMM 3777 – Project and Content Development
 COMM 4501 – Roles and Practices in Contemporary Communications
 Six Electives

One of:

COMM 4705 – Online Editorial Board
 COMM 4707 – Editorial Board

At least three of:

COMM 4705 – Online Editorial Board
 COMM 4707 – Editorial Board
 COMM 4709 – Advanced Reporting
 COMM 4711 – Advanced Reporting II
 COMM 4717 – Magazine Writing, Editing and Production
 COMM 4727 – Photojournalism Projects
 COMM 4729 – Multimedia Projects
 COMM 4737 – Research Projects
 COMM 4747 – Advanced Audio/Visual Projects
 COMM 4757 – Corporate Communications

Up to two courses above may be substituted by one or both of:

COMM 3797 – Special Topics in Journalism
 COMM 3799 – International Journalism Projects

Zero-credit program elements:

COMM 4790 – Workplace Issues & Work Experience Preparation Seminar*
 COMM 4791 – Journalism Work Experience I (Required)*
 COMM 4792 – Journalism Work Experience II (Optional)*

*All courses three credits, except for zero-credit courses COMM 4790, 4791 and 4792.

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Communication – Journalism.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

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

GRADUATION REQUIREMENTS

- Degree candidates in the Bachelor of Communications – Journalism must complete all core courses in the program with a final grade of “C” or better.
- Successful completion of 120 credits and all courses for graduation as listed.
- Successful completion of one non-credit internship and the non-credit internship preparation seminar.

CERTIFICATE OF ACHIEVEMENT – JOURNALISM (ADMISSION SUSPENDED)

Journalism is a fundamental element of our daily lives. Whether in print, on television, on radio or online, and whether mainstream or specialized, journalism helps us make sense of our world by providing us with information and exposing us to new ideas. Mount Royal University in Calgary has been involved in educating journalists for more than 40 years. In addition to campus-based programs it is now offering students the opportunity to start their journalism studies through online delivery. The Certificate of Achievement – Journalism comprises four courses designed to introduce the online student to the craft and context of journalism as practiced today. Students who complete the four online courses will be awarded the Certificate of Achievement – Journalism by Mount Royal’s School of Communication Studies.

GENERAL ADMISSION REQUIREMENTS

All students must meet the general admission requirements for Mount Royal University programs, as indicated in the Admission section of this calendar. Again, students already admitted to campus-based Mount Royal programs need not apply to take certificate, and can simply add the applicable courses to their schedules in a given semester.

ADDITIONAL ADMISSION REQUIREMENTS CERTIFICATE OF ACHIEVEMENT – JOURNALISM

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Certificate of Achievement – Journalism program:

- English Language Arts 30-1 – 60%
- Social Studies 30-1

BACHELOR OF COMMUNICATION — PUBLIC RELATIONS

GENERAL INFORMATION

Globalization, technology, new attitudes toward work, workplace turbulence and the speed of change are all affecting organizations' ability to communicate effectively and responsibly. Now, more than ever, the public relations professional must be ready to bring communication solutions to the challenges experienced in organizations large and small and across all sectors in society. The Bachelor of Communication – Public Relations degree at Mount Royal is designed for individuals interested in learning how to assist organizations to manage their communication with a variety of audiences and key stakeholders in ways that build and maintain ethical and mutually beneficial relationships.

The degree blends human and organizational communication theory with interdisciplinary curriculum that will allow students to learn and work with students in journalism, broadcasting and information design. As well, a strong General Education component, common to all Mount Royal degrees, will ensure breadth of study and the ability for students to pursue a discipline outside of communication more fully.

The Public Relations curriculum includes basic and strategic communication planning, research theory and design, international and intercultural communication, media relations, fund development and corporate philanthropy, issues management and crisis communications, and the basics of financial communication through a course in investor relations. Specific skills, critical to a successful public relations professional are learned through several intensive writing courses, computer mediated communication, the basics of layout and design, and event management.

Note: The nature and structure of the General Education component is common to all degrees.

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 at mtroyal.ca/studentconduct.

Continuance in the Program

Students accepted into the Bachelor of Communication – Public Relations degree must comply with all Mount Royal policies and regulations relating to baccalaureate degrees and continuance.

Communication Work Experience

To ensure our graduates are ready to take their place in the profession, Public Relations students are required to complete two non-credit, work experiences involving four months of full time supervised work in a public relations setting. These work experiences not only put newly learned skills to work, they expand the students' network, build confidence and create opportunities to travel. Students in the Public Relations program take their first work experience during the summer following their third year, and the second in the winter semester of their final (fourth) year. To be eligible, all students must complete a range of prerequisites. Both work experiences involve professional placements and, as such, the program chair can, for a fixed period, deny eligibility to any student who has acted in an inappropriate and unprofessional manner during the preparation phase. Any student who receives a work experience assessment of Fail for exhibiting professional misconduct will be ineligible to continue in core courses until the work experience has been successfully completed or may be required to withdraw from the program, subject to the terms of the Student Code of Conduct.

Certificate of Achievement in International Communication

Students in any major of the Bachelor of Communication (BCMM), offered through the School of Communication Studies, 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 ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Communication – Public Relations program.

- English Language Arts 30-1 – 60%
- Social Studies 30-1

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.

Additional Criteria

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

- Interview with public relations faculty

Indigenous Student Admission

Each year 7% of the seats in the Bachelor of Communication Studies – Public Relations will be reserved for Indigenous applicants through an Indigenous Admission target. To be considered for admission under the Indigenous Admission target, the applicant must:

1. self-identify as an Indigenous applicant on the Application for Admission
2. meet the definition of an Indigenous Applicant
3. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

Transfer Credit

Students who have completed (in good standing) a diploma in public relations from MacEwan University or Kwantlen Polytechnic University, or other Universities in Canada may be eligible for transfer credit. Public Relations is a distinct discipline and students considering transfer must appreciate the importance of the need for required foundation courses in public relations theory and writing.

CURRICULUM

The foundation of the Public Relations degree in Communication Studies is 24 required core Public Relations courses, 10 General Education courses and six electives, for a total of 40 courses over four years.

All of Public Relations:

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 – Applied Visual Communication for Public Relations
 COMM 2845 – Financial Public Relations
 COMM 2849 – Applied Writing II for Public Relations
 COMM 3500 – Media, Culture and Communication Theory
 COMM 3670 – Project and Content Management **or** COMM 3890 – Special Topics in Public Relations
 COMM 3841 – Media Relations
 COMM 3843 – Communication and Organizational Culture
 COMM 3847 – Public Relations Management
 COMM 3851 – Computer Mediated Communication
 COMM 3855 – Research Methods for Public Relations
 COMM 3860 – Government Public Relations
 COMM 3865 – Strategic Social Media for Public Relations
 COMM 4501 – Roles and Practices in Contemporary Communication
 COMM 4841 – Strategic Communication Planning
 COMM 4845 – Investor Relations **or** COMM 4849 – Fund Development and Corporate Philanthropy
 COMM 4847 – International and Intercultural Public Relations
 COMM 4851 – Issues and Ethics in Public Relations
 COMM 4860 – Issues Management, Risk and Crisis Communication
 MKTG 2150 – Introduction to Marketing
 Six Electives

Zero-credit program elements:

COMM 4890 – Public Relations Workplace Issues and Preparation Seminar*
 COMM 4891 – Public Relations Work Experience I *
 COMM 4892 – Public Relations Work Experience II *

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

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Communication – Public Relations.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

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

GRADUATION REQUIREMENTS

For graduation purposes, all degree candidates in the Bachelor of Communication – Public Relations must complete all core courses in the program, with a final grade of "C" or better.

- Successful completion of the total required credits and courses for graduation as listed
- Successful completion of two non-credit work experience placements and the non-credit work experience preparation seminar.

FACULTY OF CONTINUING EDUCATION & EXTENSION

PROGRAMS OFFERED

Occupational Programs:

- Funeral Service Diploma
- Funeral Director Certificate
- Embalmer Certificate
- Massage Therapy Diploma
- Massage Therapy Certificate
- Personal Fitness Trainer Diploma

Degree/Diploma Access Route:

- Open Studies

DIPLOMA — FUNERAL SERVICE

GENERAL INFORMATION

Mount Royal's Funeral programs prepare students for an entry-level position in the funeral service profession. The majority of courses are delivered online and students learn from expert instructors in an interactive environment. Students may complete their online courses and work experience within their home community. The Funeral Service diploma is the credential preferred by funeral home employers. Students are prepared to license as a Funeral Director and as an Embalmer.

Duration of the Program

Program requirements for diploma completion can be completed in 12 months. Students have six (6) calendar years from the date of initial registration in the Funeral Service diploma to complete all requirements. Students seeking an extension beyond six (6) years may be required to complete additional course work.

Residency Requirements

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the dean/director of the appropriate faculty. In addition, the embalming practicum and work experience components of the Funeral Service programs must normally be completed as a student of Mount Royal.

Work Experience

The work experience courses are designed to provide an extension of the learning process in a relevant work environment, giving students an opportunity to further develop their skills alongside funeral service professionals. The work experience courses are typically offered each semester and may often be completed at the same time as the academic courses.

Students are responsible to secure their own work experience placement. Given the fluctuating nature of the labour market, opportunities may vary and students should be prepared to relocate. Any student who exhibits professional misconduct before or during the work experience placement may be required to withdraw from the program.

Police Information Check

Students preparing for work experience courses may be required to provide a current Police Information Check to their Funeral Home employer, at their own expense. It is each employer's decision to accept or reject a student for work experience placement based upon the results of a police information or other background checks. Please refer to the statement regarding police information and other background checks in this calendar.

Non-Graduated Class 5 Driver's License

Students preparing for work experience courses may be required to provide a non-graduated Class 5 driver's license to their Funeral Home employer, at their own expense. It is each employer's decision to accept or reject a student for work experience placement if they do not have a non-graduated Class 5 driver's license. This may also impact the student's ability to complete the program requirements for graduation or to gain employment in the funeral profession.

Personal Protective Equipment

Students participating in the embalming practicum are required to purchase personal protective equipment, at their own expense. The personal protective equipment will be available for purchase at the MRU Bookstore.

Immunizations

Proof of up-to-date immunization status is required for the Embalming Practicum and Embalmer Work Experience, 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 embalming practicum course. Immunizations may take 6-months to complete so students are advised to plan accordingly.

Standard First Aid and Basic Rescuer CPR Level C

At the time of the Embalming Practicum and the Embalmer Work Experience, students will be required to provide proof of current Standard First Aid with CPR C. Evidence of certification is to be provided prior to the beginning of the embalming practicum and must be valid for the duration of the course. Failure to maintain current Standard First Aid with CPR C certification will result in immediate withdrawal from the embalming practicum. All associated costs are the responsibility of the student.

WHMIS

At the time of the Embalming Practicum and the Embalmer Work Experience, students must present evidence of valid WHMIS certification. The certification must be valid for the duration of the embalming practicum course.

ADMISSION REQUIREMENTS

Applicants are not required to meet the General Admission Requirements for Mount Royal University programs. Applicants must meet the English Language Proficiency Requirement (if your primary or first language is not English). In addition, applicants must present evidence of funeral-related experience. Official transcripts from all high school and post-secondary institutions attended are required.

CURRICULUM

The diploma is specialized in nature and requires students to complete 19 core courses (1832 hours).

XFDC 20001 – Funeral Directing I
 XFDC 20002 – Embalming Theory I
 XFDC 20004 – Funeral Directing II
 XFDC 20005 – Embalming Theory II
 XFDC 20007 – Restorative Art I
 XFDC 20008 – Funeral Directing III
 XFDC 20010 – Restorative Art II
 XFDC 20012 – Work Experience I
 XFDC 20013 – Anatomy & Physiology
 XFDC 20014 – Psychology of Death & Dying
 XFDC 20016 – Business Strategies
 XFDC 20017 – Work Experience II
 XFDC 20018 – Chemistry
 XFDC 20019 – Business Communications
 XFDC 20020 – Microbiology
 XFDC 20023 – Embalming Practicum
 XFDC 20025 – Funeral Trends & Regulations
 XFDC 20101 – Introduction to Conflict Resolution
 XFDC 20102 – Negotiating with Integrity

GRADUATION REQUIREMENTS

For the purpose of progression and graduation, all students in the Funeral Service diploma must obtain a minimum grade of C in all courses with the following exceptions:

- XFDC 20012 – Work Experience I with a minimum grade of EP
- XFDC 20017 – Work Experience II with a minimum grade of EP
- XFDC 20023 – Embalming Practicum with a minimum grade of EP

To be eligible for graduation, students must satisfy all program requirements.

Students must follow the graduation application procedure outlined in the current Mount Royal Academic Calendar. Applications must be submitted by the date published in the calendar.

PROFESSIONAL LICENSING

Graduates of the Funeral Service programs may become licensed as a Funeral Director and/or Embalmer in the province of Alberta. Licensing requirements are governed by the Alberta Funeral Services Regulatory Board. Please refer to the Alberta Funeral Services Regulatory Board for all requirements – afsrb.ab.ca.

Students or graduates residing outside of Alberta should contact the provincial or national regulatory body governing funeral service in their province.

CERTIFICATE — FUNERAL DIRECTOR

GENERAL INFORMATION

Mount Royal's Funeral programs prepare students for an entry-level position in the funeral service profession. The majority of courses are delivered online and students learn from expert instructors in an interactive environment. Students may complete their online courses and work experience within their home community. Concentrate on funeral directing. Students are prepared to become licensed as a Funeral Director.

Duration of the Program

Program requirements for certificate completion can be completed in 12 months. Students have six calendar years from the date of initial registration in the Funeral Director certificate to complete all requirements. Students seeking an extension beyond six years may be required to complete additional course work.

Residency Requirements

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the dean/director of the appropriate faculty. In addition, the embalming practicum and work experience components of the Funeral Service programs must normally be completed as a student of Mount Royal.

Work Experience

The work experience courses are designed to provide an extension of the learning process in a relevant work environment, giving students an opportunity to further develop their skills alongside funeral service professionals. The work experience courses are typically offered each semester and may often be completed at the same time as the academic courses.

Students are responsible to secure their own work experience placement. Given the fluctuating nature of the labour market, opportunities may vary and students should be prepared to relocate. Any student who exhibits professional misconduct before or during the work experience placement may be required to withdraw from the program.

Police Information Check

Students preparing for work experience courses may be required to provide a current Police Information Check to their Funeral Home employer, at their own expense. It is each employer's decision to accept or reject a student for work experience placement based upon the results of a police information or other background checks. Please refer to the statement regarding police information and other background checks in this calendar.

Non-Graduated Class 5 Driver's License

Students preparing for work experience courses may be required to provide a non-graduated Class 5 driver's license to their Funeral Home employer, at their own expense. It is each employer's decision to accept or reject a student for work experience placement if they do not have a non-graduated Class 5 driver's license. This may also impact the student's ability to complete the program requirements for graduation or to gain employment in the funeral profession.

ADMISSION REQUIREMENTS

Applicants are not required to meet the General Admission Requirements for Mount Royal University programs. Applicants must meet the English Language Proficiency Requirement (if your primary or first language is not English). In addition, applicants must present evidence of funeral-related experience. Official transcripts from all high school and post-secondary institutions attended are required.

CURRICULUM

The certificate is specialized in nature and requires students to complete 11 core courses (1800 hours).

XFDC 20001 – Funeral Directing I
XFDC 20004 – Funeral Directing II
XFDC 20008 – Funeral Directing III
XFDC 20012 – Work Experience I
XFDC 20014 – Psychology of Death & Dying
XFDC 20016 – Business Strategies
XFDC 20019 – Business Communications
XFDC 20024 – Funeral Director Work Experience II
XFDC 20025 – Funeral Trends & Regulations
XFDC 20101 – Introduction to Conflict Resolution
XFDC 20102 – Negotiating with Integrity

GRADUATION REQUIREMENTS

For the purpose of progression and graduation, all students in the Funeral Director certificate must obtain a minimum grade of "C" in all courses with the following exceptions:

- XFDC 20012 – Work Experience I and XFDC 20024 – Funeral Director Work Experience II with a minimum grade of "EP".

To be eligible for graduation, students must satisfy all program requirements. Students must follow the graduation application procedure outlined in the current Mount Royal Academic Calendar. Applications must be submitted by the date published in the calendar.

PROFESSIONAL LICENSING

Graduates of the Funeral Service programs may become licensed as a Funeral Director and/or Embalmer in the province of Alberta. Licensing requirements are governed by the Alberta Funeral Services Regulatory Board. Please refer to the Alberta Funeral Services Regulatory Board for all requirements – afsrb.ab.ca.

Students or graduates residing outside of Alberta should contact the provincial or national regulatory body governing funeral service in their province.

CERTIFICATE — EMBALMER

GENERAL INFORMATION

Mount Royal's Funeral programs prepare students for an entry-level position in the funeral service profession. The majority of courses are delivered online and students learn from expert instructors in an interactive environment. Students may complete their online courses and work experience within their home community. The embalmer certificate specializes in embalming and restorative arts. Students are prepared to become licensed as an Embalmer.

Duration of the Program

Program requirements for certificate completion can be completed in 12 months. Students have six calendar years from the date of initial registration in the Embalmer certificate to complete all requirements. Students seeking an extension beyond six years may be required to complete additional course work.

Residency Requirements

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the dean/director of the appropriate faculty. In addition, the embalming practicum and work experience components of the Funeral Service programs must normally be completed as a student of Mount Royal.

Work Experience

The work experience courses are designed to provide an extension of the learning process in a relevant work environment, giving students an opportunity to further develop their skills alongside funeral service professionals. The work experience courses are typically offered each semester and may often be completed at the same time as the academic courses.

Students are responsible to secure their own work experience placement. Given the fluctuating nature of the labour market, opportunities may vary and students should be prepared to relocate. Any student who exhibits professional misconduct before or during the work experience placement may be required to withdraw from the program.

Police Information Check

Students preparing for work experience courses may be required to provide a current Police Information Check to their Funeral Home employer, at their own expense. It is each employer's decision to accept or reject a student for work experience placement based upon the results of a police information or other background checks. Please refer to the statement regarding police information and other background checks in this calendar.

Non-Graduated Class 5 Driver's License

Students preparing for work experience courses may be required to provide a non-graduated Class 5 driver's license to their Funeral Home employer, at their own expense. It is each employer's decision to accept or reject a student for work experience placement if they do not have a non-graduated Class 5 driver's license. This may also impact the student's ability to complete the program requirements for graduation or to gain employment in the funeral profession.

Personal Protective Equipment

Students participating in the embalming practicum are required to purchase personal protective equipment, at their own expense. The personal protective equipment will be available for purchase at the MRU Bookstore.

Immunizations

Proof of up-to-date immunization status is required for the Embalming Practicum and Embalmer Work Experience, 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 embalming practicum course. Immunizations may take 6-months to complete so students are advised to plan accordingly.

Standard First Aid and Basic Rescuer CPR Level C

At the time of the Embalming Practicum and the Embalmer Work Experience, students will be required to provide proof of current Standard First Aid with CPR C. Evidence of certification is to be provided prior to the beginning of the embalming practicum and must be valid for the duration of the course. Failure to maintain current Standard First Aid with CPR C certification will result in immediate withdrawal from the embalming practicum. All associated costs are the responsibility of the student.

WHMIS

At the time of the Embalming Practicum and the Embalmer Work Experience, students must present evidence of valid WHMIS certification. The certification must be valid for the duration of the embalming practicum course.

ADMISSION REQUIREMENTS

Applicants are not required to meet the General Admission Requirements for Mount Royal University programs. Applicants must meet the English Language Proficiency Requirement (if your primary or first language is not English). In addition, applicants must present evidence of funeral-related experience. Official transcripts from all high school and post-secondary institutions attended are required.

CURRICULUM

The certificate is specialized in nature and requires students to complete 9 core courses (450 hours).

- XFDC 20002 – Embalming Theory I
- XFDC 20005 – Embalming Theory II
- XFDC 20007 – Restorative Art I
- XFDC 20010 – Restorative Art II
- XFDC 20013 – Anatomy & Physiology
- XFDC 20018 – Chemistry
- XFDC 20020 – Microbiology
- XFDC 20022 – Embalmer Work Experience
- XFDC 20023 – Embalming Practicum

GRADUATION REQUIREMENTS

For the purpose of progression and graduation, all students in the Embalmer certificate must obtain a minimum grade of C in all courses with the following exceptions:

- XFDC 20023 – Embalming Practicum and XFDC 20022 – Embalmer Work Experience with a minimum grade of EP.

To be eligible for graduation, students must satisfy all program requirements.

Students must follow the graduation application procedure outlined in the current Mount Royal Academic Calendar. Applications must be submitted by the date published in the calendar.

PROFESSIONAL LICENSING

Graduates of the Funeral Service programs may become licensed as a Funeral Director and/or Embalmer in the province of Alberta. Licensing requirements are governed by the Alberta Funeral Services Regulatory Board. Please refer to the Alberta Funeral Services Regulatory Board for all requirements – **afsrb.ab.ca**.

Students or graduates residing outside of Alberta should contact the provincial or national regulatory body governing funeral service in their province.

DIPLOMA — MASSAGE THERAPY

GENERAL INFORMATION

Apply therapeutic massage techniques and adapt treatments to aid in rehabilitation and pain reduction for special populations. Evaluate the effectiveness of massage therapy on specific client conditions and contribute to the community of knowledge through the integration of student research and practice. Gain valuable experience working hands-on with a variety of clients and conditions. You will achieve the highest standard of training required to work as a massage therapist nationally.

Duration of the Program

Program requirements for diploma completion can be completed in eighteen months. Students have six calendar years from the date of initial registration in the Massage Therapy diploma to complete all requirements. Students seeking an extension beyond six years may be required to complete additional course work.

Residency Requirements

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the dean/director of the appropriate faculty. In addition, the clinical practicum and outreach components of the Massage Therapy certificate and Massage Therapy diploma must normally be completed as a student of Mount Royal.

Police Information Check

Students preparing for Outreach II may be required to provide a current Police Information Check and Vulnerable Sector Check, at their own expense. It is each Outreach agency's decision to accept or reject a student for placement based upon the results of a police information or other background checks. Please refer to the statement regarding police information and other background checks in this calendar.

ADMISSION REQUIREMENTS

Applicants are not required to meet the General Admission Requirements for Mount Royal University programs. Applicants must meet the English Language Proficiency Requirement (if your primary or first language is not English). In addition, official transcripts from all high school and post-secondary institutions attended are required.

CURRICULUM

The diploma is specialized in nature and requires students to complete 37 core courses (2200 hours).

Year One

XPFT 20001 – Human Anatomy
XPFT 20002 – Human Physiology
XMAT 20001 – Massage Concepts & Terminology
XMAT 20002 – Relaxation Massage Techniques
XMAT 20003 – Fundamentals of Charting
XMAT 20004 – Advanced Massage Techniques
XMAT 20005 – Treatments I

XMAT 20006 – Hydrotherapy
XMAT 20200 – Musculoskeletal Anatomy
XMAT 20401 – Pathology I
XMAT 20501 – Therapeutic Exercise I
XMAT 20600 – Orthopedic Assessment
XMAT 20700 – Business of Massage Therapy
XMAT 20701 – Ethics & Communication I
XMAT 20801 – Integrative Studies
XMAT 20910 – Clinical Practicum I
XMAT 20911 – Clinical Practicum II
XMAT 20912 – Clinical Practicum III
XMAT 20913 – Outreach I

Year Two

XMAT 20702 – Ethics & Communication II
XMAT 21021 – Biomechanics
XMAT 21022 – Case Study
XMAT 21023 – Therapeutic Exercise II
XMAT 21030 – Regional Anatomy
XMAT 21031 – Integrative Human Physiology
XMAT 21040 – Neuroanatomy
XMAT 21051 – Pathology II
XMAT 21061 – Regional Palpations
XMAT 21070 – Pharmacology
XMAT 21090 – Clinical Practicum IV
XMAT 21091 – Clinical Practicum V
XMAT 21092 – Outreach II
XMAT 21001 – Fundamentals of Research
XMAT 21101 – Treatments II
XMAT 21102 – Treatments III
XMAT 21110 – OSCE
XPFT 21004 – Introductory Nutrition

GRADUATION REQUIREMENTS

To be eligible for graduation all students in the Massage Therapy diploma must satisfy all program requirements and obtain a minimum grade of B- in all courses with the following exceptions:

- XPFT 20001 – Human Anatomy with a minimum grade of C
- XPFT 20002 – Human Physiology with a minimum grade of C
- XMAT 20401 – Pathology I with a minimum grade of C
- XPFT 21004 – Introductory Nutrition with a minimum grade of D

CERTIFICATE — MASSAGE THERAPY

GENERAL INFORMATION

Apply relaxation and basic therapeutic massage techniques to promote overall health maintenance. Gain valuable experience working with a variety of clients in supervised settings.

Duration of the Program

Program requirements for certificate completion can be completed in nine months. Students have six calendar years from the date of initial registration in the Massage Therapy certificate to complete all requirements. Students seeking an extension beyond six years may be required to complete additional course work.

Residency Requirements

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the dean/director of the appropriate faculty. In addition, the clinical practicum and outreach components of the Massage Therapy certificate and Massage Therapy diploma must normally be completed as a student of Mount Royal.

Police Information Check

Students preparing for Outreach II may be required to provide a current Police Information Check and Vulnerable Sector Check, at their own expense. It is each Outreach agency's decision to accept or reject a student for placement based upon the results of a police information or other background checks. Please refer to the statement regarding police information and other background checks in this calendar.

ADMISSION REQUIREMENTS

Applicants are not required to meet the General Admission Requirements for Mount Royal University programs. Applicants must meet the English Language Proficiency Requirement (if your primary or first language is not English). In addition, official transcripts from all high school and post-secondary institutions attended are required.

CURRICULUM

The certificate is specialized in nature and requires students to complete 19 core courses (1100 hours).

XPFT 20001 – Human Anatomy
XPFT 20002 – Human Physiology
XMAT 20001 – Massage Concepts & Terminology
XMAT 20002 – Relaxation Massage Techniques
XMAT 20003 – Fundamentals of Charting
XMAT 20004 – Advanced Massage Techniques
XMAT 20005 – Treatments I
XMAT 20006 – Hydrotherapy
XMAT 20200 – Musculoskeletal Anatomy
XMAT 20401 – Pathology I
XMAT 20501 – Therapeutic Exercise I
XMAT 20600 – Orthopedic Assessment
XMAT 20700 – Business of Massage Therapy
XMAT 20701 – Ethics & Communication I
XMAT 20801 – Integrative Studies
XMAT 20910 – Clinical Practicum I
XMAT 20911 – Clinical Practicum II
XMAT 20912 – Clinical Practicum III
XMAT 20913 – Outreach I

GRADUATION REQUIREMENTS

To be eligible for graduation all students in the Massage Therapy certificate must satisfy all program requirements and obtain a minimum grade of B- in all courses with the following exceptions:

- XPFT 20001 – Human Anatomy with a minimum grade of C
- XPFT 20002 – Human Physiology with a minimum grade of C
- XMAT 20401 – Pathology I with a minimum grade of C
- XMAT 20913 – Outreach I with a minimum grade of EP

Students must follow the graduation application procedure outlined in the current Mount Royal Academic Calendar. Applications must be submitted by the date published in the calendar.

DIPLOMA — PERSONAL FITNESS TRAINER

GENERAL INFORMATION

Mount Royal's Personal Fitness Trainer diploma presents a comprehensive health science education with an emphasis on treating special populations. The outcomes based curriculum consists of academic and technical courses including practical skill development. Students are prepared for entry into professional practice possessing the ability to apply basic assessment skills and design, implement and manage a variety of fitness programs.

Graduates achieve the highest standard of training required to work as a Personal Fitness Trainer and are eligible for the Canadian Society for Exercise Physiology-Certified Personal Trainer national certification.

Residency Requirements

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the dean/director of the appropriate faculty. In addition, the practicum components of the Personal Fitness Trainer diploma must normally be completed as a student of Mount Royal.

Practicum Requirements

All students will be selected for practicum on the basis of academic performance, professional suitability and availability of practicum sites.

At the time of the practicum, students will be required, at their own expense, to provide proof of current Standard First Aid with CPR C. Evidence of certification is to be provided prior to the commencement of practicum and must be valid for the duration of the program. Failure to maintain current Standard First Aid with CPR C certification will result in immediate withdrawal from the practicum course(s).

Duration of the Program

Program requirements for diploma completion can be completed in two years. Students have six calendar years from the date of initial registration in the Personal Fitness Trainer diploma to complete all requirements. Students seeking an extension beyond six years may be required to complete additional course work.

ADMISSION REQUIREMENTS

Applicants are not required to meet the General Admission Requirements for Mount Royal University programs. Applicants must meet the English Language Proficiency Requirement (if your primary or first language is not English). In addition, official transcripts from all high school and post-secondary institutions attended are required.

CURRICULUM

The Personal Fitness Trainer diploma is specialized in nature and requires students to complete a total of 22 core courses (1060 hours).

Year One

- XPFT 20001 – Human Anatomy
- XPFT 20002 – Human Physiology
- XPFT 20104 – Effective Communication
- XPFT 20200 – Exercise Physiology
- XPFT 20201 – Applied Movement Mechanics
- XPFT 20401 – Fitness Program Design
- XPFT 21001 – Health and Wellness
- XPFT 21002 – Health Promotion and Training
- XPFT 21003 – Strength Training I
- XPFT 21004 – Introductory Nutrition
- XPFT 21005 – Practicum I

Year Two

- XPFT 20300 – Principles and Methods of Training
- XPFT 20400 – Fitness Appraisal and Lifestyle Counseling
- XPFT 20402 – Leadership Development
- XPFT 20600 – Business Management and Marketing
- XPFT 22001 – Growth and Motor Development
- XPFT 22002 – Injury Prevention and Care
- XPFT 22003 – Strength Training II
- XPFT 22004 – Special Populations – General
- XPFT 22005 – Special Populations – Older Adults
- XPFT 22006 – Practicum II
- XPFT 22007 – Psychology of Exercise

GRADUATION REQUIREMENTS

For the purpose of progression and graduation, all students in the Personal Fitness Trainer diploma must satisfy all diploma requirements and obtain a minimum grade of "C" in all courses with the following exceptions:

- XPFT 21004 – Introductory Nutrition with a minimum grade of D
- XPFT 21005 – Practicum I and XPFT 22006 – Practicum II with a minimum grade of EP.

Students must follow the graduation application procedure outlined in the current Mount Royal Academic Calendar. Applications must be submitted by the date published in the calendar.

CSEP-CPT Certification

Upon graduating from the Personal Fitness Trainer diploma program, students can pursue certification to become a Canadian Society for Exercise Physiology – Certified Personal Trainer. Details about certification requirements can be found on the Canadian Society for Exercise Physiology (CSEP) website – csep.ca

OPEN STUDIES

GENERAL INFORMATION

Open Studies provides a highly flexible opportunity for students to explore their educational options at Mount Royal. It is designed for students who would like to combine different types of study and/or for students who may be undecided about their post-secondary goals. Students may choose to combine post-secondary credit classes with non-credit academic upgrading courses. Open Studies provides full- or part-time learning opportunities for students who:

- wish to participate in post-secondary education but do not wish to enter a specific program of study at this time;
- would like to sample courses in order to determine what program of study to pursue;
- wish to take courses for professional development or personal interest;
- need to pick up a course(s) to meet the admission requirements for their intended program of interest;
- wish to improve high school grades to become competitive for admission;
- may have missed an admission deadline for a specific program; or
- are returning to school and wish to refresh skills after an absence.

NOTE: Students can complete a maximum of 30 credits (normally ten courses) as an Open Studies and/or University Entrance student. Any awarded grade (including F) will count towards the limitation but withdrawals do not. Academic upgrading courses do not carry any credit value and, as such, do not count towards the 30 credit limit. Students who reach this limit and who have not been admitted into a Mount Royal program will not be permitted to register in additional credit courses. There is no appeal process to extend this limit. Students are strongly encouraged to consult with an advisor before they reach the limit.

ADMISSION REQUIREMENTS

Open Studies applicants are not required to meet the General Admission Requirements for Mount Royal programs. Open Studies does not have specific course-based admission criteria, thereby providing students with an opportunity to upgrade and prepare for further post-secondary studies.

Applicants are required to provide the appropriate official documentation to meet the English Language Proficiency Requirement if their mother tongue (first language spoken as a child) is not English (see English Language Proficiency Requirement). In addition, official transcripts from all high school and post-secondary institutions attended are required for admission.

Open Studies students:

- may take upgrading courses alone or in combination with university-level courses,
- are allowed to earn a maximum of 30 credits (typically 10-three credit courses) in Open Studies and/or the University Entrance Option (Any awarded grade (including F) will count towards the limitation but withdrawals do not.),
- are not eligible to receive a Letter of Permission to take a course or courses from other institutions,
- do not have access to restricted courses (i.e., those reserved for program students).

Students who wish to upgrade their high school courses may enroll in various credit-free high school equivalency courses offered at Mount Royal. While these courses are not eligible for Alberta Education graduation credits or transcript purposes, they are accepted as alternative entrance requirements for undergraduate programs offered by Mount Royal and other Alberta universities.

Open Studies students often will take courses that lead towards program requirements for a Mount Royal University program. Please consult the appropriate section in this calendar for course requirements for Mount Royal programs, and/or Academic Advising Services: mtroyal.ca/beadvised.

GRADUATION REQUIREMENTS

Academic Upgrading and Open Studies are access routes to undergraduate studies. As such, there are no graduation requirements.

FACULTY OF HEALTH, COMMUNITY AND EDUCATION

PROGRAMS OFFERED

Bachelor of Child Studies BCST

Bachelor of Education — Elementary BEd

Bachelor of Health and Physical Education BHPE

Bachelor of Midwifery BMid

Bachelor of Nursing BN

Diploma – Social Work

Certificate – Athletic Therapy

Post-Basic Nursing Certificates

Advanced Studies in Critical Care Nursing

 Critical Care Nursing

 Emergency Nursing

Bridge to Canadian Nursing – Certificate of Achievement

BACHELOR OF CHILD STUDIES

GENERAL INFORMATION

The Bachelor of Child Studies (BCST) is a four year baccalaureate degree. This unique interdisciplinary program draws on the disciplines of Child and Youth Care and Early Learning by offering a choice of two majors; Child and Youth Care Counsellor (CYCC) or Early Learning and Child Care (ELCC). The Bachelor of Child Studies combines theoretical knowledge with practical skills to prepare students to take leadership roles in the provision of services for children, youth and families in community settings. Course work will focus on the development of knowledge and abilities that support an understanding of leadership, interdisciplinary collaboration, policies and systems, and mentoring skills. Course work will also build upon individual and group programming skills by facilitating a greater understanding of assessment and behavioral strategies, mental health interventions and collaborations with families. Community-based experiences, in the form of fieldwork and practicum, are key components of this program - where experiential learning in the first three years of the degree will provide students with opportunities to integrate theoretical concepts with practical applications. The fourth year of the program will offer students a capstone course in which they will participate in a faculty-supervised, collaborative project that may include applied research, a community development project and/or unique applied practical experience.

The Bachelor of Child Studies degree will develop reflective practitioners to meet the ever-growing labour market demand for professionals to work with children and youth. The degree will prepare graduates who are highly-qualified for direct employment in a vast array of community-based settings. Graduates will be able to develop and support individualized program needs or make referrals to services required by children, staff and families, as well as understand how to work collaboratively from an interdisciplinary perspective. Graduates with a major in Early Learning and Child Care will meet the certification requirements for a Child Development Supervisor from Alberta Child Care Staff Certification. Graduates with a major in Child and Youth Care Counsellor are eligible to begin the process of certification with the Child and Youth Care Association of Alberta.

Background Checks

All students preparing for practicum must provide a current Police Information Check and Intervention Record Check, at their own expense. It is each practicum agency's decision to accept or reject a student for placement based upon the results of a police information or other background checks. Since completion of course requirements and eventual employment in a field of study may be dependent upon the results of such checks, students who have concerns should discuss the matter with the department chair.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Child Studies program:

- English Language Arts 30-1 – 60%

CYCC or ELCC Post-Diploma Entrance Option

Students possessing a completed CYCC or ELCC diploma from an accredited post-secondary institution, may apply through a competitive process directly into the BCST. Students accepted with a post-secondary diploma may receive transfer credit for up to 60 credits (20 courses) towards the Bachelor of Child Studies.

Indigenous Student Admission

Each year up to 15% of the seats in the Bachelor of Child Studies program will be reserved for Indigenous applications through an Indigenous admission target. To be considered for admission under the Indigenous admission target, the applicant must:

- a. self-identify as an Indigenous applicant on the Application for Admission
- b. meet the definition of an Indigenous Applicant
- c. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during early admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

See general admission requirements in the Admission section of this calendar for further information.

Declaration of Major

There are two majors in the Bachelor of Child Studies: Child and Youth Care Counsellor and Early Learning and Child Care. Students declare a major upon application to the BCST program.

CURRICULUM

Bachelor of Child Studies – Child and Youth Care Counsellor Major

In the Child and Youth Care Counsellor major, students will learn to advocate for, counsel and nurture vulnerable children, youth and families. The children and youth may have suffered physical, sexual or emotional abuse, neglect, family breakdown and may have behavioural or learning difficulties. The courses will explore the dynamics of abuse and neglect in child and youth care theory and practice, development, intervention and treatment strategies, and counselling theory and skills. Students will be required to have a current CPR and First Aid Certificate prior to entry into the second year practicum placement.

CYCC 1110 – Fundamental Skills in Interviewing

CYCC 1130 – Mental Health and Substance Abuse Issues

CYCC 1132 – The Profession of Child and Youth Care

CYCC 1142 – Fieldwork

CYCC 2216 – Group Process and Counselling Theory

CYCC 2221 – Fundamental Skills in Counselling

CYCC 2226 – Assessment and Intervention

CYCC 2232 – Working with Vulnerable Children, Youth and Families

CYCC 2235 – Youth Care Practice with Families

CYCC 2241 – Practicum I

CYCC 2242 – Practicum II

CHST 3101 – Foundations of Interdisciplinary Practice

CHST 3103 – Child Development and Plasticity

CHST 3105 – Child and Youth Human Rights

CHST 3107 – Principles of Program Design

CHST 3202 – Community Based Research and Evaluation

CHST 3204 – Leadership and Collaboration

CHST 3206 – Practicum III

CHST 4103 – Mental Health Interventions

CHST 4105 – Studies in Systems and Social Policy

CHST 4204 – Contemporary Issues in Child Studies

CHST 5101 – Capstone I

CHST 5202 – Capstone II

INTS 1240 – Fundamentals of Professional Communication

PSYC 1105 – Introduction to Psychology

Four Elective courses

10 General Education courses

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Child Studies – Child and Youth Care Counsellor.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. PSYC 2235 – Life-Span Development
4. PSYC 3351 – Topics in Child Development or PSYC 3355 – Topics in Adolescence
5. One additional course from the third tier in clusters 1, 3, or 4.

For a description of General Education program requirements, refer to the section entitled General Graduation Requirements. For General Education course information, visit mtroyal.ca/gened/courses. Students are encouraged to meet with an advisor before registering in all support courses.

GRADUATION REQUIREMENTS

Eligibility to graduate from a Mount Royal program requires that a student meet all of the following conditions:

- (a) has been officially admitted into the program;
- (b) has completed at least 25% of the graduation requirements as a student within the program;
- (c) has met the residency requirement;
- (d) satisfies all program requirements specified in the curriculum at the time of admission to the program or the current program;
- (e) meets the requirements for Good Standing at the time the application to graduate is evaluated.

Students should also be aware that there is a limit on the number of 1xxx level (i.e., junior) courses that can be used to satisfy program requirements. Exceptions to any of these conditions must be approved, in writing, by the Dean of the program from which the student is applying to graduate.

Bachelor of Child Studies – Early Learning and Child Care Major

In the Early Learning and Child Care major, students will discover that play is a powerful force in a child's development. They will learn about the developmental needs of children from infancy to age 12, gaining the ability to design, co-construct and implement play experiences for children and to communicate effectively with parents and professionals. With emphasis on real-world learning situations along with lab simulations, role-playing and discussion groups, students will be prepared to provide care and learning for all children, including those who have special needs.

CHST 3101 – Foundations of Interdisciplinary Practice

CHST 3103 – Child Development and Plasticity

CHST 3105 – Child and Youth Human Rights

CHST 3107 – Principles of Program Design

CHST 3202 – Community Based Research and Evaluation

CHST 3204 – Leadership and Collaboration

CHST 3206 – Practicum III

CHST 4103 – Mental Health Interventions

CHST 4105 – Studies in Systems and Social Policy

CHST 4204 – Contemporary Issues in Child Studies

CHST 5101 – Capstone I

CHST 5202 – Capstone II

ELCC 1104 – The Profession of Early Learning and Child Care

ELCC 1109 – Principles of Development I

ELCC 1110 – Learning Through Play I

ELCC 1180 – Field Work

ELCC 2110 – Learning Through Play II

ELCC 2121 – Guidance and Planning

ELCC 2209 – Principles of Development II

ELCC 2211 – Child, Family and Community

ELCC 2213 – Health, Safety, and Nutrition

ELCC 2215 – Young Children with Special Needs

ELCC 2282 – Practicum I

ELCC 2285 – Practicum II

Five Elective courses

10 General Education courses

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Child Studies – Early Learning and Child Care.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

For a description of General Education program requirements, refer to the section entitled General Graduation Requirements. For General Education course information, visit mtroyal.ca/gened/courses. Students are encouraged to meet with an advisor before registering in all support courses.

GRADUATION REQUIREMENTS

Eligibility to graduate from a Mount Royal program requires that a student meet all of the following conditions:

- (a) has been officially admitted into the program;
- (b) has completed at least 25% of the graduation requirements as a student within the program;
- (c) has met the residency requirement;
- (d) satisfies all program requirements specified in the curriculum at the time of admission to the program or the current program;
- (e) meets the requirements for Good Standing at the time the application to graduate is evaluated.

Students should also be aware that there is a limit on the number of 1xxx level (i.e., junior) courses that can be used to satisfy program requirements. Exceptions to any of these conditions must be approved, in writing, by the Dean of the program from which the student is applying to graduate.

BACHELOR OF EDUCATION

PROGRAM OFFERED

Bachelor of Education – Elementary

GENERAL INFORMATION

The Bachelor of Education – Elementary is a four (4) year baccalaureate degree program that prepares its graduates for certification under the Professional Standards Branch of Alberta Education. The program is both course and experience based, with courses deliberately arranged to generate synergy among them. The curriculum is designed to create a holistic experience for education students in their understanding of teaching, learning and assessment. Students graduate with an evolving teaching philosophy based on opportunities to research, discuss and critically analyze aspects of education and schooling throughout the program. Several courses, both core and elective, require students to participate in relevant classroom experiences in the community. In addition, two practicum experiences are featured in the final years of study. Students must complete a minor from the approved list. The Bachelor of Education program responds to recurrent calls for an increase in Indigenous teachers, in part by direct entry into the program and by dedicating seats in the education courses.

Reading Break

All students must be available full-time for the entire four month semester during practicum term(s) to accommodate varied placement schedules within school districts/divisions/boards. Students registered in EDUC 4020 or EDUC 4030 should be aware the winter reading week will not likely be the same as the scheduled Mount Royal Reading Week. These students will be informed of when the winter reading week will occur before the beginning of the winter semester. All other students in the program will have reading weeks congruent with the Mount Royal scheduled reading weeks.

Computer Needs

Bachelor of Education – Elementary students will require access to a portable computer with sufficient power, capacity and internet access during regular classroom activities. Students will be using widely available and free-for-use open source software that generally needs to be downloaded and stored. It is advised that students check with computer suppliers to ensure that their computer will function effectively under these circumstances.

Continuance in the Program

A student who remains in Good Standing is eligible to continue in their program of studies.

Note: See 'Additional Curriculum Requirements' section for possible restrictions.

Student Conduct

The Code of Student Conduct is intended to establish the general obligation to maintain the highest standards of academic honesty and personal conduct according to community standards of respectful and responsible behaviour. For complete information visit: mtroyal.ca/StudentConduct

Police Information Check

All students in the Education program are required to have a current Police Information Check and Vulnerable Sector Check prior to commencing classes, at their own expense. Schools require the presentation of these checks for participation in field experience and practicum. Students may be required to complete more than one Police Information Check during their program. Since completion of course requirements and eventual employment is dependent upon the results of such checks, students who have concerns should discuss the matter with the department chair.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Education program:

- English Language Arts 30-1 – 65%
- Mathematics 30-1 or 30-2 or a second Language 30

Minimum Overall Average Required for Final Admission

To be eligible for admission on the basis of High School, applicants must present a minimum admission average of 70% on their five appropriate Grade 12 subjects. To be eligible for admission on the basis of Post-secondary standing, applicant must present a minimum Grade Point Average (GPA) of 2.50 on the eight most recently completed post-secondary courses (minimum 24 credits).

Although conditional admission may be granted before final/official transcripts are available, confirmation of the achievement of specified minimum grades will take place after all final/official transcripts have been received.

Application Deadline: February 1

The application for admission and all supporting documents (required for admission assessment) must be received by this date.

Indigenous Student Admission

Each year up to 7% of the seats in the Bachelor of Education – Elementary program will be reserved for Indigenous applications through an Indigenous admission target. To be considered for admission under the Indigenous admission target, the applicant must:

- self-identify as an Indigenous applicant on the Application for Admission
- meet the definition of an Indigenous 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

See general admission requirements in the Admission section of this calendar for further information.

CURRICULUM

EDUC 1231 – Professional Dimensions I

EDUC 1233 – Professional Dimensions II

EDUC 2321 – Education and Individual Development

EDUC 2325 – Understanding Current & Emerging Pedagogical Technologies

EDUC 2371 – Language Development and Literacy

EDUC 2375 – Effective Assessment – Measurement and Evaluation

EDUC 3010 – Practicum I (5 weeks)

EDUC 3103 – Program of Studies and Curriculum Instruction in Teaching English Language Arts

EDUC 3106 – Program of Studies and Curriculum Instruction in Teaching Science

EDUC 3108 – Program of Studies and Curriculum Instruction in Teaching Mathematics

EDUC 3351 – Aboriginal Cultural Dimensions and Classroom Applications

EDUC 3361 – Exceptional Students, Special Needs, & Inclusive Schooling

EDUC 4030 – Practicum II (semester long practicum)

EDUC 4101 – Program of Studies and Curriculum Instruction in Teaching Art

EDUC 4104 – Program of Studies and Curriculum Instruction in Teaching Music

EDUC 4105 – Program of Studies and Curriculum Instruction in Teaching Physical Education

EDUC 4107 – Program of Studies and Curriculum Instruction in Teaching Social Studies

EDUC 4201 – Integrating Ideas, Values and Praxis (capstone course)

General Education Requirement Cluster 1, Foundation

General Education Requirement Cluster 2, Foundation

General Education Requirement Cluster 3, Foundation

General Education Requirement Cluster 4, Foundation

General Education Requirement Cluster 1, Tier 2

General Education Requirement Cluster 2, Tier 2*

General Education Requirement Cluster 3, Tier 2**

General Education Requirement Cluster 4, Tier 2*

Subject Minor Non-Education course

Subject Minor Non-Education course

Subject Minor Non-Education course

Subject Minor Non-Education course

Subject Minor Non-Education course

Subject Minor Non-Education course

Subject Minor Non-Education courses/Open Elective

Subject Minor Non-Education courses/Open Elective

Subject Minor Non-Education courses/Open Elective

Subject Minor Non-Education courses/Open Elective

Education Elective

Education Elective

* A literature course must be included in the General Education Requirement Tier 2, Cluster 2 or 4 to fulfill the requirements of Alberta Education for teacher certification.

** A Canadian studies course must be included in the General Education Requirement Tier 2, Cluster 3 to fulfill the requirements of Alberta Education for teacher certification.

It is strongly recommended that all students consult with the Education Advisor to ensure that all teacher certification requirements are also satisfied with appropriate course selections throughout this degree.

Additional Curriculum Requirements

Students enrolled in the Bachelor of Education – Elementary program are bound by, and shall comply with, the Alberta Teacher's Association Professional Code of Conduct and the Department of Education Field Experience and Practicum Handbooks. Refer to the Field Experience and Practicum Handbooks for details. Issues of non-compliance will warrant the student being required to withdraw from the program. This would apply to egregious issues such as situations of abuse of professional power or potential breaches of the Criminal Code. Students are responsible for familiarizing themselves with the policies and procedures of Mount Royal University as outlined in the Calendar, Code of Student Conduct and the Student Handbook: Bachelor of Education program. Refer to the Student Handbook for details.

Students must achieve a minimum of 'B' grade in EDUC 1231 and EDUC 1233 courses. Grades below a 'B' grade must be replaced by repeating the course before students may progress to any further education courses.

Students must choose from one of the following approved minors:

- Elementary School Health and Physical Education
- English
- French
- General Science for Elementary Education
- History
- Humanities
- Indigenous Studies
- Linguistics
- Mathematics for Elementary Education
- Social Studies
- Spanish
- TESL

General Education

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

GRADUATION REQUIREMENTS

Eligibility to graduate from a Mount Royal program requires that a student meet all of the following conditions: (a) has been officially admitted into the program; (b) has completed at least 25% of the graduation requirements as a student within the program; (c) has met the residency requirement; (d) satisfies all program requirements specified in the curriculum at the time of admission to the program or the current program; (e) meets the requirements for Good Standing at the time the application to graduate is evaluated. Exceptions to any of these conditions must be approved, in writing, by the Dean of the program from which the student is applying to graduate.

BACHELOR OF HEALTH AND PHYSICAL EDUCATION

GENERAL INFORMATION

The Bachelor of Health and Physical Education (BHPE) is a four (4) year degree program that will prepare graduates for employment within the health, fitness, sport and recreation sectors, ecotourism and outdoor leadership, or for further education in graduate or professional programs. The four majors offered within the BHPE are: Athletic Therapy (AT), Ecotourism and Outdoor Leadership (EL), Physical Literacy (PL), and Sport and Recreation Management (SR). The degree includes a General Education component to ensure a well-rounded liberal arts education.

One of the goals of this degree is to increase the number of trained and educated health and physical education specialists to proactively contribute to the promotion of good health and wellness of Canadians. With an emphasis on health throughout all four majors, the BHPE will provide students with both breadth and depth in the health and physical education field. The foundations of health and physical activity within the degree guide the course content and delivery for a focus on creating healthier individuals through participation in physical activity. This includes gaining a better understanding of healthier lifestyle choices and providing more opportunities to live healthier lives. Our graduates will go on to facilitate healthy lifestyle choices for innumerable Albertans. Graduates will be well-prepared for the workforce through the program's coursework and community-based practicum experiences.

The BHPE, with an emphasis on experiential pedagogy and a rigorous outcomes-based program, is attractive to students who want to pursue a career as athletic therapists, tourism and recreation leaders, activity specialists, recreation facility managers, community development facilitators, coaches, sport consultants, adventure therapists, fitness trainers, fitness directors, wellness coordinators, wilderness guides, health educators, health care professionals and physical education teachers among others.

Residency Requirement

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University, except where written approval has been given by the Dean of the appropriate Faculty. In addition, the practicum component of the BHPE must normally be completed as a student of Mount Royal.

Duration of the Program

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

Police Information Check

Students preparing for practicum may be required to provide a current Police Information Check and Vulnerable Sector Check, at their own expense. It is each practicum agency's decision to accept or reject a student for placement based upon the results of a police information and/or vulnerable sector check. Since completion of course requirements and eventual employment in a field of study may be dependent upon the results of such checks, students who have concerns should discuss the matter with the department chair. Please refer to the statement regarding police information and other background checks in this calendar.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or their equivalencies) with the specified minimum grades are required for admission into the BHPE program:

- English Language Arts 30-1 – 60%
- Mathematics 30-1 or 30-2
- Biology 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 into the program.

See general admission requirements in the Admissions section of this calendar for further information.

Indigenous Student Admission

Each year 4% of the seats in the Bachelor of Health and Physical Education program will be reserved for Indigenous applicants through an Indigenous admission target. To be considered for admission under the Indigenous admission target, the applicant must:

- a. self-identify as an Indigenous applicant on the Application for Admission
- b. meet the definition of an Indigenous Applicant
- c. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

Declaration of Major

As part of the admission process, students may select one of four majors. Once in progress, students may change their major. Students who choose to change their major to either Physical Literacy or Sport and Recreation Management must do so by completing a Declaration of Major form. This form will be available online and through the Academic Advisors in the Department of Health and Physical Education.

Note: The majors in Athletic Therapy and Ecotourism and Outdoor Leadership have an enrolment cap therefore students who are interested in pursuing a major in either must formally apply for admission to the BHPE – Athletic Therapy or BHPE – Ecotourism and Outdoor Leadership using the Application for Admission (via MyMRU). Please see the Admission section of the calendar for more detail.

Declaration of Minor

Students enrolled in the BHPE, with the majors of: Ecotourism and Outdoor Leadership, Physical Literacy, and Sport and Recreation Management may pursue a minor offered by any Faculty at Mount Royal University. To receive a minor, a student must meet the specific minor requirements of that Faculty. Refer to the Minors section of this Calendar.

Students who have decided on their minor are advised to declare their minor as soon as possible to facilitate proper course selection and planning. In order to declare a minor students will be required to complete the Declaration of Minor form which is available online and through the Academic Advisors in the Department of Health and Physical Education.

GRADUATION REQUIREMENTS

To be eligible for graduation, Bachelor of Health and Physical Education students must achieve a minimum final grade of “C” in each core course and major course. Students must satisfactorily complete all of the Mount Royal General Graduation Requirements as published in this Calendar as well as all the Major specific graduation requirements.

Students must follow the graduation application procedure outlined in the current Mount Royal Calendar. Applications must be submitted by the date published in the Calendar. All BHPE students must successfully complete at least two practicum related courses in order to graduate (see major specific curriculum for additional information).

CURRICULUM

The Bachelor of Health and Physical Education (BHPE) requires students to complete a total of 120 credits (the equivalent of 40 three credit courses). The 120 credits required will be taken from the following areas: the BHPE core, major specific, General Education* and electives.

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

BACHELOR OF HEALTH AND PHYSICAL EDUCATION – ATHLETIC THERAPY MAJOR

The Athletic Therapy major will contribute to Alberta's health care system by training graduates who are prepared to become Certified Athletic Therapists. Graduates will develop competency in emergency management, injury assessment, therapeutic modalities, rehabilitation techniques, and clinic management and administration. These competencies will allow them to practice in sports medicine clinics, with amateur and professional sports teams, or at high school and post-secondary institutions. Some graduates will open their own private practices and all will have strong skills in the leadership and promotion of good health and wellness.

All BHPE – Athletic Therapy major students must complete the following courses in order to complete the BHPE core and major specific degree requirements:

BHPE Core Requirements (Nine courses)

ATTH 5100 – Issues in Athletic Therapy

HPED 1000 – Issues in Health and Physical Education

HPED 1010 – Historical and Philosophical Foundations

HPED 1020 – Leadership and Communication

HPED 1040 – Wellness and the Student: From Personal Health to Community Action

HPED 1070 – Foundations for Outdoor Leadership

HPED 2030 – Statistics and Research Methods

HPED 2050 – Professional Practice

HPED 3010 – Sociological Perspectives

Athletic Therapy Major Requirements (28 courses)

ATTH 2112 – Clinical Musculoskeletal Anatomy

ATTH 2505 – Prevention and Care of Athletic Injuries

ATTH 3110 – Musculoskeletal Assessment – Peripheral

ATTH 3120 – Therapeutic Modalities

ATTH 3130 – Rehabilitation Techniques I

ATTH 3150 – Clinical Practicum I

ATTH 3152 – Clinical Practicum II

ATTH 3160 – Field Practicum I

ATTH 3162 – Field Practicum II

ATTH 4110 – Musculoskeletal Assessment – Spinal

ATTH 4130 – Rehabilitation Techniques II

ATTH 4140 – Practical Clinical Management and Administration

ATTH 4150 – Clinical and Field Practicum III

ATTH 4152 – Clinical and Field Practicum IV

HPED 2507 – Nutrition and Health

HPED 2830 – Introductory Flexibility and Relaxation

HPED 2850 – Introductory Strength Training

HPED 3030 – Research Methods and Statistics for Health Professionals

PHYL 1512 – Human Anatomy

PHYL 1530 – Movement Education

PHYL 1550 – Individual Activities

PHYL 2510 – Sport & Exercise Psychology

PHYL 2514 – Human Physiology

PHYL 2520 – Introductory and Intermediate Coaching

PHYL 3320 – Adapted Physical Activity

PHYL 3514 – Exercise Physiology

PHYL 3516 – Biomechanics

PHYL 3518 – Physical Growth and Development

PHYL 4518 – Motor Learning

Five General Education courses

General Education Requirements

Five courses must be completed to meet the General Education requirements to graduate with a Bachelor of Health and Physical Education – Athletic Therapy

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. One course will be taken at the second tier

Students admitted to the Bachelor of Health and Physical Education – Athletic Therapy program requires specific general education courses to meet graduation requirements. These are specified in the program curriculum. For incoming students in the BHPE program, it is important to seek clarification of these requirements and up-to-date registration information through an Academic Advisor in the Department of Health and Physical Education. For details on the nature and structure of General Education visit: mtroyal.ca/gened/courses.

Continuance Requirements

In order for students to progress into the third year of the Athletic Therapy Major, students must provide proof of completion of a course in:

1. Taping and Prophylactic Support and;
2. First Responder for Athletic Therapy. Both courses are typically offered in August each year. Students will be required to make the appropriate arrangements to be available and attend these courses when offered.

CATA Certification

Once students have graduated from the BHPE – Athletic Therapy program students can pursue certification to become a Certified Athletic Therapist – CAT(C). Details about certification requirements can be found on the Canadian Athletic Therapists' Association (CATA) website – athletictherapy.org

Note: Students will be required to provide proof of a valid First Responder certificate along with all courses in this program to be eligible to take the Canadian Athletic Therapists' Association (CATA) national certification examination.

BACHELOR OF HEALTH AND PHYSICAL EDUCATION – ECOTOURISM AND OUTDOOR LEADERSHIP MAJOR

The Ecotourism and Outdoor Leadership major contributes to Alberta's social and economic health. The support of the health and wellness of Albertans occurs by generating competent, knowledgeable, and enthusiastic facilitators of contact with our natural world. Graduates have skills and knowledge in tourism, business, sociocultural heritage, and outdoor leadership that allow them to contribute to the vast tourism sector in Alberta. These graduates are prepared to provide leadership and strong contributions to the growing eco and adventure tourism sectors.

All students in the Ecotourism and Outdoor Leadership major must complete the following courses in order to complete the Bachelor of Health and Physical Education – Ecotourism and Outdoor Leadership.

BHPE Core Requirements (Nine courses)

ETOL 5200 – Issues in Ecotourism and Outdoor Leadership

HPED 1000 – Issues in Health and Physical Education

HPED 1010 – Historical and Philosophical Foundations

HPED 1020 – Leadership and Communication

HPED 1040 – Wellness and the Student: From Personal Health to Community Action

HPED 1070 – Foundations for Outdoor Leadership

HPED 2030 – Statistics and Research Methods

HPED 2050 – Professional Practice

HPED 3010 – Sociological Perspectives

Ecotourism and Outdoor Leadership Major Requirements (20 courses)

ECOL 1210 – Ecology

ENTR 2301 – The Entrepreneurial Experience

ETOL 2230 – Sustainable Tourism

ETOL 2270 – Theory and Practice in Leadership

ETOL 3230 – Ecotourism Facilitation Skills

ETOL 3270 – Expedition*

ETOL 4270 – Applied Leadership

GEOG 1101 – The Physical Environment

HPED 1640 – Program Planning

HPED 2870 – Introductory Backpacking

HPED 2880 – Introductory Canoeing

HPED 2884 – Introductory Winter Travel

HPED 3050 – Practicum

HPED 3630 – Recreation and Sport Tourism

MKTG 2150 – Introduction to Marketing

Pick five of six courses

HPED 2871 – Introductory Mountain Travel

HPED 2872 – Wilderness Survival Techniques

HPED 2873 – Introductory Rock Climbing

HPED 2875 – Introductory Mountain Biking

HPED 2881 – Introductory Kayaking

HPED 3884 – Winter Backcountry Travel

Five Elective courses

10 General Education courses

* ETOL 3270 consists of a 10 day expedition in early May or late August. Students will be responsible for personal subsistence costs associated with ETOL 3270. For more details, consult an Academic Advisor in the Department of Health and Physical Education.

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Health and Physical Education – Ecotourism and Outdoor Leadership.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Students admitted to the Bachelor of Health and Physical Education should seek clarification of these requirements and up-to-date registration information through an Academic Advisor in the Department of Health and Physical Education. For details on the nature and structure of General Education visit: mtroyal.ca/gened/courses.

MAJOR-SPECIFIC GRADUATION REQUIREMENTS

Students must complete and provide proof of completion of the following graduation requirements:

- A self-directed outdoor expedition, approved by the department;
- Current 40hr Wilderness First Aid;
- An advanced certificate related to the ecotourism and outdoor leadership field, approved by the department.

BACHELOR OF HEALTH AND PHYSICAL EDUCATION – PHYSICAL LITERACY MAJOR

The Physical Literacy major provides an opportunity for graduates to contribute to the physical, emotional, and psychological wellness effects of living an active life. Students who complete this major will contribute to the Provincial focus on health and physical education. Graduates will have the skills and knowledge to shift the focus to the importance of physical activity and healthy lifestyles through educating, facilitating and promoting healthy and active lifestyles at the community and recreation levels throughout Alberta.

All BHPE – Physical Literacy major students must complete the following courses in order to complete the BHPE core and major specific degree requirements:

BHPE Core Requirements (Nine courses)

HPED 1000 – Issues in Health and Physical Education

HPED 1010 – Historical and Philosophical Foundations

HPED 1020 – Leadership and Communication

HPED 1040 – Wellness and the Student: From Personal Health to Community Action

HPED 1070 – Foundations for Outdoor Leadership

HPED 2030 – Statistics and Research Methods

HPED 2050 – Professional Practice

HPED 3010 – Sociological Perspectives

PHYL 5300 – Issues in Physical Literacy and Health

Physical Literacy Major Requirements (18 courses)

ATTH 2505 – Prevention and Care of Athletic Injuries

HPED 2507 – Nutrition & Health

HPED 3050 – Practicum

PHYL 1310 – Teaching Games for Understanding

PHYL 1512 – Human Anatomy (This course fulfils the General Education requirement for Cluster 1, Tier 2)

PHYL 1530 – Movement Education

PHYL 1550 – Individual Activities

PHYL 2510 – Sport & Exercise Psychology

PHYL 2514 – Human Physiology

PHYL 2520 – Introductory and Intermediate Coaching

PHYL 3320 – Adapted Physical Activity

PHYL 3514 – Exercise Physiology

PHYL 3516 – Biomechanics

PHYL 3518 – Physical Growth and Development

PHYL 4340 – Health Promotion

PHYL 4518 – Motor Learning

HPED X8XX (3-credit activity course or equivalent)

HPED, ATTH, ETOL, PHYL, or SPMG XXXX (3-credit or equivalent)

Four Electives courses

Nine General Education courses

General Education Requirements

There is one course listed in the Physical Literacy Major Requirements that satisfies both the major requirements and a portion of the General Education requirements. In addition to this one course, students require nine additional General Education courses to meet the General Education requirements to graduate with a Bachelor of Health and Physical Education – Physical Literacy.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Two courses will be taken at the second tier: no more than one from each of the thematic clusters (excluding Cluster 1)
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Students admitted to the Bachelor of Health and Physical Education – Physical Literacy program requires specific general education courses to meet graduation requirements. These are specified in the program curriculum. For incoming students in the BHPE program, it is important to seek clarification of these requirements and up-to-date registration information through an Academic Advisor in the Department of Health and Physical Education. For details on the nature and structure of General Education visit: mtroyal.ca/gened/courses.

BACHELOR OF HEALTH AND PHYSICAL EDUCATION – SPORT AND RECREATION MANAGEMENT MAJOR

The Sport and Recreation management major is of value and importance to Alberta's economic and social future. Graduates will be trained and educated to address the challenges associated with increased levels of sedentary behavior currently being experienced and the increase in health issues connected to this behavior. Producing leaders that will take active roles in sport and recreation in the Province, including recreation centres, community programming, sport and athletic facilities, and other grassroots partners, would therefore enable Alberta to tackle these issues providing lasting legacies locally, and providing leadership nationally.

All students in the Sport and Recreation Management major must complete the following courses in order to complete the Bachelor of Health and Physical Education – Sport and Recreation Management:

BHPE Core Requirements (Nine courses)

HPED 1000 – Issues in Health and Physical Education

HPED 1010 – Historical and Philosophical Foundations

HPED 1020 – Leadership and Communication

HPED 1040 – Wellness and the Student: From Personal Health to Community Action

HPED 1070 – Foundations for Outdoor Leadership

HPED 2030 – Statistics and Research Methods

HPED 2050 – Professional Practice

HPED 3010 – Sociological Perspectives

SRMG 5400 – Issues in Sport and Recreation Management

Sport and Recreation Management Major Requirements (16 courses)

ACCT 2121 – Financial Accounting Concepts

ACCT 3224 – Management Accounting 1

ENTR 2301 – The Entrepreneurial Experience

HPED 1640 – Program Planning

HPED 3050 – Practicum

HPED 3630 – Recreation and Sport Tourism

HRES 2170 – Introduction to Human Resources

MGMT 2130 – Management Principles and Practices

MKTG 2150 – Introduction to Marketing

MKTG 3258 – Evidence-Based Marketing

PHYL 3320 – Adapted Physical Activity

SRMG 1400 – Organization and Administration of Sport

SRMG 2400 – Commercial Recreation

SRMG 2440 – Community Development

SRMG 3400 – Facility and Event Management

HPED, ATTH, ETOL, PHYL, or SRMG XXXX (3-credit or equivalent)*

Five Electives

Ten General Education courses

*Must be taken at a 2000 or higher level

General Education Requirements

Ten courses must be completed to meet the General Education requirements to graduate with a Bachelor of Health and Physical Education – Sport and Recreation Management.

1. Four courses will be taken at the foundational level: one from each of the thematic clusters.
2. Three courses will be taken at the second tier: no more than one from each of the thematic clusters. One of these courses must be from the Numeracy and Scientific Literacy cluster.
3. Three courses must be taken at the third tier, selected from at least two of the thematic clusters.

Students admitted to the Bachelor of Health and Physical Education should seek clarification of these requirements and up-to-date registration information through an Academic Advisor in the Department of Health and Physical Education. For details on the nature and structure of General Education visit: mtroyal.ca/gened/courses.

BACHELOR OF MIDWIFERY

GENERAL INFORMATION

The Bachelor of Midwifery is a four 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 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.

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.

Academic Performance Requirements

In matters of program continuance, there are instances when institutional processes do not fully address concerns related to student progress or continuance in a program. This applies in the following circumstances:

a) Violations of a professional code of ethics and/or standards of practice (i.e. Midwifery Code of Ethics). A committee established by the program will assess violations of relevant codes and standards and whether the student will be required to withdraw from the program based on the seriousness of the violation.

b) Students who are unsuccessful after two registrations in the same core course (as defined by the program) will be required to withdraw from the program. This includes but is not limited to the following examples of unsuccessful registration:

- Students who do not achieve the minimum required grade (as defined by program) in one or both registrations;
- Students who earn a grade of "F" in one or both registrations; and
- Students who withdraw from the course with a 'W' in one or both registrations.

c) Students who are denied a practicum placement by an external stakeholder because of an assessed detrimental impact on the client, client group, or community being served. Students who are unable to meet clinical or field course requirements on this basis will be required to withdraw from the program.

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

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 academic years. Students have eight calendar years from the date of initial registration in the Bachelor of Midwifery Degree to complete all requirements. Students seeking an extension beyond eight years may be required to complete additional course work.

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 Chair of the Department of Nursing and Midwifery 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.

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 enrol.

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.

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.

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 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.

Police Information Check

Provincial legislation requires that new employees and volunteers in publicly-funded agencies, including hospitals, are subject to a Police Information Check (PIC) that includes a Vulnerable Sector Check. In some cases, agencies may require students to provide proof of a police information check prior to commencing a clinical course. All costs related to the police information check are the responsibility of the student. If a student is denied a clinical placement, due to concerns resulting from the check, then the student will be unable to meet course requirements and will be required to withdraw from the program. Refer to the statement regarding Police Information and other background checks in this calendar.

Mask Fit Testing

As a prerequisite for acute care clinical practice, all students must be fitted for N95 masks in accordance with Alberta Health Services policy. Mask fit testing is valid for two years, or less if there has been weight gain or loss greater than 4.5 kilograms, or following nasal fracture or facial scarring. Evidence of mask fit testing is to be provided to the School of Nursing and Midwifery office and students must have their mask size with them for practice experiences. All costs associated with this service are the responsibility of the student.

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.

GENERAL ADMISSION REQUIREMENTS

In addition to meeting the general admission requirements indicated in the *Admission* 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
- Mathematics 30-1 or 30-2

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.

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.

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 eight most recently completed post-secondary courses (minimum 24 credits).

Application Deadline: February 1

The application for admission and all supporting documents (required for admission assessment) must be received by this date.

Indigenous Student Admission

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

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

- self-identify as an Indigenous applicant on the Application for Admission
- meet the definition of an Indigenous 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. 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.

Transfer Credit Assessment

Transfer credits towards Mount Royal Midwifery (MDWF) courses will be limited to courses that have been successfully completed within seven years from the date of initial registration in the student's original midwifery program. All Midwifery Core courses will not be eligible for transfer credit if taken more than seven years ago. BIOL 1220 and BIOL 1221 will not be eligible for transfer credit if taken more than seven years ago.

CURRICULUM

All BMid students must complete the following courses:

BIOL 1220 – Anatomy and Physiology I

BIOL 1221 – Anatomy and Physiology II

HLTH 2250 – Introduction to Information and Research Literacies

HPED 2507 – Nutrition and Health

INTS 1240 – Fundamentals of Professional Communication

MDWF 1001 – Survey of Midwifery – Past and Present

MDWF 1003 – Lab Sciences for Midwifery

MDWF 1005 – Health Assessment for Midwives

MDWF 2001 – Developing Midwifery Skills

MDWF 2003 – Reproductive Physiology

MDWF 2005 – Pharmacotherapeutics

MDWF 2100 – Midwifery Care: Normal Childbearing and Healthy Infants – Clinical

MDWF 2101 – Midwifery Care: Normal Childbearing and Healthy Infants – Tutorial

MDWF 2150 – Trans-cultural Clinical Placement

MDWF 3001 – Pathophysiology for Midwifery

MDWF 3100 – Interprofessional Health Placements – Clinical

MDWF 3101 – Interprofessional Health Placements – Tutorial

MDWF 3150 – Midwifery Care: Complications and Consultation – Clinical

MDWF 3151 – Midwifery Care: Complications and Consultation – Tutorial

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

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

MDWF 4100 – Midwifery Clerkship I – Clinical

MDWF 4101 – Midwifery Clerkship I – Tutorial

MDWF 4150 – Midwifery Clerkship II – Clinical

MDWF 4151 – Midwifery Clerkship II – Tutorial

MDWF 4175 – Professional Practice Management

WGST 2221 – Women and Health

All BMid students will also be required to complete one course for each of the four foundation level General Education clusters.

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

Students are responsible to ensure that all prerequisite and corequisite requirements are met prior to registering in a course.

General Education Requirements

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.

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.

BACHELOR OF NURSING

GENERAL INFORMATION

The Bachelor of Nursing Program is a four year degree program. This degree program prepares students for professional careers as Registered Nurses in a variety of settings. Students will benefit from the program's learner centred approach and strong emphasis on nursing practice preparation and specialization opportunities.

The program is offered over four Fall and Winter academic years with required Spring Semesters. Most courses will be offered in both the Fall and the Winter Semesters. Students completing all degree requirements will be awarded a Bachelor of Nursing (BN) degree from Mount Royal University.

Reading Break

Students registered in courses in the third year of the program (Nursing 3102, 3104, 3112, 3114, 3122, 3124, 3132, 3134, 3142, and 3144) should be aware that fall and winter reading weeks will not likely be the same as the scheduled Mount Royal reading weeks. These students will be informed of when fall and winter reading weeks will occur before the beginning of fall and winter semesters. Students in the first, second and fourth year of the program will have reading weeks congruent with the Mount Royal scheduled reading weeks.

Requirements for Nursing Practice Experience

Students' nursing practice experiences may be scheduled at varied hours, including evenings, nights and weekends. Approximately half of each student's clinical placements will be in community settings -- this may require the use of a vehicle. Students may be completing practice experiences at sites distant to Calgary. All travel and accommodation costs associated with practice experiences are the responsibility of the student. Students will require a standard uniform for most practice experiences. The uniform policy is found in the BN Student Handbook.

Participation in practice and laboratory sessions is mandatory. A student who is unable to attend practice experiences due to exceptional circumstances, and therefore is unable to meet course objectives may apply to the Chair for a deferral of course work. Students are cautioned that even if a deferral is granted, required practice and/or laboratory experiences may not be immediately available and student progress through the program may be delayed.

A student may be prohibited from attending or completing a practice experience if there is evidence to suggest that the student's physical and/or psychological health may be detrimental to patients or patient care.

Academic Performance Requirements

In matters of progression and continuance, there are instances when institutional processes do not fully address concerns related to student continuance in a program.

This applies in the following circumstances:

a) Violations of a professional code of ethics and/or standards of practice (i.e. NEPAB, CARNA, CNA nursing professional practice documentation). A committee established by the program will assess violations of relevant codes and standards and whether the student will be required to withdraw from the program based on the seriousness of the violation.

b) Students who are unsuccessful after two registrations in the same core course (as defined by the program) will be required to withdraw from the program. This includes, but is not limited to, the following examples of unsuccessful registration:

- students who do not achieve the minimum required grade (as defined by program) in one or both registrations
- students who earn a grade of "F" in one or both registrations
- students who withdraw from the course with a "W" in one or both registrations

c) Students who are denied a practicum placement by an external stakeholder because of an assessed detrimental impact on the client, client group, or community being served. Students who are unable to meet clinical or field course requirements on this basis will be required to withdraw from the program.

In order to be considered a continuing student of record in the Bachelor of Nursing program, the student must achieve a minimum 'C' grade (or minimal prerequisite grade) or "EP" (Experiential Pass) grade in all nursing (NURS) courses. The required Health Studies Courses (HLTH) are also considered nursing courses. Students are required to achieve a passing grade, as determined by each discipline, in all non-nursing courses.

Grades below a 'C' in a nursing course or an unsatisfactory ("EF": Experiential Fail) in a nursing clinical practice course must be cleared by repeating the course before students may progress to any further nursing courses.

Students with two failures in the same nursing course will be required to withdraw from the program and will not be eligible for re-admission to the program.

Students are permitted one re-registration in the same required nursing program course (a course with the prefix NURS, BIOL, INTS or HLTH). That is, students are not allowed more than two grades below the minimum pass or two withdrawals in the same nursing program course, nor are they permitted one withdrawal and one grade below the minimum pass within the same nursing program course. Students who are unsuccessful after two registrations in the same nursing program course will be required to withdraw from the program and will not be eligible for re-admission. An appeal process is available, see Student Handbook.

Regulations

Students are responsible for familiarizing themselves with the policies and procedures of Mount Royal University as outlined in the Calendar, Code of Student Conduct and the Student Handbook: Undergraduate Nursing Program. Refer to the *Student Handbook* for details.

Duration of the Program

Program requirements for degree completion can be completed in four (4) academic years. Students have seven calendar years from the date of initial registration in the Bachelor of Nursing Degree to complete all requirements. Students seeking an extension beyond seven years may be required to complete additional course work. Extension requests will be considered. See the Chair for details.

Students With Disabilities

When warranted, and without compromising academic and professional nursing 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.

National Registered Nurse (RN) Examination

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

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 School of Nursing and Midwifery office, by August 1 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.

Police Information Check

Provincial legislation requires that new employees and volunteers in publicly-funded agencies, including hospitals, seniors' lodges, group homes, and nursing homes are subject to a Police Information Check (PIC) that includes a Vulnerable Sector Check. In some cases, agencies may require students to provide proof of a police information check prior to commencing a clinical course. Thus, students may be required to obtain more than one police information check during their program of studies. All costs related to the police information check are the responsibility of the student. If a student is denied a clinical placement, due to concerns resulting from the check, then the student will be unable to meet course requirements and will be required to withdraw from the program. Refer to the statement regarding Police Information and other background checks in this calendar.

Immunization

Proof of up-to-date immunization (including rubella) 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.

Mask Fit Testing

As a prerequisite for acute care clinical practice all students must be fitted for N95 masks in accordance with Alberta Health Services policy. Mask fit testing is valid for two years or less if you have weight gain or loss greater than 4.5 kilograms, or following nasal fracture or facial scarring. Evidence of mask fit testing is to be provided to the School of Nursing and Midwifery office and students must have their mask size with them for practice experiences. All costs associated with this service are the responsibility of the student.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Nursing program:

- English Language Arts 30-1 – 60%
- Mathematics 30-1 or 30-2
- Biology 30

One of the following courses:

Chemistry 30, Physics 30 or Science 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.

Minimum Overall Average Required for Admission

To be eligible for admission on the basis of High School or Mature Standing, applicants must present a minimum admission average of 70% on their five appropriate Grade 12 subjects for high school standing and 4 required subjects for mature standing. To be eligible for admission on the basis of Post-secondary Standing, applicants must present a minimum GPA of 2.5 on the eight most recently completed post-secondary courses (minimum 24 credits).

Although conditional admission may be granted before final/official transcripts are available, confirmation of the achievement of specified minimum grades will take place after all final/official transcripts have been received.

Application Deadline: February 1

The application for admission and all supporting documents (required for admission assessment) must be received by this date.

Transfer Credit Assessment

Transfer credit towards Mount Royal University nursing (NURS) courses will be limited to courses that have been successfully completed within seven years from the date of initial registration in the student's original nursing program.

Indigenous Student Admission

Each year up to 4% of the seats in the Bachelor of Nursing program will be reserved for Indigenous applicants through an Indigenous admission target.

- a. self-identify as an Indigenous applicant on the Application for Admission
- b. meet the definition of an Indigenous Applicant
- c. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission period. 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.

CURRICULUM

All BN students must complete the following 31 required courses as part of their program requirements:

BIOL 1220 – Anatomy and Physiology I
 BIOL 1221 – Anatomy and Physiology II
 HLTH 2250 – Introduction to Information and Research Literacies
 HPED 2507 – Nutrition and Health
 INTS 1240 – Fundamentals of Professional Communication
 MATH 2333 – Statistics for Life Sciences
 NURS 1111 – Theoretical Foundations of Nursing I
 NURS 1112 – Health Promotion with Individuals I
 NURS 1213 – Health Promotion with Individuals II
 NURS 1214 – Professional Practice I
 NURS 2111 – Theoretical Foundations of Nursing II
 NURS 2112 – Alterations in Health: Nursing Knowledge and Therapeutics I
 NURS 2113 – Alterations in Health: Nursing Knowledge and Therapeutics II
 NURS 2114 – Professional Practice II
 NURS 2215 – Health Promotion with Populations, Communities, Families
 NURS 2216 – Professional Practice III
 NURS 3102 – Adult Health
 NURS 3104 – Professional Practice in Adult Health
 NURS 3112 – Family Newborn Health
 NURS 3114 – Professional Practice in Family Newborn Health
 NURS 3122 – Child Health
 NURS 3124 – Professional Practice in Child Health
 NURS 3132 – Mental Health
 NURS 3134 – Professional Practice in Mental Health
 NURS 3142 – Seniors' Health
 NURS 3144 – Professional Practice in Seniors' Health
 NURS 4111 – Trends and Issues in Nursing Leadership
 NURS 4112 – Integrated Professional Practice
 NURS 5114 – Transition to Independent Practice
 PSYC 2235 – Life-Span Development

Senior nursing option course. Choose one:

ACCN 5531 – Critical Care Nursing and Emergency Nursing: Assessment
 HLTH 4462 – Integrative Healing Practices in Nursing
 NURS 4420 – Team Approaches to Chronic Disease Management
 NURS 4422 – Family Nursing: A Contextual Approach
 NURS 4425 – A Palliative Approach for Individuals and Families
 NURS 4426 – Diversity in Health
 NURS 4427 – Influencing Health, Equity and Social Justice
 NURS 4465 – Supportive Environments for Mental Health

All BN students will also be required to complete one course for each of the four foundation level General Education clusters.

Note: Courses are not necessarily offered in the sequence shown. Students are responsible to ensure that all prerequisite and corequisite requirements are met prior to registering in a course. Courses may be offered in Spring or Summer semesters to accommodate clinical placement availability.

Program of Study

To fulfill Mount Royal University's residency requirements for degree completion, students must complete the 3000 and 4000 level nursing courses, with the exception of the 4000 level senior nursing option, through Mount Royal University. Students are responsible for ensuring they have met the residency requirements.

General Education Requirements

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

GRADUATION REQUIREMENTS

To be eligible for graduation, students must satisfactorily complete all degree program requirements. Students must maintain an overall a minimum GPA of 2.00 to be eligible for graduation.

Students completing degree requirements will be awarded a Bachelor of Nursing degree from Mount Royal University.

Students applying to graduate must do so by the date published in the Mount Royal University Calendar.

DIPLOMA — SOCIAL WORK

GENERAL INFORMATION

Social Work is a two year program which combines knowledge and skills in social work, humanities, and behavioural sciences. The program prepares students for social work practice with individuals, families, groups and communities. Graduates are employed in a broad range of government (public), non-profit and private agencies. Social Work diploma graduates are eligible to apply to become Registered Social Workers in Alberta.

Academic Performance Requirements

In matters of progression and continuance, there are instances when institutional processes do not fully address concerns related to student continuance in a program.

This applies in the following circumstances:

a) Violations of a professional code of ethics and/or standards of practice (i.e. Canadian Association of Social Work Code of Ethics and Guidelines for Ethical Practice, and the Alberta College of Social Work Standards of Practice). A committee established by the program will assess violations of relevant codes and standards and whether the student will be required to withdraw from the program based on the seriousness of the violation.

b) Students who are unsuccessful after two registrations in the same core course (as defined by the program) will be required to withdraw from the program. This includes but is not limited to the following examples of unsuccessful registration:

- Students who do not achieve the minimum required grade (as defined by program) in one or both registrations;
- Students who earn a grade of "F" in one or both registrations; and
- Students who withdraw from the course with a "W" in one or both registrations.

c) Students who are denied a practicum placement by an external stakeholder because of an assessed detrimental impact on the client, client group, or community being served. Students who are unable to meet clinical or field course requirements on this basis will be required to withdraw from the program.

An appeal process is available, see Student Handbook

Practicum Requirements

All students will be selected for practicum on the basis of academic performance, professional suitability, volunteer community service and availability of practicum sites.

At the time of practicum, students will be required, at their own expense, to obtain a Police Information Check. It is each practicum agency's decision to accept or reject a student for placement or observation experience based upon the results of a police information or other background check. Since both completion of course requirements and eventual employment in a field of study may be dependent upon the results of such checks, students who have concerns should discuss the matter with the department chair or designate prior to applying for admission.

International Practicum

Qualified students may have an opportunity to complete a second year practicum in an International setting during the Spring session.

Note: In addition to the courses required for graduation, all students will have their progress reviewed each semester by a committee comprised of faculty members of the Social Work program. Students found to be in academic difficulty or whose professional suitability is of concern may be referred for remedial assistance, or in extreme cases, asked to withdraw from the program. The Code of Ethics of the Alberta College of Social Workers will be used as a measure of professional behaviour and suitability. An appeal process is available, see Student Handbook.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Social Work Diploma program:

- English Language Arts 30-1 – 60%

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.

Indigenous Student Admission

Each year 15% of the seats in the Social Work Diploma program will be reserved for Indigenous applicants through an Indigenous admission target. To be considered for admission under the Indigenous admission target, the applicant must:

- a. self-identify as an Indigenous applicant on the Application for Admission
- b. meet the definition of an Indigenous Applicant
- c. 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 Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. Any unfilled designated seats will be released on June 1 to students applying under the general admission requirements.

CURRICULUM

Year One

INTS 1240 – Fundamentals of Professional Communication
PSYC 1105 – Introduction to Psychology
PSYC 2235 – Life-Span Development
SLWK 1114 – Introduction to Social Work Practice
SLWK 1187 – Social Welfare Policies and Issues
SLWK 1215 – Social Work Methods
SLWK 1216 – Counselling Skills
SLWK 1287 – Social Work Practicum I (see note below)
SLWK 2224 – Practicing Social Work from a (Canadian) Indigenous Perspective
General Education Requirement Cluster 4, Foundation

Year Two

SLWK 2217 – Leadership in Human Service Organizations
SLWK 2218 – Social Work with Groups
SLWK 2221 – Community Development
SLWK 2222 – Social Work with Families
SLWK 2223 – Social Work and Mental Health
SLWK 2297 – Social Work Practicum II (see note below)
General Education Requirement
General Education Requirement
General Education Requirement
General Education Requirement

Note: All students will be selected for practicum on the basis of academic performance, professional suitability and availability of practicum sites. A student may be prohibited from attending or completing a practicum if there is evidence to suggest that the student's physical and/or psychological health may be detrimental to client care.

To be placed in practica student's must have completed all coursework up to semester two for SLWK 1287 and semester four for SLWK 2297. Students must have their police information check approved by their practicum agency.

General Education Requirements

For *Restrictions and Interpretations* concerning the program requirements for General Education and Elective courses, refer to the section entitled *General Graduation Requirements*.

CERTIFICATE — ATHLETIC THERAPY

GENERAL INFORMATION

This program is designed to provide participants with advanced knowledge, experience and skills in the delivery of athletic therapy services. This program is accredited through the Canadian Athletic Therapists Association. The program includes theoretical, field and clinical practicum experiences that prepare practitioners for the certification exams.

ADMISSION REQUIREMENTS

Applicants for the Athletic Therapy program must possess a degree in kinesiology, physical education, human kinetics, exercise science or equivalent. Successful applicants must have completed the following courses (either as part of their degree matriculation or subsequent to the degree):

- Human Anatomy
- Human Physiology
- Exercise Physiology
- Biomechanics
- Prevention and Care of Athletic Injuries
- Introductory Strength Training
- Introductory Flexibility

Once a student is offered a conditional admission, they will be informed of the timing and delivery of the following four courses that must be successfully completed to gain final admission into the program.

- ATTH 2112 – Clinical Musculoskeletal Anatomy (3 credits)
- HPED 2050 – Professional Practice (3 credits)
- First Responder for Athletic Therapy*
- Taping and Prophylactic Support

*It should be noted that this is not a traditional First Responder course offered in the community. It is a customized course that bridges first responder curriculum with athletic therapy curriculum. It can only be taken through Mount Royal University.

The last three courses are typically offered in August each year. Students will be required to make the appropriate arrangements to be available and attend these courses when offered.

Admission is competitive, meaning students with a higher conditional admission GPA will be considered first and preference will be given to applicants with a minimum Grade Point Average of 3.00 on the conditional and final admission average. Conditional admission will be based on the four most recently completed courses by Dec. December 31 and final admission will be based on the eight most recently completed courses by June April 30. In addition, applicants are required to present, preference will be given to applicants with a Grade Point Average GPA of 3.00 in Human Anatomy and in Prevention and Care of Athletic Injuries.

CURRICULUM

ATTH 2112 – Clinical Musculoskeletal Anatomy
ATTH 3110 – Musculoskeletal Assessment – Peripheral
ATTH 3120 – Therapeutic Modalities
ATTH 3130 – Rehabilitation Techniques I
ATTH 3150 – Clinical Practicum
ATTH 3152 – Clinical Practicum II
ATTH 3160 – Field Practicum
ATTH 3162 – Field Practicum II
ATTH 4110 – Musculoskeletal Assessment – Spinal
ATTH 4130 – Rehabilitation Techniques II
ATTH 4140 – Practical Clinical Management and Administration
ATTH 4150 – Clinical and Field Practicum III
ATTH 4152 – Clinical and Field Practicum IV
ATTH 5100 – Issues in Athletic Therapy
HPED 2030 – Statistics and Research Methods
HPED 2050 – Professional Practice
HPED 3030 – Research Methods and Statistics for Health Professionals

Due to course prerequisites, sequencing and course offering, this program will take approximately two years to complete. Not all semesters will require students to take five courses. Please see the department Academic Advisor for program planning and sequencing suggestions.

GRADUATION REQUIREMENTS

To be eligible for graduation, students must satisfy all program requirements and maintain an overall GPA of 2.00. Students enrolled in the Advanced Certificate in Athletic Therapy must provide proof of completion in the following courses prior to graduating:

- Sport Psychology
- Nutrition

Students must follow the graduation application procedure outlined in the current Mount Royal Calendar. See the 'General Graduation Requirements' section of the this calendar for further information.

POST-BASIC CERTIFICATES

CERTIFICATE – ADVANCED STUDIES IN CRITICAL CARE NURSING

GENERAL INFORMATION

The certificate program is designed for post-basic study for registered nurses seeking to develop knowledge, skills and expertise in the areas of critical care or emergency nursing. The program is designed with theoretical and clinical courses that prepare practitioners to deal effectively with critically ill and emergency patients in rural, regional and tertiary hospitals.

Theory courses are designed for distance learning incorporating a combination of print material, teleconference, video conference, video recordings, electronic mail, web support, and student/instructor telephone conferences. In addition, several courses have been designed to offer the option of Internet/web delivery.

Each course will require from 10 to 12 hours per week study time. Optional on-campus seminars/tutorials may be offered for some courses.

Clinical practica are arranged for each student by the program faculty in critical care or emergency departments and other related settings to meet the student's learning needs, skill development and competence (as assessed by program faculty). Ongoing supervision and guidance are provided jointly through a preceptorship experience in conjunction with program faculty. Clinical agencies are pre-approved to meet objectives of the Advanced Critical Care Nursing program.

Students are required to complete a police information check prior to commencing their clinical experience.

All of these courses may be reported as nursing practice hours for renewal of CARNA (College and Association of Registered Nurses of Alberta) registration. Students who meet specific criteria may receive credit by prior learning assessment for the clinical course.

Academic Performance Requirements

In matters of program continuance, there are instances when institutional processes do not fully address concerns related to student progress or continuance in a program. This applies in the following circumstances:

a) Violations of a professional code of ethics and/or standards of practice (e.g., CARNA, CNA nursing professional practice documentation). A committee established by the program will assess violations of relevant codes and standards and whether the student will be required to withdraw from the program based on the seriousness of the violation.

b) Students who are unsuccessful after two registrations in the same core course (as defined by the program) will be required to withdraw from the program. This includes, but is not limited to, the following examples of unsuccessful registration:

- students who do not achieve the minimum required grade (as defined by program) in one or both registrations
- students who earn a grade of "F" in one or both registrations
- students who withdraw from the course with a "W" in one or both registrations

c) Students who are denied a practicum placement by an external stakeholder because of an assessed detrimental impact on the client, client group, or community being served. Students who are unable to meet clinical course requirements on this basis will be required to withdraw from the program.

Continuance in the Program

To be a continuing student of record in the ACCN Certificate Program, a minimum grade of "C" is required in all courses and a minimum of 18 credits for the Critical Care Nursing and Emergency Nursing Streams.

University Transfer

The Advanced Studies in Critical Care Nursing Certificate is transferable to post-registered nursing baccalaureate programs at most Alberta universities. Students must meet the admission requirements for the university of their choice. Students considering transfer credit are encouraged to investigate their education plans with an academic advisor at the institution and faculty in which they are seeking to enrol, or are enrolled in.

Financial Assistance

Information regarding financial assistance is available from the College and Association of Registered Nurses of Alberta (CARNA), the Students' Finance Board, and Student Awards and Financial Aid (Mount Royal). Other possible sources of funding may include Health Regions, Alumni Associations, and Specialty Interest Groups. Scholarship information is available on the Mount Royal website.

Prior Learning Assessment and Recognition

Before making application for *Prior Learning Assessment*, students should consult with the Coordinator. Recognition for prior learning may be given to students who have clinical experience and/or national certification in specialty areas (e.g. Critical Care or Emergency).

ADMISSION REQUIREMENTS

- Graduation from a recognized post-secondary educational institution with a diploma or degree and is a Registered Nurse
- Nursing students with senior-level status in a recognized nursing program are permitted to take some theory courses in the program and are strongly encouraged to discuss course enrolment with the academic advisor at their primary institution
- Allied Health Professionals such as LPNs, Paramedics or Respiratory Therapists are permitted to take some theory courses in the program with the approval of the program coordinator

In addition, applicants must submit the following documents:

- The Mount Royal Application for Admission form
- The Advanced Studies in Critical Care Nursing program information form (contact your program coordinator)
- Final/Official transcripts from all post-secondary institutions attended
- Proof of current, active nursing registration
- To complete the clinical practicum in Alberta, students must submit a current, active permanent or temporary license with CARNA
- To complete the clinical practicum outside Alberta, students must submit a current, active permanent or temporary license with the appropriate nursing regulatory body

ADVANCED STUDIES IN CRITICAL CARE NURSING (ACCN)

Theory courses in the Advanced Studies in Critical Care Nursing Post-Basic Certificate program are offered on a home study basis (distance delivery) in the Fall and Winter Semesters. Some theory courses may be offered in the Spring. Clinical practice courses are organized in intensive care or emergency units in the Fall, Winter and Spring Semesters.

CURRICULUM

Critical Care Stream

Core Requirements

- ACCN 5501 – Critical Care Nursing: Physiology
- ACCN 5505 – Critical Care Nursing: Pathophysiology
- ACCN 5507 – Pharmacology for the Acutely Ill
- ACCN 5531 – Critical Care and Emergency Nursing: Assessment
- ACCN 5581 – Critical Care Nursing: Clinical

Emergency Stream

Core Requirements

- ACCN 5531 – Critical Care and Emergency Nursing: Assessment
- ACCN 5551 – Emergency Nursing – Pathophysiology
- ACCN 5553 – Emergency Nursing Part A: Management of the Acutely Ill and Injured
- ACCN 5555 – Emergency Nursing Part B: Management of the Acutely Ill and Injured
- ACCN 5591 – Emergency Nursing: Clinical

GRADUATION REQUIREMENTS

To be eligible for graduation, students must satisfactorily complete all course requirements in their stream of study (Critical Care or Emergency). Students must maintain an overall minimum GPA of 2.00 with no grade less than “C” in each course.

Students completing requirements will be awarded an Advanced Studies in Critical Care Nursing Certificate from Mount Royal University.

Students applying to graduate must do so by the date published in the Mount Royal University Calendar.

BRIDGE TO CANADIAN NURSING PROGRAM

GENERAL INFORMATION

The Bridge to Canadian Nursing (BCN) certificate of achievement program is an individualized course of study. This “bridging” program is designed to prepare Internationally Educated Nurses (IENs), previously Registered Nurses (RNs) outside Canada, for the roles and expectations of RNs in the province of Alberta. The College and Association of Registered Nurses of Alberta (CARNA) identify Internationally Educated Nurses who are required to take bridging courses and refer them to the MRU Bridge to Canadian Nursing program.

Successful completion of bridging courses helps to prepare IENs to write the national Nursing Exam and transition to registered nurse employment in Canada. The BCN program of study addresses concepts such as professional communication skills for nurses, professional nursing in Canada, health alterations and therapeutics, health assessment, professional nursing skills, clinical reasoning skills, nursing theory, and nursing clinical practice in a medical/surgical environment to prepare nurses who have been educated outside Canada for safe, competent nursing practice in Canadian health care settings. Course work is also offered to help IENs address knowledge and practice differences in three specific areas of nursing practice: professional nursing in mental health, child health and family newborn health.

Candidates may take one or more courses depending on their learning needs. IENs completing all required credits in the program will receive a certificate of achievement.

Application to Program

Prospective students apply for the Bridge to Canadian Nursing program using the standard Mount Royal Application for Admission form. The College and Association of Registered Nurses of Alberta (CARNA) determines which courses are required for each student. Normally, qualified applicants are accepted to this program on a first come first served basis; however, as course availability becomes more limited, qualified applicants may be admitted based on how their specific course requirements match course availability.

Academic Performance Requirements

In matters of progression and continuance, there are instances when institutional processes do not fully address concerns related to student continuance in a program.

- Violations of a professional code of ethics and/or standards of practice (i.e. CARNA and CNA nursing professional practice documentation). A committee established by the program will assess violations of relevant codes and standards and whether the student will be required to withdraw from the program based on the seriousness of the violation.
- Students who are unsuccessful after two registrations in the same core course (as defined by the program) will be required to withdraw from the program. This includes, but is not limited to, the following examples of unsuccessful registration:
 - Students who do not achieve the minimum required grade (as defined by program) in one or both registrations;
 - Students who earn a grade of “F” in one or both registrations; and
 - Students who withdraw from the course with a “W” in one or both registrations.
- Students who are denied a practicum placement by an external stakeholder because of an assessed detrimental impact on the client, client group, or community being served. Students who are unable to meet clinical or field course requirements on this basis will be required to withdraw from the program.

In order to be considered a student of record in the Bridge to Canadian Nursing program at Mount Royal, the student must achieve a minimum "C" grade (or minimum prerequisite grade) or "EP" (Experiential Pass) in all BCN courses. Grades below a 'C' in a BCN theory course or an unsatisfactory ("EF": Experiential Fail) in a BCN clinical practice course must be cleared by repeating the course before students may progress to any further nursing courses that require the failed course as a prerequisite. Students with two failures in the same BCN course will be withdrawn from the program and will not be eligible for re-admission unless approval is received from the Chair of the School of Nursing and Midwifery.

Students are permitted one re-registration in the same BCN course. That is, students are not allowed more than two (2) grades below the minimum pass or two (2) withdrawals in the same nursing program course, nor are they permitted one (1) withdrawal and one (1) grade below the minimum pass within the same nursing program course. Students who are unsuccessful after two registrations in the same BCN course will be required to withdraw from the program and will not be eligible for re-admission to the program. An appeal process is available, see Student Handbook.

Duration of the Program

Program requirements for the Bridge to Canadian Nursing program must be completed in two academic years.

Students With Disabilities

When warranted, and without compromising academic and professional nursing practice standards, Mount Royal will provide reasonable accommodation for students with documented disabilities.

Nursing Practice Experience Policies

Students must demonstrate satisfactory clinical performance as outlined in the course syllabus. Students' nursing practice experience may be scheduled at varied hours, including days, evenings, nights and weekends. Students may be required to complete practice experiences at sites distant to their place of residence. An out-of-town practice experience may be scheduled. All travel and accommodation costs associated with practice experiences are the responsibility of the student.

Participation in classroom, clinical practice, tutorial and laboratory sessions is mandatory. A student who is unable to attend these experiences due to exceptional circumstances, and therefore, is unable to meet course objectives may apply for deferral of course work. Students are cautioned that even if a deferral is granted, required practice and/or tutorial experiences may not be immediately available and student progress through the program may be delayed as a result.

A student may be prohibited from attending or completing a clinical practice experience if there is evidence to suggest that the student's physical and/or psychological health may be detrimental to patients or patient care. Approval of the Chair of the School of Nursing and Midwifery is required for entry into the clinical course.

Interruption of Program

Students who interrupt their program of studies by not taking courses for one or more semesters are advised to refer to the relevant institutional policies.

Program Completion Requirements

To be eligible for the Bridge to Canadian Nursing program Certificate of Achievement, students must complete the program and achieve a cumulative grade point average of 2.00 with no grade less than "C" in each of their courses.

Cardiopulmonary Resuscitation (C.P.R.) Certification

Students must provide proof of current C.P.R. Certification at the Basic Life Support for Healthcare Provider Level C on an annual basis. Evidence of certification is to be shown to the clinical instructor prior to the beginning of all clinical experiences. All associated costs are the responsibility of the student.

Mask Fit Testing

As a prerequisite for acute care clinical practice all students must be fitted for N95 masks in accordance with Alberta Health Services policy. Mask fit testing is valid for two years unless there has been weight gain or loss greater than 4.5 kilograms, or following nasal fracture or facial scarring, in which case, refitting is required sooner. Evidence of mask fit testing is to be provided to the BCN Academic Advisor and students must have their mask size with them for practice experiences. All costs associated with this service are the responsibility of the student.

Police Information Check

Provincial legislation requires that new employees and volunteers in publicly funded agencies including: hospitals, seniors' lodges, group homes and nursing homes are subject to a police information check and vulnerable sector check. In some cases, agencies may require students to provide proof of a police information check prior to commencing a clinical course. Thus, students may be required to obtain more than one police information check during their program of studies. All costs related to the police information check are the responsibility of the student.

If a student is denied a clinical placement, due to concerns on the police check, then the student will be unable to meet course requirements and will be required to withdraw from the program. Refer to the statement regarding Police Information and Other Background Checks in the University Calendar.

Immunization

Proof of up-to-date immunization (including rubella) 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.

ADMISSION REQUIREMENTS

Applicants must show proof of eligibility requirements for licensure as a Registered Nurse in Alberta. Those applicants referred to the BCN program by the College and Association of Registered Nurses of Alberta (CARNA) need only submit a letter from CARNA identifying specific required courses. Applicants must also have a sufficient level of English fluency. The language level for entry into the BCN program is the same as CARNA requirements for clinical practice placements. If the applicant is admitted to the Bridge to Canadian Nursing Program based on the CELBAN assessment tool and wishes to transfer to another academic program, they will be required to complete an English Language Proficiency assessment accepted by MRU.

Admission decisions for this program are made by the Bridge to Canadian Nursing Program, School of Nursing and Midwifery. Enrolment in this program is limited. Intakes to the program generally occur during the Fall and Winter semesters.

Transfer Credit Assessment

This program will not offer transfer credit for coursework completed at other institutions.

CURRICULUM

The Bridge to Canadian Nursing (BCN) program is an individualized program of study which provides the following listed courses. Please note that attendance at Student Advising sessions (individualized or group) is strongly recommended to facilitate a smooth progression through the program.

HLTH 3101 – Professional Communication Skills for Nurses

HLTH 3103 – Professional Nursing in Canada

HLTH 3105 – Health Alterations and Therapeutics I

HLTH 3107 – Professional Nursing Health Assessment

HLTH 3109 – Health Assessment Workshop

HLTH 3211 – Health Alterations and Therapeutics II

HLTH 3217 – Professional Nursing in Family Newborn Health

HLTH 3219 – Professional Nursing in Child Health

HLTH 3221 – Professional Nursing in Mental Health

HLTH 3313 – Professional Nursing Skills

HLTH 3415 – Professional Clinical Practice

FACULTY OF SCIENCE AND TECHNOLOGY

PROGRAMS OFFERED

Bachelor of Computer Information Systems BCIS

Bachelor of Science BSc

- Cellular and Molecular Biology

- Environmental Science

- General Science

- Geology

- Health Science

Bachelor of Science – Computer Science (University Transfer Program)

Certificate – Environmental Science

BACHELOR OF COMPUTER INFORMATION SYSTEMS

GENERAL INFORMATION

This program, jointly offered by the Department of Mathematics and Computing and the Bissett School of Business, offers a forward looking combination of computer and business courses. Throughout eight academic semesters and up to three cooperative work terms, students will develop the expertise required by computing professionals.

The program has been developed by following well-recognized international curriculum standards from the Association for Computing Machinery (ACM) and the Canadian Information Processing Society (CIPS) as well as through continuous consultation with senior managers from Calgary businesses. The end result is a degree that meets the needs of business as well as the needs of graduates who must adapt to change in the future.

Employers are looking for computer professionals with a wide range of skills and abilities. Besides technical skills, employees also need solid business knowledge, the ability to work effectively in teams, a willingness to think creatively, and to communicate effectively using speech, written words, and images. This degree will prepare you for this environment through courses in computer science, business, communications, and general education.

The program concentrates on the practical application of computer systems in a business environment. Students acquire a solid foundation in programming, systems analysis and design, Internet development, hardware and networking support and in-depth knowledge of standard business practices. Students will widen their learning by extending it to the workplace during a minimum of one and up to three cooperative work terms where they will gain hands-on work experience.

In addition, by completing the approved business courses in this degree program and with proper option selection, you may qualify for a Minor in Business.

With this blend of abilities graduates are well suited to work in large or small companies, act as self-employed consultants, or start their own businesses. Graduates may expect to find work as programmers or junior analysts, as user and technical support specialists, as web developers, as database developers, or in one of many other IT-based jobs.

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.

Work Experience

The Academic Plan of Mount Royal stresses the importance of experiential education in all academic curricula. The Bachelor of Computer Information Systems degree requires that all students complete at least one non-credit work experience term. Students can then proceed to take an optional work term, if they so wish.

Note: Students must complete the Orientation to Co-operative Education course (COOP 0001) prior to the mandatory work term. To be eligible for a work term students must have completed the prerequisite courses and must obtain a minimum cumulative GPA. For additional information, please contact the Career Services Work Experience Coordinator at 403.440.6542, Room A200.

Co-operative Education Option

Students enrolled in the Bachelor of Computer Information Systems program have 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 Co-operative Education and Work-Integrated Learning Canada (CEWIL).

To be eligible to participate in the BCIS Co-operative Education Option, students must have completed the prerequisite courses required for entrance into their respective Co-op work-term placements and maintain a minimum cumulative GPA. For additional information about Co-operative education, please contact the Career Services department at 403.440.6542, Room A200.

Co-operative Education Fees

A half course fee is assessed for the Orientation to Co-operative Education course prior to the first work-term. Fees for each Co-operative Education work term are assessed thereafter on a course-by-course basis. These fees must be paid or notice of financial assistance provided by the fee deadline for the semester in which the placement occurs.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

In addition to meeting the general admission requirements indicated in the *Admission* section, applicants must also satisfy the following criteria:

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Computer Information Systems program.

- English Language Arts 30-1 – 60%
- Mathematics 30-1 – 60%

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.

Indigenous Admission Requirements

Each year 7% of the admission seats in the Bachelor of Computer Information Systems program will be reserved for Indigenous students through an Indigenous admission target.

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

- self-identify as an Indigenous applicant on the Application for Admission.
- meet the definition of an Indigenous Applicant.
- meet the minimum admission requirements as indicated in the General Admission requirements for Mount Royal University as well as the specific admission requirements for the Bachelor of Computer Information Systems.

Designated seats for this special consideration target will be filled by Indigenous applicants on a competitive basis. Applicants are encouraged to apply during Early Admission. 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.

CURRICULUM

ACCT 2121 – Financial Accounting Concepts

COMP 1501 – Programming I: Introduction to Problem Solving and Programming

COMP 1502 – Programming II: Object Oriented Programming

COMP 2503 – Programming III: Data Structures

COMP 2511 – Web I: Client Development

COMP 2521 – Database I: Data Modeling and Query Languages

COMP 2531 – Computer Architecture and Operating Systems

COMP 2541 – Systems Analysis

COMP 3309 – Information Technology and Society

COMP 3512 – Web II: Web Application Development

COMP 3532 – System Administration and Maintenance

COMP 3533 – Network Infrastructure

COMP 4543 – Project Management and Quality Assurance

HRES 2170 – Introduction to Human Resources

MATH 1505 – Puzzling Adventures in Mathematics

MGMT 3210 – Business Communication Theory and Practice

MKTG 2150 – Introduction to Marketing

One of:

ENTR 2301 – Innovation and the Entrepreneurial Experience

MGMT 2130 – Management Principles and Practices

SINV 2201 – Introduction to Social Innovation

Four Electives

Two Approved Senior Business Option *(2)

Four Approved Senior Computer Science Option *(1)

Two Approved Senior Computer Science or Business Option *(3)

General Education Requirement Cluster 1, Foundation

General Education Requirement Cluster 2, Foundation

General Education Requirement Cluster 3, Foundation

General Education Requirement Cluster 4, Foundation

Three General Education Requirements, Tier 2 *(4)

Three General Education Requirements, Tier 3 *(5)

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

COMP 3012 – Robotics

COMP 3504 – Programming IV: Software Engineering

COMP 3551 – GUI Development

COMP 3553 – Human-Computer Interaction

COMP 4513 – Web III: Advanced Web Development

COMP 4522 – Database-II: Advanced Databases

COMP 4535 – Computer Security

COMP 4545 – Information Systems Organization

COMP 4555 – Games Development

COMP 5590 – Senior Project

*(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 1, 2, 3, or 4 with no more than 1 taken from each thematic cluster and one must be from the Numeracy and Scientific Literacy cluster.

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

GRADUATION REQUIREMENTS

Students enrolled in the Bachelor of Computer Information Systems degree program must obtain a minimum grade of C- in all COMP prefix courses used to satisfy program major requirements.

BACHELOR OF SCIENCE

GENERAL INFORMATION

Mount Royal has a long and successful history of providing relevant and practical education to students in an environment that favours learning. Small class sizes, instructors who are learner centred, and facilities and services that support the University's ideals of student success and satisfaction all come together in our Bachelor of Science programming.

The Bachelor of Science is a 120 credit degree program that may be completed in four years. You may choose to explore your interests in a wide variety of science disciplines by electing the General Science major or focus your specific interests in a major in Cellular and Molecular Biology, Chemistry, Environmental Science, Geology, or Health Science. All majors will allow you to pursue interesting and exciting careers in the sciences and beyond. Students completing all degree requirements will be awarded a Bachelor of Science degree from Mount Royal.

Continuance in the Program

Students accepted into the Bachelor of Science program must comply with all Mount Royal policies and regulations relating to baccalaureate degrees and continuance.

Academic Performance Requirements

Many courses in the Bachelor of Science require minimum prerequisite grades of "C-" or better.

For the purpose of progression and graduation all degree candidates must complete all courses in the program, General Education requirements and electives included, with a cumulative grade point average of 2.00 or greater and with final grades of "C-" or better, except that a maximum of two courses in total and only one in the core, may be completed with a pass grade of less than "C-".

Time Limitation for Completion of Credentials

Normally, there is no time limitation for the application of credit toward a Mount Royal Bachelor of Science degree for any course completed at Mount Royal or at any recognized accredited post-secondary institution. Time limitations may be imposed if course content is particularly time-sensitive. All graduation requirements for a Bachelor of Science degree must be completed within eight years of admission into the program.

Residency Requirements

Normally, 50% of the academic work completed toward the award of a Mount Royal parchment must be completed at the University except where written approval has been given by the dean/director of the appropriate faculty/centre.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Science program:

- English Language Arts 30-1 – 60%
- Mathematics 30-1 – 60%
- Chemistry 30 – 60%

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.

Indigenous Student Admission

Each year seven percent of the Bachelor of Science program will be reserved for Indigenous Applicants through an Indigenous Admissions target.

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

- a. self identify as an Indigenous Applicant on the Application for Admission.
- b. meet the definition of an Indigenous Applicant.
- c. 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 qualified Indigenous Applicants on a competitive basis. Applicants are encouraged to apply during the Early Admission period. Any unfilled, designated seats will be released June 1 to students applying under the General Admission Requirements.

See General Admission requirements in the Admissions section of this Calendar for further information.

DECLARATION OF MAJOR

Entry to a major upon admission to the Bachelor of Science

Applicants may apply to one or two majors within the Bachelor of Science. Students who have not decided on a specialized major may wish to explore various scientific disciplines within the General Science major. Admission to any major within the BSc will be limited.

Transfer between majors in the Bachelor of Science

Continuing Bachelor of Science students who wish to transfer from one major to another must complete a Major Declaration form. Forms are due at the Registrar's Office by February 1. Students will be considered for transfer into a major if they have successfully completed four courses while in the Bachelor of Science program. For all majors other than General Science, decisions will be based on a competitive Grade Point Average earned on three specific courses required for entrance: MATH 1200, CHEM 120X, and GNED 140X.

Students completing courses required for transfer into their intended major in the fall semester will have decisions communicated to them by March 1. Students completing courses required for transfer into their intended major in the winter semester will have decisions communicated to them by May 15. Students are strongly encouraged to seek advising from one of the Science and Technology Advisors before registering in courses for the following term.

Double Majors

Double majors must be chosen within the six majors offered as part of the Bachelor of Science. Double majors must include:

1. Twelve General Education courses, of which four can fulfill the core requirements of the double major
2. All core courses specified for each major

Double Major in Health Science and Cellular and Molecular Biology

1. Twelve General Education courses, of which four can fulfill the core requirements of the double major
2. All core courses specified for each major, with the following exceptions:
 - Either BIOL 4203 or BIOL 4208 will satisfy the seminar requirement for both majors.
 - BIOL courses used to satisfy one major that are unique to that major may be used to satisfy the approved options in the other major.

CURRICULUM— GENERAL SCIENCE

- Two six-course concentrations in two distinct disciplines, plus a four-course block in a third distinct discipline.

The four-course block must contain at least two courses at the 2000-level or higher.

Each six-course concentration contains at least two courses at the 2000-level or higher, and two courses at the 3000-level or higher. The concentrations are defined for each discipline (below).

A student will not be given credit for more than one concentration within a fundamental discipline (ie. Biology, Chemistry, Computing, Geography, Geology, Mathematics, Physics).

- Four Mathematics courses which may be taken as the four-course block or as part of a six-course concentration:

MATH 1200 – Calculus for Scientists I

MATH 1203 – Linear Algebra for Scientists and Engineers

MATH 2200 – Calculus for Scientists II

MATH 2234 – Concepts of Mathematical Statistics

- Two Computing courses:

COMP 2001 – Introduction to Computer-Based Problem Solving for the Sciences

COMP 2008 – Scientific Computing I: Modeling and Simulation

- An additional six General Science Options, which may be chosen from either the General Science Concentrations or the list of Supplementary General Science Courses.

Within the six General Science Options, two courses must be at the 2000-level or higher, and two courses must be at the 3000-level or higher.

Any one General Science course cannot be used to satisfy more than one requirement within the major.

- Two General Science Capstone Courses:

SCIE 5010 – General Science Senior Student Seminar

SCIE 5020 – General Science Interdisciplinary Project

- General Education

(i) General Education requirements in a program will normally consist of a minimum of 10 courses.

(ii) Four courses will be taken at the foundation level: one from each of the General Education Program's four thematic cluster areas.

(iii) Three courses will be taken at the second tier: no more than one from a given thematic cluster. BSc students will make their Tier 2 selections from clusters other than Numeracy and Scientific Literacy.

(iv) Three courses must be taken at the third tier, selected from at least two of the four thematic clusters.

- Four elective courses

General Science Concentrations

Biology Concentration

BIOL 1202 – Introduction to Cell Biology

BIOL 1204 – Evolution of Eukaryotes

BIOL 2101 – Genetics

One of:

BIOL 2202 – Cell and Molecular Biology

BIOL 2203 – Human Anatomy

BIOL 2213 – Ecology

Two of:

BIOL 3108 – Conservation Biology

BIOL 3107 – Evolution in Health and Disease

BIOL 3203 – Genomes

BIOL 3204 – Histology

BIOL 3301 – Animal Behaviour

Chemistry Concentration

CHEM 1201 – General Chemistry I

CHEM 1202 – General Chemistry II

CHEM 2101 – Organic Chemistry I

CHEM 2102 – Organic Chemistry II

CHEM 3201 – Structure Determination

CHEM 4103 – Advanced Organic Chemistry: Synthesis

Geography Concentration

GEOG 1101 – The Physical Environment

GEOG 1103 – The Human Environment **or** GEOG 1105 – Introduction to Mapping, GIS and Remote Sensing

GEOG 2107 – Weather and Climate **or** GEOG 2111 – Earth's Changing Surface

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

GEOG 2553 – Geographic Information Systems

GEOG 3107 – Conservation Biogeography

GEOG 3445 – Global Environmental Issues **or** GEOG 3553 – Spatial Analysis and Geographic Information Systems

Geology Concentration

GEOL 1101 – Physical Geology

GEOL 1103 – Historical Geology

GEOL 2107 – Palaeontology

GEOL 2109 – Stratigraphy and Sedimentation

GEOL 3107 – Geomorphology

GEOL 4105 – Hydrogeology

Mathematics Concentration

MATH 1200 – Calculus for Scientists I

MATH 1203 – Linear Algebra for Scientists and Engineers

MATH 2200 – Calculus for Scientists II

MATH 2234 – Concepts of Mathematical Statistics

MATH 3101 – Numerical Analysis

MATH 3200 – Mathematical Methods

Physics Concentration

PHYS 1201 – Classical Physics I

PHYS 1202 – Classical Physics II

PHYS 2201 – Acoustics, Optics and Radiation

PHYS 2203 – Electromagnetism

PHYS 3601 – Thermodynamics

PHYS 3602 – Elementary Quantum Mechanics

Supplementary General Science Courses

ASTR 2105 – Astrobiology

BCEM 2201 – General Biochemistry

BCEM 3201 – Protein Biochemistry

BCEM 3202 – Enzymes and Metabolic Systems

BCEM 4212 – Biochemical Pharmacology

CHEM 3802 – Science and Politics of Nuclear Energy

COMP 1502 – Programming II: Object Oriented Programming

COMP 2511 – Web 1: Client Development

COMP 2503 – Programming III: Database Structures

COMP 2521 – Database 1: Data Modeling and Query Languages

COMP 2531 – Computer Architecture and Operating Systems

COMP 3012 – Robotics

COMP 3532 – Systems Administration and Maintenance

COMP 3533 – Network Infrastructure and Security

COMP 3553 – Human Computer Interaction

GEOG 2437 – Biogeography

GEOG 3447 – Parks and Protected Areas

GEOL 2151 – Environmental Geology and Earth Resources

GEOL 2153 – Natural Hazards and Disasters

GEOL 2155 – History of Life

GEOL 2157 – Water; Geologic and Geographic Issues

MATH 2101 – Abstract Algebra

MATH 2311 – Linear Algebra II

PHYS 3103 – Introduction to Biophysics

* COMP 1501 may be substituted for COMP 2001 in order to take senior COMP courses, but the student will need to ensure that their 1000-level course limit is not exceeded.

* Enrollment spaces in senior level Geology courses will be limited.

General Education

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

GRADUATION REQUIREMENTS

Students completing degree requirements will be awarded a Bachelor of Science degree in their chosen major (Cellular and Molecular Biology, Chemistry, Environmental Science, General Science, Geology or Health Sciences) from Mount Royal.

CURRICULUM – CELLULAR AND MOLECULAR BIOLOGY

BCEM 2201 – General Biochemistry
BCEM 3202 – Enzymes and Metabolic Systems
BIOL 1202 – An Introduction to Cell Biology
BIOL 1204 – The Evolution of Eukaryotes
BIOL 2101 – Genetics
BIOL 2105 – Microbiology I
BIOL 2202 – Cellular and Molecular Biology
BIOL 3101 – Molecular Genetics
BIOL 3102 – Cell Dynamics and Signalling
BIOL 3105 – Microbiology II
BIOL 3203 – Genomes
BIOL 4101 – Advanced Cellular and Molecular Biology I
BIOL 4202 – Advanced Cellular and Molecular Biology II
BIOL 4203 – Current Topics in Cellular and Molecular Biology
CHEM 1201 – General Chemistry – Structure and Bonding
CHEM 1202 – General Chemistry – Introduction to Quantitative Chemistry
CHEM 2101 – Organic Chemistry I
CHEM 2102 – Organic Chemistry II
MATH 1200 – Calculus for Scientists I
MATH 2233 – Statistics for the Biological Sciences
PHIL 2223 – Bio Ethics
PHYS 1201 – Classical Physics I
PHYS 1202 – Classical Physics II
General Education Requirement Cluster 1, Foundation
General Education Requirement Cluster 2, Foundation
General Education Requirement Cluster 3, Foundation
General Education Requirement Cluster 4, Foundation
General Education Requirement Cluster 2, Tier 2
General Education Requirement Cluster 3, Tier 2
General Education Requirement Cluster 4, Tier 2
General Education Requirement Tier 3*
General Education Requirement Tier 3*
General Education Requirement Tier 3*
Four Electives
Three Approved Options

***Approved 3-credit options must include three of the following:**

BCEM 3201 – Protein Biochemistry
BIOL 2203 – Human Anatomy
BIOL 2213 – Principles of Ecology and Evolution
BIOL 3103 – Introduction to Biophysics
BIOL 3104 – Human Physiology I
BIOL 3106 – Evolutionary Biology
BIOL 3107 – Evolution in Health and Disease
BIOL 3204 – Histology
BIOL 3205 – Human Physiology II
BIOL 4209 – Neurobiology
BIOL 4310 – Molecular Ecology
CHEM 2301 – Analytical Chemistry I: Quantitative Analysis
CHEM 2302 – Analytical Chemistry II: Introduction to Instrumental Analysis

*Tier 3 General Education courses must be taken from at least two of the four thematic clusters.

General Education

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

GRADUATION REQUIREMENTS

Students completing degree requirements will be awarded a Bachelor of Science degree in their chosen major (Cellular and Molecular Biology, Chemistry, Environmental Science, General Science, Geology or Health Sciences) from Mount Royal.

CURRICULUM – CHEMISTRY

BCEM 2201 – General Biochemistry
 CHEM 1201 – General Chemistry – Structure and Bonding
 CHEM 1202 – General Chemistry – Introduction to Quantitative Chemistry
 CHEM 2101 – Organic Chemistry I
 CHEM 2102 – Organic Chemistry II
 CHEM 2301 – Analytical Chemistry I: Quantitative Analysis
 CHEM 2302 – Analytical Chemistry II: Introduction to Instrumental Analysis
 CHEM 2401 – Inorganic Chemistry
 CHEM 2601 – Introduction to Physical Chemistry
CHEM 3200 – Research Methods
 CHEM 3201 – Structure Determination
 CHEM 3601 – Thermodynamics or PHYS 3601 - Thermodynamics
 CHEM 3602 – Elementary Quantum Mechanics
 CHEM 3701 – Introduction to Molecular Modelling
 COMP 2001 – Computer-Based Problem Solving for the Sciences
 MATH 1200 – Calculus for Scientists I
 MATH 1203 – Linear Algebra for Scientists and Engineers
 MATH 2200 – Calculus for Scientists II
 MATH 3200 – Mathematical Methods
 PHYS 1201 – Classical Physics I
 PHYS 1202 – Classical Physics II
 PHYS 2201 – Acoustics, Optics, and Radiation

One of:

CHEM 4103 – Advanced Organic Chemistry: Synthesis
 CHEM 4301 – Advanced Analytical Chemistry
 CHEM 4701 – Molecular Modelling
 Approved Option*
 Approved Option*
 Approved Option*
 General Education Requirement Cluster 1, Foundation
 General Education Requirement Cluster 2, Foundation
 General Education Requirement Cluster 3, Foundation
 General Education Requirement Cluster 4, Foundation
 General Education Requirement Cluster 2, Tier 2
 General Education Requirement Cluster 3, Tier 2
 General Education Requirement Cluster 4, Tier 2
 General Education Requirement Tier 3**
 General Education Requirement Tier 3**
 General Education Requirement Tier 3**
 Four Electives

* Approved 3-credit options include three of the following:

BCEM 4212 – Biochemical Pharmacology
 CHEM 4103 – Advanced Organic Chemistry: Synthesis
 CHEM 4213 – Drug Discovery
 CHEM 4301 – Advanced Analytical Chemistry
 CHEM 4411 – Organometallic Chemistry and Catalysis
 CHEM 4602 – Advanced Quantum Mechanics
 CHEM 4603 – Symmetry and Spectroscopy
 CHEM 4605 – Statistical Mechanics
 CHEM 4701 – Molecular Modelling
 CHEM 4801 – Nuclear Chemistry

**Tier 3 General Education courses must be taken from at least two of the four thematic clusters.

General Education

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

GRADUATION REQUIREMENTS

Students completing degree requirements will be awarded a Bachelor of Science degree in their chosen major (Cellular and Molecular Biology, Chemistry, Environmental Science, General Science, Geology or Health Sciences) from Mount Royal.

CURRICULUM – ENVIRONMENTAL SCIENCE

CHEM 1202 – General Chemistry - Introduction to Quantitative Chemistry **or**

CHEM 1207 – General Chemistry for the Environmental Sciences

CHEM 2157 – Industrial Organic Chemistry

ECOL 1111 – Terrestrial Ecology

ECOL 2201 – Plant Survey and Classification

ECOL 2219 – Aquatic Ecology

ENVS 1105 – Data Processing and Statistics

ENVS 1111 – Professional Development: Health and Safety for the Environment Industry

ENVS 2020 – Work Experience I (required)

ENVS 2100 – Introduction to Environmental Science

ENVS 2203 – Introduction to Soil Science

ENVS 2215 – Applied Instrumentation

ENVS 2221 – Water Pollution and Surface Water Analysis

ENVS 3020 – Work Experience II (required)

ENVS 3305 – Soil Hydrology

ENVS 3307 – Air Pollution Monitoring

ENVS 3323 – Watershed Management

ENVS 3333 – Ground Water Contamination

ENVS 3335 – Issues in Environmental Assessment

ENVS 4201 – Environmental Research Methods

ENVS 4405 – Air Quality

ENVS 4406 – Soil Genesis and Land Use

ENVS 4419 – Regulatory Management

ENVS 4431 – Management of Residuals

ENVS 4441 – Site System Remediation Design

GEOL 1101 – Physical Geology

MATH 1185 – Calculus with Applications **or** MATH 1200 – Calculus for Scientists I

MATH 1203 – Linear Algebra for Scientists and Engineers

MGMT 3269 – Project Management

General Education Requirement Cluster 1, Foundation

General Education Requirement Cluster 2, Foundation

General Education Requirement Cluster 3, Foundation

General Education Requirement Cluster 4, Foundation

General Education Requirement Cluster 2, Tier 2

General Education Requirement Cluster 3, Tier 2

General Education Requirement Cluster 4, Tier 2

Three General Education Requirement, Tier 3*

Four Senior Elective

* Courses must be selected from at least two of the four thematic clusters.

General Education

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

GRADUATION REQUIREMENTS

Students completing degree requirements will be awarded a Bachelor of Science degree in their chosen major (Cellular and Molecular Biology, Chemistry, Environmental Science, General Science, Geology or Health Sciences) from Mount Royal.

BACHELOR OF SCIENCE – GEOLOGY

Entry into the program

Students transferred into the Geology Major must register immediately in the following courses in the Fall semester following their acceptance into the program; failure to do so will affect course availability and progression through the program:

GEOL 2103 – Minerals and Rocks

GEOL 2105 – Structural Geology

GEOL 2300 – Geologic Field Methods I

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 2300 – Geologic Field Methods I

GEOL 3300 – Geological Field Methods II

GEOL 4300 – Advanced Geologic Field Methods

Note: 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.

CURRICULUM – GEOLOGY

CHEM 1201 – General Chemistry – Structure and Bonding

CHEM 1202 – General Chemistry – Introduction to Quantitative Chemistry

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

GEOL 1101 – Physical Geology

GEOL 1103 – Historical Geology

GEOL 2103 – Minerals and Rocks

GEOL 2105 – Structural Geology

GEOL 2107 – Palaeontology

GEOL 2109 – Stratigraphy and Sedimentation

GEOL 2111 – Crystallography and Optical Mineralogy

GEOL 2300 – Geologic Field Methods I

GEOL 3103 – Igneous Petrology

GEOL 3107 – Geomorphology

GEOL 3109 – Sedimentary Petrology

GEOL 3111 – Metamorphic Petrology

GEOL 3113 – Geochemistry

GEOL 3115 – Exploration Geophysics

GEOL 3300 – Geological Field Methods II

One of: GEOL 4101 – Advanced topics in Sedimentary Geology **or** GEOL 4103 – Advanced topics in Igneous/Metamorphic Geology **or** GEOL 4515 – Sedimentary Basin Analysis **or** GEOL 4601 – Plate Tectonic Regimes

GEOL 4105 – Hydrogeology

GEOL 4107 – Geological History of Western Canada **or** GEOL 4607 – Geology of the Canadian Cordillera

GEOL 4109 – Petroleum Geology

GEOL 4111 – Ore Deposits and Economic Geology

GEOL 4113 – Geoscience Research **or** GEOL 5201 – Independent Research Projects I

GEOL 4300 – Advanced Geological Field Methods

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 Cluster 1, Foundation

General Education Requirement Cluster 2, Foundation

General Education Requirement Cluster 3, Foundation

General Education Requirement Cluster 4, Foundation

General Education Requirement Cluster 2, Tier 2

General Education Requirement Cluster 3, Tier 2

General Education Requirement Cluster 4, Tier 2

General Education Requirement Tier 3*

General Education Requirement Tier 3*

General Education Requirement Tier 3*

Elective

* Courses must be selected from at least two of the four thematic clusters.

General Education

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

GRADUATION REQUIREMENTS

Students completing degree requirements will be awarded a Bachelor of Science degree in their chosen major (Cellular and Molecular Biology, Chemistry, Environmental Science, General Science, Geology or Health Sciences) from Mount Royal.

CURRICULUM – HEALTH SCIENCE

BCEM 2201 – General Biochemistry
BIOL 1202 – An Introduction to Cell Biology
BIOL 1204 – The Evolution of Eukaryotes
BIOL 2101 – Genetics
BIOL 2105 – Microbiology I
BIOL 2202 – Cellular and Molecular Biology
BIOL 2203 – Human Anatomy
BIOL 3104 – Human Physiology I
BIOL 3204 – Histology
BIOL 3205 – Human Physiology II
BIOL 4102 – Pathophysiology
BIOL 4207 – Womb to Tomb: Embryology, Development and Aging
BIOL 4208 – Seminars in Health Science
CHEM 1201 – General Chemistry – Structure and Bonding
CHEM 1202 – General Chemistry – Introduction to Quantitative Chemistry
CHEM 2101 – Organic Chemistry I
CHEM 2102 – Organic Chemistry II
MATH 1200 – Calculus for Scientists I
MATH 2233 – Statistics for the Biological Sciences
PHIL 2223 – Bio Ethics
PHYS 1201 – Classical Physics I
PHYS 1202 – Classical Physics II
General Education Requirement Cluster 1, Foundation
General Education Requirement Cluster 2, Foundation
General Education Requirement Cluster 3, Foundation
General Education Requirement Cluster 4, Foundation
General Education Requirement Cluster 2, Tier 2
General Education Requirement Cluster 3, Tier 2
General Education Requirement Cluster 4, Tier 2
General Education Requirement Tier 3*
General Education Requirement Tier 3*
General Education Requirement Tier 3*
Four Electives
Four Approved Options*

***Approved 3-credit options must include four of the following:**

BCEM 4212 – Biochemical Pharmacology
BIOL 2213 – Principles of Ecology and Evolution
BIOL 3101 – Molecular Genetics
BIOL 3102 – Cell Dynamics and Signalling
BIOL 3103 – Introduction to Biophysics
BIOL 3105 – Microbiology II
BIOL 3106 – Evolutionary Biology
BIOL 3107 – Evolution in Health and Disease
BIOL 3203 – Genomes
BIOL 4209 – Neuroscience
BIOL 4211 – Applied Human Physiology
BIOL 4217 – Epidemiology
BIOL 4310 – Molecular Ecology
BIOL 5201 – Independent Project

*Tier 3 General Education courses must be selected from at least two of the four thematic clusters.

General Education

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

GRADUATION REQUIREMENTS

Students completing degree requirements will be awarded a Bachelor of Science degree in their chosen major (Cellular and Molecular Biology, Chemistry, Environmental Science, General Science, Geology or Health Sciences) from Mount Royal.

BACHELOR OF SCIENCE — COMPUTER SCIENCE (UNIVERSITY TRANSFER)

GENERAL INFORMATION

This program offers the first two years of the University of Calgary's Bachelor of Science degree in Computer Science and allows students to transfer between one and two years of studies to other universities. Mathematical ability is necessary for success in this program because of its emphasis on theoretical computing science and mathematics.

GENERAL ADMISSION REQUIREMENTS

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

ADDITIONAL ADMISSION REQUIREMENTS —

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

Academic Course Requirements

The following specific courses (or equivalencies) with the specified minimum grades are required for admission into the Bachelor of Science — Computer Science program:

- English Language Arts 30-1 — 60%
- Mathematics 30-1 — 65%

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.

CURRICULUM

COMP 1631 — Introduction to Computer Science I
COMP 1633 — Introduction to Computer Science II
COMP 2613 — Introduction to Computability
COMP 2631 — Information Structures I
COMP 2633 — Foundations of Software Engineering
COMP 2655 — Computing Machinery I
COMP 2659 — Computing Machinery II
COMP 3649 — Programming Paradigms
MATH 1200 — Calculus for Scientists I
MATH 1203 — Linear Algebra for Scientists and Engineers
MATH 1271 — Discrete Mathematics
PHIL 1179 — Introduction to Symbolic Logic

Option

Option

Option

Non-science Option

Non-science Option

Non-science Option

Non-science Option

Non-science Option

Mathematics 1224 and English 2263 are recommended options. Information on requirements at various universities can be obtained from a computer science academic advisor. A few transferable courses such as introductory courses in computer science designed for non-majors, may not be accepted towards a degree by some universities.

Note: In accordance with University of Calgary policy, students are normally permitted to repeat a course only once.

CERTIFICATE — ENVIRONMENTAL SCIENCE

GENERAL INFORMATION

This program provides a good basic training in environmental science. It is aimed at those individuals possessing on-the-job experience of an environmental nature and/or a post-secondary credential in a related field. A timetable may be able to be arranged to accommodate part-time and evening students who are employed full-time and who wish to broaden their background. Some courses may be able to be designed to allow students, in consultation with the instructor and advisor, to select specific topics to be covered during the course. These topics will be selected with the intent of making them relevant to the student's interests and needs.

Upon completion of the program, graduates with appropriate course work may be eligible to apply for certification by the Alberta Institute of Agrologists, the Alberta Society of Engineering Technologists, or the Canadian Environmental Certification Approvals Board.

Non-Certificate Students

Persons wishing to take certain courses in the program but not intending to obtain a certificate may register for those courses with the permission of the academic advisor.

ADMISSION REQUIREMENTS

- Alberta High School Diploma or 18-years-of-age by September 1 for the Fall Semester to which the applicant is applying.
- Enrolment is restricted to persons with experience in environmental management and/or related fields.
- Students interested in this program should speak with the academic advisor.

Note: Entrance to the certificate program is based on consent of the department. Students may progress at their own rate; however, it is recommended that the certificate requirements be completed within three years. Laboratory requirements will depend upon the student's background. Enrolment may be limited in the program.

CURRICULUM

This program is offered on a part-time basis and may take more than one year to complete.

ENVS 3303 – Life Cycle Assessment

ENVS 3323 – Watershed Management

ENVS 4405 – Air Quality

ENVS 4407 – Pollution Prevention: Toward Zero Emissions

ENVS 4431 – Management of Residuals

ENVS 4433 – Quality Assurance/Quality Control

Approved Option

Approved Option

Approved Option

Approved Option

Select Approved Options

ECOL 2219 – Aquatic Ecology

ENVS 2201 – Introduction to Industrial Ecology

ENVS 2215 – Applied Instrumentation

ENVS 2221 – Water Pollution and Surface Water Analysis

ENVS 3307 – Air Pollution Monitoring.

ENVS 3333 – Groundwater Contamination

ENVS 3335 – Issues in Environmental Assessment

ENVS 4413 – Principles of Eco-Industrial Development

ENVS 4417 – Design for the Environment

ENVS 4419 – Regulatory Management

ENVS 4423 – Market Based Initiatives

ENVS 4441 – Site System Remediation Design

OFFICE OF THE AVP, TEACHING AND LEARNING

PROGRAMS OFFERED

General Education

University Entrance Option

GENERAL EDUCATION

GENERAL EDUCATION

General Education at Mount Royal is a consciously structured pursuit of the aims of what has traditionally been known as 'liberal education'. It ensures students achieve both breadth and depth in the skills and knowledge that are relevant to the world in which they will live. Thus, General Education provides students with the opportunity to build their ability to think critically, develop their communication and mathematical skills, stimulate their capacities for creative, innovative thinking, and enrich their knowledge of the wider social, cultural, and natural worlds in which they will live and work.

General Education at Mount Royal recognizes that undergraduate education should also strive to enrich the individual's life and benefit society apart from the requirements of employment. It should, in particular, foster knowledge and a strong reflective capacity with respect to the social, cultural, and scientific matters of importance to both the individual and the communities in which they live.

General Education courses are organized into four thematic clusters:

- Cluster 1 – Numeracy & Scientific Literacy
- Cluster 2 – Values, Beliefs & Identity
- Cluster 3 – Community & Society
- Cluster 4 – Communication

Each thematic cluster has three different tiers: foundation tier, tier two, and tier three. General Education requirements are mandatory for all students pursuing a baccalaureate degree or diploma program and will vary depending on the program. Students should review mruGradU8 or speak with their advisor to ensure that they are meeting program requirements.

Transfer Credit

Transfer credit is available for students with prior university-transferable post-secondary coursework.

General Education Courses

There is a wide variety of courses that will satisfy the requirements for General Education. Full descriptions of these courses are listed in the course description section of the calendar or online at mtroyal.ca/gened/courses

MINORS

Choosing a minor allows students to focus on a secondary area of interest to their major. Students should consider a minor if they have more than one main interest or if they want to connect two areas of study (for example, a major in Spanish with a minor in Linguistics, or a major in Business with a minor in Economics).

- A minor is recorded on the transcript but does not appear on the parchment.
- The number of required courses for a minor can vary between six and ten courses.
- Double minors are possible.
- Students can complete a minor outside of their faculty (e.g., Biology major with an Anthropology minor).
- Students may not graduate with a major and a minor in the same discipline (e.g., English major with an English minor).
- Normally, a student cannot use a core requirement for a major to satisfy the requirement for a minor. The only exception is within an interdisciplinary degree (e.g., Business or Science).
- Students can use courses that satisfy General Education and/or elective requirements to complete a minor or double minor.
- Graduating with a minor requires a cumulative GPA of 2.00.
- Students must declare their intention to complete a minor. The form is available at the Office of the Registrar or online at mtroyal.ca/AcademicSupport/StudentRegistrationRecords/StudentForms

Students planning to complete a minor should check with an Advisor early in their studies, so that they can ensure that they meet all requirements before graduation. Most courses at the 3000 and 4000 level have prerequisites, so students should consider those prerequisites when selecting their 1000 and 2000 level courses.

MINOR IN ACCOUNTING

The Minor in Accounting provides graduates with the accounting knowledge and skills to complement their major area of interest.

The Accounting Minor focuses on developing an understanding of the accounting process and prepares students for entry level accounting positions. The Accounting Minor is open to students outside of the Bachelor of Business Administration program and successful completion of the Minor is recorded on the student's transcript.

To complete a Minor in Accounting, students must take six courses from the following course of study:

Required courses:

ACCT 2121 – Financial Accounting Concepts
ACCT 3220 – Financial Accounting Practices
ACCT 3221 – Intermediate Accounting I
ACCT 3224 – Management Accounting I

Two of the following:

ACCT 3227 – Oil and Gas Accounting
ACCT 3228 – Management Accounting II
ACCT 4222 – Intermediate Accounting II
ACCT 4225 – Principles of Auditing
ACCT 4280 – Introduction to Personal and Corporate Income Tax
ACCT 4381 – Advanced Financial Accounting
ACCT 4382 – Advanced Managerial Accounting
ACCT 4403 – Accounting Theory

Students intending to pursue the Chartered Professional Accountant (CPA) Professional Education Program (PEP) post-graduation need to make themselves aware of the CPA student academic achievement requirements for prerequisite learning for entrance into the PEP program. These academic requirements can be found by visiting the CPA Alberta website.

MINOR IN ANTHROPOLOGY

The field of Anthropology covers all aspects of human life, across time and space. The goal is a holistic understanding of our varied way of life. You will gain knowledge in areas such as cultural anthropology, biological anthropology, linguistic anthropology and archaeology, and the interconnections among them.

Students must complete eight Anthropology courses to achieve a minor in Anthropology:

Required courses:

Three 1000-level Anthropology courses
Two Anthropology courses at the 3000-level or higher
Three additional Anthropology courses, of which only one may be at the 1000-level

Note: Students should be aware registration in senior level ANTH courses may require successful completion of specific ANTH courses at the 1000, 2000, and/or 3000 level.

MINOR IN ART HISTORY

Art History studies art and visual culture through the history of civilization. The role of art history is to answer complex questions about the ever changing political, religious, social and economic situations in which artistic production takes place.

Required courses:

ARTH 1101 – The History of Art: Prehistory to Renaissance
ARTH 1103 – The History of Art: Renaissance to the Present
ARTH 3315 – Art and Ideas

At least one course at the 4000 level
Four additional ARTH courses at the 2000 level or higher

MINOR IN BIOLOGY

A minor in Biology provides students with the opportunity to learn about the science of life. The requirements for the Biology minor are a minimum of 6 courses from the Department of Biology. This minor is not available to students enrolled in Health Science or Cellular and Molecular Biology majors.

Required courses:

BIOL 1202 – Introduction to Cell Biology

BIOL 1204 – Evolution of Eukaryotes

Two 2000-level or higher Biology courses

Two 3000-level or higher Biology courses

Note: A minimum grade of C- is required in the courses comprising the minor.

MINOR IN BUSINESS

The minor in Business provides a general overview of the business environment to students in degree programs outside of the Bissett School of Business. Through exposure to the major functional areas in business, students will be able to supplement their discipline studies as they prepare to launch their careers following graduation. This minor is not available to students enrolled in the BBA.

Required courses:

ACCT 2121 – Financial Accounting Concepts

HRES 2170 – Introduction to Human Resources

MGMT 2130 – Management Principles & Practices

MKTG 2150 – Introduction to Marketing

Plus any three 3000-level or higher course offered by the Bissett School of Business.*

* Senior level courses may require completion of one or more prerequisites outside of the minor.

MINOR IN BUSINESS AND SOCIETY

This minor explores the relationship between business and society at large and how business and society influence one another. Students will examine the different roles that an organization can play relating to all of the various stakeholders in a constantly changing environment.

Required courses:

ENTR 3370 – Society, Innovation and Enterprise

INBU 2201 – Cross Cultural Management

MGMT 4402 – Corporate Social Responsibility

MGMT 4403 – Environmental Management & Sustainable Development

MGMT 4407 – Governance & Ethical Issues in Organizations

PHIL 2229 – Business Ethics

MINOR IN BUSINESS OF SPORT AND RECREATION

The minor in Business of Sport and Recreation provides a general overview of the organization, management and leadership of the sport and recreation industry. This will include a focus on all elements of the industry including amateur sport, community recreation and professional sport among others. Students will learn about the unique elements of this industry and how they can best prepare themselves to be leaders in it. Students completing a Bachelor of Health and Physical Education – Sport and Recreation Management cannot receive recognition for this minor.

The minor is composed of four required courses and two options, for a total of six courses.

Required courses:

ENTR 2301 – The Entrepreneurial Experience

HPED 1640 – Program Planning

MKTG 2150 – Introduction to Marketing

SRMG 1400 – Organization and Administration of Sport

One of the following:

ACCT 2121 – Financial Accounting Concepts

ENTR 3302 – Innovation and Creativity for Entrepreneurial Practice

MGMT 3210 – Business Communication Theory and Practice

MGMT 3230 – Business Law

MKTG 3258 – Evidence-Based Marketing

One of the following:

HPED 3630 – Recreation and Sport Tourism

SRMG 2400 – Commercial Recreation

SRMG 2440 – Community Development

SRMG 3400 – Facility and Event Management

SRMG 5400 – Issues in Sport and Recreation Management*

*One or more prerequisites may be required outside of the minor.

Note: One course must be taken at a 3000 level or higher.

MINOR IN CANADIAN STUDIES

Canadian Studies involves an interdisciplinary examination of the history, culture, society, politics, economy and art of Canada. Canadian Studies spans a diverse number of topics and seeks to understand important issues about Canada and Canada's place in the world both past and present. This minor is of relevance to virtually every program at Mount Royal University, particularly so in the areas of business, history, politics, literature, economics and education.

Required courses:

CNST 1131 – Introduction to Canadian Studies

CNST 3730 – Canadian Issues in Context

Six courses from the following list, with at least one course from each of groups 1, 2, and 3. At least four of these courses must be at the 2000 level or higher.

Group 1: Artistic and Literary, at least one of:

ARTH 2205 – Hipsters, Tricksters and Adventurers

ENGL 2270 – Canadian Literature to 1914*

ENGL 2271 – Canadian Literature from 1914 to the Present *

ENGL 3256 – Canadian Drama*

ENGL 3372 – Western Canadian Literature*

FILM 3349 – Canadian Film

LING 2241 – Languages of Canada

All courses designated FREN*

Group 2: Historical and Political, at least one of:

CNST 2233 – Canada in Comparative and International Perspective
 ECON 2255 – Economics of the Public Sector
 HIST 1131 – Canada, Origins to 1867
 HIST 1133 – Modern Canada, 1867 to Present
 HIST 2108 – Gender History in Canada
 HIST 2210 – Travel Studies in Canadian History
 HIST 2215 – History of the People of the Plains: Treaty 7 Field Course
 HIST 2232 – Home, Work and Play in Canada
 HIST 2247 – Canada's Frontier: The History of the West
 HIST 3304 – History of Children and Youth in Canada
 HIST 3356 – Topics in Canadian History
 HIST 4404 – Topics in Canadian Social History*
 HIST 4455 – Canada in the Era of the Cold War*
 PLSC 1123 – Canadian Political Issues
 PLSC 2231 – The Canadian State *
 PLSC 3229 – Alberta and Provincial Politics*
 POST 3303 or PLSC 3303 – Federalism*
 SINV 2201 – Introduction to Social Innovation

Group 3: Cultural and Societal, at least one of:

CRJS 1003 – Introduction to the Justice System
 CRJS 1013 – Diversity Issues and the Criminal Justice System
 CRJS 2004 – Issues and Trends in Canadian Policing*
 GEOG 2225 – Regional Geography of Canada
 HIST 3306 – Racism and Immigration in Canada
 HIST 3319 – Conflict and Violence in Canadian History
 HIST 3345 – First Nations in Canada: Co-operation, Coercion and Confrontation
 HIST 3383 – Sin, Vice, and Religion in Canada
 HIST 4406 – Gender, Sexuality and the Body in Canadian History*
 INST 1101 – Introduction to Indigenous Studies: The Canadian Context
 INST 2730 – Topics in Indigenous Studies
 SLGY 2265 – Social Stratification and Inequality
 WGST 2221 – Women and Health

* This course may require one or more prerequisites outside of the minor.

Note: A maximum of four courses at the 1000 level may be counted as part of this minor.

MINOR IN CHEMISTRY

Chemistry is the central science and has wide applications throughout society. Many students want to gain a deeper understanding of the molecular processes behind the machinery of life. Other students enjoy the kinesthetic learning and the opportunity to get into the laboratory and see how science is practiced in a practical setting. Some students are interested in the theoretical aspects of chemistry. Specifically, how mathematics and computers can be used to design the newest materials and pharmaceuticals to improve the quality of life for people throughout the world.

Students who choose a minor in Chemistry will receive a mixture of classroom and practical laboratory instruction. Students will take General Chemistry, which contains sections from a number of different subdisciplines. This will be followed by courses in Organic/Inorganic Materials and Nuclear Chemistry. The minor consists of eight Chemistry courses.

Required Courses:

CHEM 1201 – General Chemistry - Structure and Bonding
 CHEM 1202 – General Chemistry - Introduction to Quantitative Chemistry
 CHEM 2101 – Organic Chemistry I
 CHEM 2102 – Organic Chemistry II

CHEM 2401 – Inorganic Chemistry
 CHEM 3201 – Spectroscopy
 CHEM 3802 – The Science and Politics of Nuclear Energy
 CHEM 4411 – Organometallic Chemistry and Catalysis

MINOR IN COMPUTER INFORMATION SYSTEMS

A Minor in Computer Information Systems provides a powerful option to students who wish to pursue a degree in a non-computer related field of study and be equipped with a significant understanding of information and computer technology as they head out into the workplace. The Minor in Computer Information Systems consists of five core courses and two approved options for a total of seven courses of which at least one must be 3000 level or above.

Required courses:

COMP 1001 – Introduction to Computer-Based Problem Solving for the Sciences **or** COMP 1501 – Programming I: Introduction to Problem Solving and Programming
 COMP 2511 – Web I: Client Development
 COMP 2521 – Database I: Data Modeling and Query Languages
 COMP 2541 – Systems Analysis*

One of:

COMM 1661 – Technical Writing I
 ENGL 2263 – Technical Writing
 MGMT 3210 – Business Communication Theory

Two approved options:

ACCT 2121 – Financial Accounting Concepts
 COMP 1502 – Programming II: Object Oriented Programming
 COMP 2503 – Programming III: Data Structures
 COMP 2531 – Computer Architecture and Operating Systems
 COMP 3309 – Information Technology and Society
 COMP 3532 – System Administration and Maintenance
 COMP 4543 – Project Management and Quality Assurance
 COMP 4545 – Information Systems Organization
 HRES 2170 – Introduction to Human Resources
 MGMT 2130 – Management Principles and Practices
 MKTG 2150 – Introduction to Marketing

MINOR IN CREATIVE WRITING

The Minor in Creative Writing offers the opportunity to develop expertise in writing fiction, poetry, stage plays, screenplays, nonfiction and other forms of imaginative literature.

The Minor consists of six Creative-Writing courses plus two approved options in English designated writing courses.

Required Courses:**Two of the following courses (1000 level or higher):**

CRWT 1117 – Introduction to Writing Poetry
 CRWT 1118 – Introduction to Writing Fiction
 CRWT 2264 – Poetry 1: Contemporary Practice
 CRWT 2265 – Poetry 2: Poetic Precedents
 CRWT 2266 – Fiction 1: Contemporary Practice
 CRWT 2267 – Fiction 2: Poetic Precedents
 CRWT 2268 – Creative Nonfiction Travel Writing
 CRWT 3305 – Script Writing
 CRWT 3362 – Advanced Creative Writing: Poetry
 CRWT 3368 – Advanced Creative Writing: Fiction
 CRWT 4802 – Experiential Studies in Creative Writing

Three of the following courses (2000 level or higher):

CRWT 2264 – Poetry 1: Contemporary Practice
CRWT 2265 – Poetry 2: Poetic Precedents
CRWT 2266 – Fiction 1: Contemporary Practice
CRWT 2267 – Fiction 2: Poetic Precedents
CRWT 2268 – Creative Nonfiction Travel Writing
CRWT 3305 – Script Writing

CRWT 3362 – Advanced Creative Writing: Poetry
CRWT 3368 – Advanced Creative Writing: Fiction
CRWT 4802 – Experiential Studies in Creative Writing

One of the following courses (3000 level or higher):

CRWT 3305 – Script Writing
CRWT 3362 – Advanced Creative Writing: Poetry
CRWT 3368 – Advanced Creative Writing: Fiction
CRWT 4802 – Experiential Studies in Creative Writing

One approved option:

CRWT 3305 – Script Writing
ENGL 2205 – Writing about Literature*
ENGL 2207 – Intermediate Writing
ENGL 2263 – Technical Writing
ENGL 3266 – Editing: Theory and Practice
ENGL 3304 – Advanced Writing: Theory, Pedagogy, Practice
ENGL 4801 – Select Topics in Writing

One of the following courses (3000 level or higher or approved option):

CRWT 3305 – Script Writing
CRWT 3362 – Advanced Creative Writing: Poetry
CRWT 3368 – Advanced Creative Writing: Fiction
CRWT 4802 – Experiential Studies in Creative Writing
ENGL 2205 – Writing about Literature*
ENGL 2207 – Intermediate Writing
ENGL 2263 – Technical Writing
ENGL 3266 – Editing: Theory and Practice
ENGL 3304 – Advanced Writing: Theory, Pedagogy, Practice
ENGL 4801 – Select Topics in Writing

*This course requires one or more prerequisites outside of the minor.

MINOR IN ECONOMICS

Economics examines how people, businesses, governments and various institutions use their limited resources to gain the highest satisfaction of their needs, wants and desires. It identifies opportunities available to us, and the choices and policies that bring us and our communities the greatest satisfaction. Economics is administered through the Department of Economics, Justice and Policy Studies.

Required courses:

ECON 1101 – Principles of Microeconomics
ECON 1103 – Principles of Macroeconomics
ECON 2211 – Intermediate Economic Theory – Microeconomics I **or** ECON 2244 – Managerial Economics
ECON 2213 – Intermediate Economic Theory – Macroeconomics I
ECON 3395 – Introduction to Applied Econometrics

One of the following:

MATH 1224 – Introduction to Statistics*
MGMT 2262 – Business Statistics I
POST 2209 – Methodology and Statistics*
Two additional ECON courses at 2000 level or higher

*This course may require one or more prerequisites outside of the minor.

MINOR IN ELEMENTARY SCHOOL HEALTH AND PHYSICAL EDUCATION

Required courses:

HPED 1040 – Wellness and the Student: From Personal Health to Community Action
PHYL 1310 – Teaching Games for Understanding
PHYL 1530 – Movement Education
PHYL 3518 – Physical Growth and Development

Optional Courses (at least six credits from the following):

HPED 2507 – Nutrition and Health
HPED 2810 – Invasion Games
HPED 2830 – Introductory Flexibility and Relaxation*
HPED 2832 – Functional Gymnastics
HPED 2852 – Net and Implement Games
HPED 2870 – Introductory Backpacking
HPED 2871 – Introductory Mountain Travel
HPED 2872 – Wilderness Survival Techniques
HPED 2873 – Introductory Rock Climbing
HPED 2875 – Introductory Mountain Biking
HPED 2880 – Introductory Canoeing
HPED 2881 – Introductory Kayaking
HPED 2883 – Recreational Games in an Aquatic Environment
HPED 2884 – Introductory Winter Travel
HPED 3740 – Wellness and the Student: From Community Health to Global Action
HPED 3884 – Winter Backcountry Travel
PHYL 2520 – Introductory and Intermediate Coaching
PHYL 3320 – Adapted Physical Activity
ETOL – specific courses, which can be used to fulfill an activity requirement

*This course requires one or more prerequisites outside of the minor.

MINOR IN ENGLISH

The discipline of English has expanded beyond the traditional study of literature to include creative writing, film studies, technical writing and cultural studies. The Minor in English lets you explore the craft and meaning behind a range of literary and popular texts, analyze how words can shape our ethical, cultural and critical sensibilities, and practice the art of communicating with elegance and clarity. The minor involves a total of eight courses.

Required courses:

ENGL 1101/GNED 1401 or 1403 or 1404
One 1000 level English course
Two 3000-level or higher English courses
Four additional 2000-level or higher English courses

Note: ENGL 2210 – English Literature to the Restoration and ENGL 2211 – English Literature from the Restoration to the Present are highly recommended, as they are prerequisites for many 3000 level courses.

MINOR IN FILM STUDIES

The Minor in Film Studies encourages students to select a combination of courses dedicated to film as well as to related disciplines that inform the making and appreciation of cinema. The history, art and politics of film – as well as the dynamics of critical reception from fans to philosophers – are all part of the experience. This interdisciplinary minor involves a total of eight courses, including four to seven FILM courses.

Required courses:

FILM 1143 – Introduction to the Study of Film

One 2000-level or higher FILM course

Two 3000-level or higher FILM courses

One of the following:

ANTH 2243 – Anthropology Through Film *

ARTH 1101 – The History of Art: Prehistory to Renaissance

ARTH 1103 – The History of Art: Renaissance to the Present

ARTH 2207 – Provocative Themes in Art Explored

ARTH 2209 – History of Modern Art from 1850 to 1920

ARTH 3311 – Art, Revolution and Pop Culture

COMM 3521 – The Documentary

CRWT 3305 – Script Writing*

ENGL 3256 – Canadian Drama*

ENGL 3309 – Theatre and Performance from 1900 to Now*

FREN 3343 – Francophone Cinema for Oral and Written Communication*

HIST 2291 – Film and History

SPAN 2220 – Ibero-American Cinema

SPAN 3312 – Hispanic Cinema*

Three additional 2000-level or higher courses from FILM or from the above list.

*This course requires one or more prerequisites outside of the minor.

MINOR IN FINANCE

The Finance Minor provides graduates with the finance knowledge and skills to complement their major area of interest. The Finance Minor focuses on developing an understanding and appreciation of basic financial accounting, corporate finance, and financial markets. Students may be awarded the Minor in Finance or the Minor in Finance and Economics, but not both.

Required courses:

ACCT 2121 – Financial Accounting Concepts

FNCE 3227 – Introduction to Finance

Four of the following:

FNCE 2132 – Introduction to the Stock Market

FNCE 3228 – Advanced Corporate Finance

FNCE 3302 – International Finance

FNCE 3304 – Business and Financial Modeling

FNCE 4407 – Investment Principles

MINOR IN FINANCE AND ECONOMICS

A joint offering of the Bissett School of Business and the Faculty of Arts, this minor will appeal to the student who recognizes the synergies between these two disciplines. A combination of theory and applied knowledge, this minor can be pursued by any degree student in the university. Students may be awarded the Minor in Finance or the Minor in Finance and Economics, but not both.

Required courses:

ACCT 2121 – Financial Accounting Concepts

ECON 1101 – Principles of Microeconomics

ECON 1103 – Principles of Macroeconomics

FNCE 3227 – Introduction to Finance

Four of the following, at least one must be chosen from this group:

ECON 2211 – Intermediate Economic Theory Microeconomics I

ECON 2213 – Intermediate Economic Theory Macroeconomics I

ECON 2221 – International Trade

ECON 2229 – International Money and Finance

ECON 2241 – Money and Banking

ECON 2255 – Economics of the Public Sector

At least one must be chosen from this group:

FNCE 2132 – Introduction to the Stock Market

FNCE 3228 – Advanced Corporate Finance

FNCE 3302 – International Finance

FNCE 3304 – Business and Financial Modeling

FNCE 4407 – Investment Principles

MINOR IN FINANCIAL SERVICES

The Minor in Financial Services will provide graduates with financial services knowledge and skills to complement their major area of interest. This series of courses provides an overview of the principles and practices of financial services that can be applied to opportunities in banking, investment, or insurance careers. After completion of all courses, students are prepared to write the examinations leading to the CFP® (Certified Financial Planner) designation.

Required courses:

FNCE 2132 – Introduction to the Stock Market

FNCE 3201 – Retirement Planning

FNCE 3203 – Income Tax Planning

FNCE 3205 – Strategic Investment Planning

FNCE 3207 – Risk Management & Estate Planning

MKTG 2150 – Introduction to Marketing

MINOR IN FRENCH

French is a global language, and the second official language of many countries. It is spoken by approximately 265 million people worldwide. In Canada, French is an official language of government and business. In this context, a minor in French opens tremendous possibilities nationally and internationally. A minor in French complements a number of majors: Business, Communication Studies, Education, English, Humanities, Policy Studies, etc. Students planning on completing a minor in French should be advised that not all French courses are offered every year. Students should check with the Coordinator to ensure that they are able to meet all requirements before graduation.

Required courses:

FREN 2235 – Second-Year University French I

FREN 2237 – Second-Year University French II

Three additional FREN courses at the 3000 or 4000 level

Three additional FREN courses

Note: FREN 1109 and 1111 are not part of the French minor. Students taking courses in French are subject to placement testing, and courses required for the minor vary depending on placement test results. Students who are unsure of their level should contact the department to take a short placement test and/or take the online placement test available on the French web page. For more information, students should contact the Department of English, Languages, and Cultures.

This minor is designed for students who have successfully completed French Language Arts 30. Students pursuing this minor without French Language Arts 30 may have to take additional 1000 and/or 2000 level FREN courses.

Students should be aware registration in senior level FREN courses may require successful completion of specific FREN courses at the 1000, 2000, and/or 3000 level.

MINOR IN GENERAL SCIENCE FOR ELEMENTARY EDUCATION

The Minor in General Science for Elementary Education will provide students with classroom and practical laboratory instruction that will help them feel more comfortable teaching science in the elementary classroom. NTSC 3000 is a required course where each week students will perform labs based on the Alberta Learning elementary science curriculum, and they will have practice designing and testing their own lab experiences. Within the minor, students will take courses from a variety of scientific disciplines, reflecting the interdisciplinary design of the elementary science curriculum.

Students planning to complete a minor in General Science should check with an Advisor early in their studies so that they can ensure that they meet all requirements before graduation. Some of the courses in the minor have prerequisites, so students should consider these prerequisites when selecting their courses.

Students **MUST** be enrolled in the Bachelor of Education – Elementary degree program and complete six required courses.

Required courses:

NTSC 3000 – Experimental Science for Elementary Education

A minimum of two courses from List A

The other three courses can come from either List A or List B.

List A courses:

BIOL 1202 – Introduction to Cell Biology

CHEM 1201 – General Chemistry – Structure and Bonding

ECOL 1210 – Ecology

GEOL 1101 – Physical Geology

PHYS 1201 – Classical Physics I

List B courses:

ASTR 1101 – The Solar System

ASTR 1103 – The Universe at Large

BIOL 1205 – The Organization and Diversity of Life

BIOL 2309 – Plants and People

CHEM 1203 – The Organic Chemistry of Life

CHEM 2211 – The Chemistry Between Us

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

GEOG 1101 – The Physical Environment

GEOG 1105 – Introduction to Mapping, GIS and Remote Sensing

GEOL 1109 – Introduction to Geology

NTSC 1112 – An Introduction to Current Environmental Issues

PHYS 1104 – Everyday Physics – A Conceptual Introduction

Note: This minor is restricted solely to students enrolled in the Bachelor of Education – Elementary Education program. For current information on declaring a minor please go to mtroyal.ca/beadvised/mydegree.

MINOR IN GEOGRAPHY

The Geography Minor requires a minimum of seven geography courses.

Required courses:

GEOG 1101 – Physical Environment

GEOG 1103 – Human Environment

GEOG 1105 – Introduction to Mapping, GIS and Remote Sensing

One of the following:

GEOG 2107 – Weather and Climate

GEOG 2109 – Ecological Land Classification and Soils

GEOG 2111 – Earth's Changing Surface

GEOG 2553 – Geographic Information Systems

GEOG 2555 – Remote Sensing

One of the following:

GEOG 2225 – Regional Geography of Canada

GEOG 2230 – Regional Geography of Europe

GEOG 2235 – Regional Geography of Asia

GEOG 2333 – Geography of the World Economy

GEOG 2335 – Cities in the Modern World

GEOG 2337 – Political Geography

GEOG 2443 – Tourism and Recreation Geography

GEOG 2445 – Environmental Problems and Resource Management

One of the following:

GEOG 3107 – Conservation Biogeography

GEOG 3109 – Field Study in Physical Geography

GEOG 3309 – Field Study in Human Geography

GEOG 3445 – Global Environmental Issues

GEOG 3447 – Parks and Protected Areas

GEOG 3553 – Spatial Analysis and GIS

GEOG 4440 – Development Geography

One other geography course from the list above or one of the following:

GEOG 1102 – World Regional Geography

GEOG 2437 – Biogeography

GEOG 4129 – Advanced Field Study in Physical Geography

GEOG 4329 – Advanced Field Study in Human Geography

MINOR IN HISTORY

The minor in History allows students to explore a wide array of topics that range from the ancient past to the present and which span a number of countries and themes. The minor allows students to choose from a variety of courses in which they can take part in activities such as performing archival research, volunteering, traveling, and participating in hands-on field work. The minor exposes students to a broad range of historical knowledge and understanding and teaches students to think critically and how to collect, interpret and present evidence. These skills and knowledge are useful in a wide variety of professions such as law, education, politics, business and economics.

Required courses:

One 1000 level HIST course from at least two of the following areas (maximum four 1000 level courses):

- Canadian History
- European History
- American History

Four to six additional HIST courses at the 2000 level or above, of which at least two must be at the 3000 or 4000 level. (For a total of eight HIST courses in the minor)

Note: Students should be aware registration in senior level HIST courses may require successful completion of specific HIST courses at the 1000, 2000, and/or 3000 level.

MINOR IN HUMANITIES

The Humanities consist of the disciplines that study culture, history and the history of ideas from a multidisciplinary and analytical perspective. This minor provides the opportunity for students to enrol in courses from a variety of subject areas including Philosophy, History, Religious Studies, Humanities, Art History, Canadian Studies, Women's & Gender Studies, Mediterranean Cultures, Music, English and Indigenous Studies.

Required courses:

One of:

RELS 1101 – World Religions: Western
RELS 1103 – World Religions: Eastern
RELS 1105 – Comparing Religions

One of:

PHIL 1101 – Philosophy: Knowledge and Existence
PHIL 1130 – Philosophy: Sex and Love
PHIL 1149 – Philosophy: Values and Ethics

One of:

ENGL 1151 – The Art of Story: An Introduction to Literature
ENGL 1152 – Identity and Invention: An Introduction to Literature

One of:

HIST 1101 – Europe to 1500
HIST 1103 – Europe Since 1500
HIST 1111 – South Asia and the Indian Ocean
HIST 1117 – America to 1865
HIST 1119 – The United States: 1865 to the Present
HIST 1131 – Canada: Origins to 1867
HIST 1133 – Modern Canada

Four senior courses, two of which must be at the 3000 level or above from courses in Philosophy, History, Religious Studies, Humanities, Art History, Canadian Studies, Women's & Gender Studies, Indigenous Studies, Mediterranean Cultures, Music and English (for a total of eight courses in the minor)

Note: A maximum of four courses at the 1000 level may be counted as part of this minor.

MINOR IN HUMAN RESOURCES

The minor in Human Resources provides a general overview of the human resource discipline for students in degrees outside of the Bissett School of Business. This minor exposes students to introductory and advanced topics in the field of human resources. Students enrolled in the BBA – General management major may also choose to complete a minor in Human Resources.

Required courses:

HRES 2170 – Introduction to Human Resources

HRES 3278 – Employee Relations

Plus any other four 3000-level or higher HRES course.*

*Senior level courses may require completion of one or more prerequisites outside of the minor.

MINOR IN INDIGENOUS STUDIES

Indigenous Studies is the interdisciplinary analysis of Indigenous peoples, cultures, and histories in Canada and around the world. Indigenous Studies covers a broad range of topics and themes by engaging Indigenous perspectives of the past and present. This minor has relevance to many programs including those with a focus on health, education, justice and business.

Required courses:

HIST 3345 – First Nations in Canada: Co-operation, Coercion and Confrontation

INST 1101 – Indigenous Studies: The Canadian Context

INST 1111 – Indigenous Studies: The International Context

INST 2730 – Topics in Indigenous Studies

Four additional courses from the following list, with at least one course from each of groups 1, 2, and 3.

Group One: Canadian Perspectives

ANTH 2213 – Contemporary Aboriginal Issues in Canada
CRJS 4401 – Indigenous People and the Canadian Criminal Justice System*
HIST 1131 – Canada, Origins to 1867
HIST 2215 – History of the People of the Plains: Treaty 7 Field Course
HIST 2247 – Canada's Frontier: the History of the West

Group Two: International Perspectives

ANTH 2255 – An Ethnographic Survey of Native North America
ANTH 2214 – Ethnography of the Northwest Coast
ANTH 3319 – Ethnography of the Great Plains
ENGL 3390 – African Writing in English
HIST 3343 – Resistance and Resilience: Native Peoples in the United States
HIST 3346 – Indigenous People in Latin America

Group Three: Theoretical/Literary Perspectives

ANTH 2229 – Anthropology of "Race"
ANTH 2241 – Ethnography in Anthropology*
EDUC 3351 – Aboriginal Cultural Dimensions and Classroom Applications*
ENGL 2291 – Postcolonial Literature I*
ENGL 2292 – Postcolonial Literature II*
ENGL 3353 – Aboriginal Literatures
HIST 3306 – Racism and Immigration in Canada
SLGY 2275 – Theories of "Race" and Ethnicity*
WGST 3311 – Gender, Race & Representation*

*This course requires one or more prerequisites outside of the minor.

MINOR IN INNOVATION AND ENTREPRENEURSHIP

Whether you're applying for a dream job, changing the world, or launching a venture, mastering innovation and having an entrepreneurial mindset will help you get there.

Consider a minor in Innovation and Entrepreneurship if:

- You want to compliment your current program of study with a set of skills and a vibrant community of peers who want to build, create and innovate
- You want to add value to any organization you join
- You might want to start your own venture now, or in the future
- You want to tackle complex problems and have an impact on others
- You want to explore your passions and see where it leads you

Rekindle your creativity, discover your passion, develop entrepreneurial skills, and connect with others in ways that will serve you long after you graduate.

Required courses:

ENTR 2301 – Innovation and the Entrepreneurial Experience

ENTR 3302 – Creativity for Entrepreneurial Practice

Four of the following:

COMP 1207 – Intro to CIS for Business and Entrepreneurs

ENTR 3305 – The Art of the Pitch

ENTR 3350 – Navigating and Spearheading Product Launch

ENTR 3360 – How Technology Enables Innovation

ENTR 3370 – Society, Innovation and Enterprise

ENTR 3730 – Special Topics

ENTR 4332 – Venture Launch

ENTR 4343 – Growing the Enterprise

ENTR 4344 – Corporate Innovation and Entrepreneurship

ENTR 4420 – DNA of Buying, Selling and Business Development

ENTR 4433 – Business Plan Development*

SINV 3305 – Agents of Social Change

Any other 3000 or 4000 level ENTR course**

* This course requires one or more prerequisites outside of the minor.

** Students can only choose one additional ENTR 3000 or 4000 level course to complete this requirement.

Note: Students wishing to focus their minor in a particular area should consult with an advisor prior to selecting their option courses.

MINOR IN INTERNATIONAL BUSINESS

A series of international business courses has been designed for students who want to participate in the global economy, international trade, marketing goods and services internationally, increasing the competitiveness of an organization through co-operation with foreign partners or suppliers or even establishing a business venture beyond Canadian borders. In the completion of these international business courses, students have an opportunity to earn a Forum for International Trade Training diploma.

Required courses:

INBU 2201 – Cross Cultural Management

INBU 3301 – Global Business Environment

INBU 3302 – International Marketing

INBU 3304 – Global Supply Chain Management

INBU 3305 – International Market Entry Strategy

Plus any one of the following:

FNCE 3302 – International Finance**

INBU 2299, 3399 – Directed Readings *

INBU 3306 – International Trade Research

INBU 3307 – International Trade Law**

INBU 3730 – Special Topics in International Business

INBU 4408 – International Trade Management

* No more than one Directed Readings course in a single discipline can be used for graduation purposes.

** This course requires one or more prerequisites outside of the minor.

MINOR IN INTERNATIONAL BUSINESS AND ECONOMICS

This is an interdisciplinary minor that will give the students a theoretical and practical perspective on an area that can only grow in importance in an increasingly globalized world market. Students will benefit from the opportunity to study the interrelated fields of International Business and Economics.

Required courses:

ECON 1101 – Principles of Microeconomics

ECON 1103 – Principles of Macroeconomics

INBU 3301 – Global Business Environment

Five of the following (at least one must be chosen from this group):

ECON 2221 – International Trade

ECON 2229 – International Money and Finance

One of:

ECON 2261 – Development Economics

ECON 2263 – Development Economics – Field School Program

At least one must be chosen from this group:

FNCE 3302 – International Finance*

INBU 3302 – International Marketing

INBU 3305 – International Market Strategies

INBU 3306 – International Trade Research

INBU 3307 – International Trade Law*

INBU 3730 – Special Projects in International Business

INBU 4408 – International Trade Management

*This course requires one or more prerequisites outside of the minor.

MINOR IN LINGUISTICS

Linguistics is a discipline dedicated to understanding all aspects of language. Students pursuing a minor in Linguistics learn about the structure of language including its words, sounds, and sentences. Students can also learn about how children and adults acquire language; how languages change over time; how languages differ from one another; and how the brain represents and processes languages. A minor in Linguistics is advantageous to students interested in pursuing a career in Speech Pathology or in teaching English as an additional language, and is beneficial to anyone interested in languages more generally. Students planning on completing a minor in Linguistics should be advised that not all Linguistics courses are offered every year. Students should check with the coordinator to ensure that they are able to meet all requirements before graduation.

Required courses:

LING 1111 – The Nature of Language I

LING 1113 – The Nature of Language II

LING 2201 – Syntax I

Five additional LING courses, of which two must be at the 3000 level or higher

MINOR IN MARKETING

The minor in Marketing provides a general overview of the marketing discipline for students in degree programs at Mount Royal University.

This minor exposes students to introductory and advanced topics in the field of marketing. Students have the option to focus on marketing creative or strategic marketing.

Required courses:

MKTG 2150 – Introduction to Marketing
MKTG 3150 – The Science of Persuasion
MKTG 3258 – Evidence-Based Marketing

Three of the following:

INBU 3302 – International Marketing
MKTG 3450 – Marketing Design Literacy
MKTG 3458 – Managing Marketing Relationships
MKTG 3550 – Creating Brand Intelligence
MKTG 3558 – Navigating Marketing Trends
MKTG 4850 – Professional Brand Studio
MKTG 4858 – Marketing Driven Strategy

Note: Students wishing to focus on marketing creative as part of their minor are advised to take MKTG 3450, MKTG 3550, and MKTG 4850. Students wishing to focus on strategic marketing as part of their minor are advised to take MKTG 3458, MKTG 3558, and MKTG 4858.

MINOR IN MATHEMATICS

The student is required to take the three core courses and then choose four courses from the approved Mathematics option in order to attain a total of seven courses of which at least two courses must be 3000 level or above.

Required courses:

MATH 1200 – Calculus for Scientists I
MATH 1202 – Calculus for Scientists II
MATH 1203 – Linear Algebra for Scientists and Engineers

Approved options:

MATH 1271 – Discrete Mathematics
MATH 1505 – Puzzling Adventures in Mathematics
MATH 2101 – Abstract Algebra
MATH 2301 – Calculus III
MATH 2302 – Calculus IV
MATH 2307 – Differential Equations I
MATH 2311 – Linear Algebra II
MATH 2321 – Mathematical Probability
MATH 2323 – Introduction to Mathematical Statistics
MATH 3101 – Numerical Analysis
MATH 3102 – Mathematical Modeling
MATH 3200 – Mathematical Methods
MATH 3303 – Topics in Applied Mathematics and Data Analysis
MATH 3325 – Theory of Interest
MATH 4101 – Abstract Algebra II
MATH 4102 – Analysis I
MATH 4103 – Complex Analysis
MATH 4105 – Applied Linear Models

Note: Courses in *Italics* are under development.

MINOR IN MATHEMATICS FOR ELEMENTARY EDUCATION

The student is required to take the three core courses and then choose three courses with at least one course must be 3000 level or above from the approved Mathematics options in order to attain a total of six courses of which at least two courses must be 3000 level or above.

Required courses:

MATH 1150 – Mathematical Reasoning
MATH 2150 – Higher Arithmetic
MATH 4201 – Seminar

Approved options:

MATH 1102 – Introduction to Geometry
MATH 1103 – Introduction to Statistical Reasoning
MATH 1205 – The Beauty of Mathematics
MATH 1505 – Puzzling Adventures in Mathematics
MATH 3201 – Visual Art and Mathematics: An Integrated Understanding
MATH 3202 – Mathematics through the Ages

MINOR IN PEACE AND CONFLICT STUDIES

Peace and Conflict Studies asks questions about inter/intra state warfare, gender dynamics and gender justice in conflict zones, colonial violence, Indigenous resistance/resurgence, and grassroots initiatives for peace and justice. Focusing on local and global contexts, Peace and Conflict Studies critically examines the political, social, economic and cultural structures and forces underpinning war and violence, and it investigates paths towards establishing and building peace. Peace and Conflict Studies courses are often interdisciplinary, intersectional, and global, reflecting the rich interdisciplinary frameworks of postcolonialism, feminism, international political sociology, history, and international relations.

Required courses:

INST 1101 – Introduction to Indigenous Studies: the Canadian Context
HIST 3345 – First Nations in Canada: Co-operation, Coercion and Confrontation

Six additional courses from the following list:

ANTH 2213 – Contemporary Aboriginal Issues in Canada
GNED 1301 – Citizenship without Borders
GNED 1303 – Conflict and the Social Context
GNED 3030 – Global Communities and Societies*
HIST 2263 – Conflict and Society in the Twentieth-Century
HIST 3343 – Resistance and Resilience: Native Peoples in the United States
HIST 3319 – Conflict and Violence in Canadian History
HIST 3361 – The Holocaust
HIST 4461 – Limits of Representation: Holocaust and Memory*
HIST 3373 – World War I
HIST 3365 – World War II
INST 1111 – Introduction to Indigenous Studies: International Perspectives
PLSC 2287 – Introduction to International Relations*
PLSC 3382 – International Organizations*
PLSC 3489 – Foreign Policies of the Major Powers*
PHIL 3350 – Power, Violence, Evil*
SLGY 3372 – Sociology of Violence*
SLGY 3304 – Social Movements*
WGST 2205 – Global Gender Issues
WGST 3310 – Colonization/Decolonization*

*This course requires one or more prerequisites outside of the minor.

MINOR IN PHILOSOPHY

Philosophy investigates the basic foundations and assumptions of every subject matter to determine what these foundations are and whether they are justified. It therefore asks fundamental questions about existence, knowledge, and morality.

Required courses:

Five PHIL courses

One course in Logic and Argumentation:

PHIL 1175 – Reason and Argument

PHIL 1179 – Introduction to Symbolic Logic

One course in Value Theory:

PHIL 1130 – Philosophy: Sex and Love

PHIL 1149 – Philosophy: Values and Ethics

PHIL 2216 – Nineteenth-Century Philosophy

PHIL 2219 – Philosophy of Law

PHIL 2223 – Bio Ethics

PHIL 2229 – Business Ethics

PHIL 2237 – Feminist Philosophy

PHIL 2241 – Existentialism

PHIL 2253 – Social and Political Philosophy

PHIL 2291 – Philosophy and the Environment

PHIL 3333 – Art, Beauty, Expression

PHIL 3345 – Is, Ought, Why

PHIL 3368 – Philosophy of History

PHIL 4730 – Advanced Philosophical Topics

One course in Epistemology/Metaphysics:

PHIL 1101 – Philosophy: Knowledge and Existence

PHIL 2204 – Medieval Philosophy

PHIL 2211 – The Classical Period

PHIL 2215 – The Early Modern Period

PHIL 2221 – Metaphysics

PHIL 2263 – Theory of Knowledge

PHIL 2267 – Philosophy of Science

PHIL 2281 – Philosophy of Mind

PHIL 2282 – Philosophy and Pop Culture

PHIL 3307 – Language, Truth, and Adventures in Abstraction

PHIL 3350 – Power, Violence, Evil

Note: Of the eight courses which make up this minor, at least two must be at the 3000 or 4000 level. No more than three courses may be at the 1000 level.

MINOR IN PHYSICS

The student is required to take five physics courses and three mathematics courses. A minimum grade of C+ must be achieved in all physics courses comprising the minor.

Required courses:

MATH 1200 – Calculus for Scientists I

MATH 1203 – Linear Algebra for Scientists and Engineers

MATH 2200 – Calculus for Scientists II

PHYS 1201 – Classical Physics I

PHYS 1202 – Classical Physics II

PHYS 2201 – Acoustics, Optics and Radiation

PHYS 2203 – Electromagnetism

PHYS 3602 – Elementary Quantum Mechanics

MINOR IN POLITICAL SCIENCE

Political Science, administered through the Department of Economics, Justice and Policy Studies, explores such concepts as right-centre-left, freedom, rights, justice, equality, democracy and the good life. Modern political science involves the systematic study of governmental power and authority and how these shape individuals, communities and nations.

Required courses:

PLSC 1101 – Introduction to Government and Politics

Seven additional PLSC courses, of which at least two must be at the 3000 or 4000 level and only three can be at the 1000 level.

Note: Students should be aware registration in senior level PLSC courses may require successful completion of specific PLSC courses at the 1000, 2000, and/or 3000 level.

MINOR IN PSYCHOLOGY

The minor in Psychology is designed for students who want to gain knowledge that will enhance their understanding of human behaviour. Topics such as lifespan development, theories of personality, abnormal behaviour, cognition, and social and biological psychology can be explored. Students will develop critical thinking skills, an understanding of ethics in research and an appreciation for the ambiguity of psychological explanations in understanding human behaviour. For those interested in a career in social services, human resources, marketing, teaching, medical services or administrative positions in a variety of fields, a minor in Psychology is an excellent addition to their program.

Required courses:

PSYC 1105 – Introduction to Psychology

At least two PSYC courses at the 3000 level or higher

A total of eight PSYC courses, excluding PSYC 1121

Note: Students who have completed PSYC 1103 and PSYC 1104 can use these two courses in lieu of the required PSYC 1105 course. Students may count at most two of PSYC 1103, PSYC 1104 and PSYC 1105 for credit towards a minor in Psychology.

Students should be aware registration in senior level PSYC courses may require successful completion of specific PSYC courses at the 1000, 2000, and/or 3000 level.

MINOR IN RELIGIOUS STUDIES

Religious Studies takes historical, contemporary and comparative approaches to describing, analyzing and interpreting the beliefs, practices, art, architecture, literature, organizational forms, and music of the world's religions (Christianity, Buddhism, Hinduism, Islam, Judaism, Sikhism and many others). Religions are treated as part of human culture and as relevant to our world today, in private and public life, informing attitudes, ethics, media, geo-politics, etc. No previous knowledge or experience of any religion is required.

A total of eight Religious Studies courses are required.

Required courses:

A maximum of three Religious Studies courses at the 1000 level

A minimum of two Religious Studies courses at the 3000 level or higher

ANTH 2233, HIST 3383, HUMN 2297, and SLGY 2277 count as Religious Studies courses for this minor.

MINOR IN SOCIAL INNOVATION

The minor in Social Innovation is designed to provide graduates with a clear practice to lead, design, and execute high impact, transformative change in our communities. Empathy, creativity, consent, and courage form the bedrock of the science of social change and can be applied whether graduates envision joining the commercial sector in a values-driven organization, plan to participate in the public or civic sector, develop a new to world social innovation or enterprise that addresses a persistent systemic problem, or engage at the forefront of reconciliation and resurgence in First Nations, Métis and Inuit communities across Canada.

The minor in Social Innovation consists of six courses, three of which are required courses and three of which are chosen from a list of options.

Required courses:

SINV 2201 – Introduction to Social Innovation

SINV 3203 – Facilitating Social Innovation

SINV 5405 – Social Innovation Strategy & Action **or** SINV 5010 – Social Enterprising

Plus any three of the following:

SINV 2205 – Social Innovation through Historical Case Study

SINV 3303 – Storytelling & Systems

SINV 3305 – Agents of Social Change

SINV 3730 – Special Topics in Social Innovation

SINV 4401 – Civic Innovation

SINV 4402 – Human Centred Design for Social Impact

MINOR IN SOCIAL STUDIES

Social Studies is a broad discipline including Geography, Political Science, Economics, History, Indigenous Studies and others. Through a selection of courses in these varied disciplines, students develop a strong sense of their role as citizens in a democratic society.

Required courses:

One course from Group 1, one from Group 2, one from Group 3 and one from Group 4.

Group 1: The Land

GEOG 1101 – The Physical Environment

GEOG 1102 – World Regional Geography

GEOG 1103 – The Human Environment

Group 2: Politics and Economics

ECON 1143 – The Economics of Contemporary Issues

PLSC 1101 – Introduction to Government and Politics

Group 3: History and Global Connections

HIST 1131 – Canada, Origins to 1867

HIST 1133 – Modern Canada, 1867 to Present

Group 4: Culture and Community

INST 1101 – Introduction to Indigenous Studies: The Canadian Context

Four additional courses are required from the following list at 2000 level or higher. At least one course must be at the 3000 level or higher. There may not be more than two from any discipline:

- Canadian Studies*
- Indigenous Studies*
- Economics*
- Political Science*
- Geography*
- Sociology*
- History*
- Women's & Gender Studies*

*Senior level courses may require completion of one or more prerequisites outside of the minor.

MINOR IN SOCIOLOGY

Sociology encourages students to engage their “sociological imaginations” through a critical examination of society. It is a wide-ranging discipline, from the macro study of large social systems and institutions to the micro scrutiny of social interaction. Through a sociological lens, students explore the ways in which societies are created, maintained, and transformed with a focus on issues of power, social inequality, and social resistance.

Required courses:

SLGY 1101 – Introduction to Sociology

Seven additional SLGY courses, including at least two at the 3000 or 4000 level

Note: Students should be aware registration in senior level SLGY courses may require successful completion of specific SLGY courses at the 1000, 2000, and/or 3000 level.

MINOR IN SPANISH

Spanish is spoken in 21 countries and estimates indicate the USA will be the country with most Spanish speakers in the world by 2050. There are rich cultures associated with the Spanish language and it has also become the second most used language on the internet, Twitter and the world of advertising. A minor in Spanish develops students’ communication skills and their understanding of Hispanic cultures. Students can take a variety of third year courses in areas such as Literature of Spain and Spanish America, Translation, Business Spanish, Spanish in Contact with Other Languages and Hispanic Cinema.

Required courses:

SPAN 1103 – Beginners’ Spanish II

SPAN 2211 – Intermediate Spanish I

SPAN 2213 – Intermediate Spanish II

SPAN 2223 – Introduction to Textual Analysis and Composition

SPAN 3305 – High Intermediate Spanish

SPAN 3309 – Critical Thinking in Spanish

Two additional SPAN courses at the 3000 level or above

Note: Students with prior knowledge of Spanish must take a placement test. For more information, students should contact the Spanish coordinator or academic advisor.

This minor is designed for students who have successfully completed Spanish 30. Students pursuing this minor without Spanish 30 may have to take SPAN 1101.

Students should be aware registration in senior level SPAN courses may require successful completion of specific SPAN courses at the 2000 and/or 3000 level.

MINOR IN SPEECH

A minor in Speech is an interdisciplinary program which focuses on the study of spoken communication and how we present ourselves in a variety of settings, from interpersonal communications, leadership and small group participation and interviews, to speaking to large audiences. The skills learned are transferable both personally and professionally. A Minor in Speech is advantageous and beneficial to any career path that requires communication, including but not limited to Education, Business, Languages and Communications. Material covered includes Speech Writing, Public Speaking, Interpersonal Communications, Linguistics, Delivery Techniques, Persuasion, Intercultural Communication and Professional Speaking.

Required courses:

LING 1111 – The Nature of Language I

SPCH 2001 – Introduction to Public Speaking

SPCH 2003 – Delivery Techniques for Presentation

SPCH 2007 – Professional Speaking

SPCH 3001 – Persuasive Speaking

SPCH 3009 – Great Speakers, Great Speeches

One of the following:

LING 1113 – The Nature of Language II

SPCH 2005 – Oral Tradition, Narration, and Story-telling

MINOR IN SUPPLY CHAIN MANAGEMENT

Supply Chain Management includes management of the flow and transportation of goods from raw materials through to the consumer. Areas of study include production planning, logistics management, purchasing, inventory management, material handling, transportation, enterprise resource planning, and global logistics. Course credits may be transferable to professional programs such as the Certified Professional Purchaser (CPP), Certified Professional Logistician (CPL) and the Canadian Institute of Traffic and Transportation (CITT). Students with an interest in supply chain can be prepared for careers in professional purchasing, international trade, and demand forecasting as well as management positions in transportation, inventory, and distribution.

Required courses:

LSCM 2201 – Introduction to Logistics & Supply Chain Management

LSCM 2301 – Introduction to Physical Distribution

LSCM 3303 – Fundamentals of Purchasing

Three of the following:

LSCM 3203 – Principles of Quality Management

LSCM 3305 – Physical Distribution & Logistics

LSCM 3402 – Inventory & Warehouse Management

LSCM 3407 – Business Negotiations/Project Management

MGMT 3265 – Management Information Systems*

*This course requires one or more prerequisites outside of the minor.

MINOR IN TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)

The Minor in Teaching English as a Second Language (TESL) is collaboratively offered through the Department of English, Languages, and Cultures and the Department of Education.

Students would consider this minor if:

- they want to understand how language development interacts with other types of cognitive development.
- they would like to know the differences in learning styles between children and adults.
- they are interested in cultural diversities in the classroom.
- they want to learn about issues concerning immigrant children in Canadian schools

Students completing a Minor in Teaching English as a Second Language (TESL) are not certified to teach in Alberta.

Students planning to complete a Minor in Teaching English as a Second Language (TESL) should check with an Advisor early in their studies so that they can ensure that they meet all requirements before graduation. Most courses at the 3000 and 4000 level have prerequisites, so students should consider those prerequisites when selecting their 1000 and 2000 level courses.

Required courses:

EDUC 2271 – Methods and Materials in Teaching English as a Second Language (TESL)

LING 1111 – The Nature of Language I

LING 2221 – Modern English Grammar

One of:

EDUC 3372 – Teaching English as a Second Language (TESL)

EDUC 4471 – ESL in the Mainstream: Language through Content Teaching English as a Second Language (TESL)

One of:

EDUC 2371 – Language Development and Literacy

LING 1113 – The Nature of Language II

Three additional courses from the following:

EDUC 2371 – Language Development and Literacy*

EDUC 3372 – Early Literacy: Teaching English as a Second Language (TESL)

EDUC 4471 – ESL in the Mainstream: Language through Content Teaching English as a Second Language (TESL)

ENGL 3304 – Advanced Writing: Theory, Pedagogy, Practice

LING 1113 – The Nature of Language II

LING 2207 – Second Language Acquisition

LING 2231 – First Language Acquisition

LING 3371 – Introduction to Psycholinguistics

A university credit course in an additional language

Note: EDUC 2371 and ENGL 3304 may require one or more prerequisites outside of the minor.

Students should be aware registration in senior level Language courses may require successful completion of specific courses at the 1000, 2000, and/or 3000 level.

Maximum three courses at 1000 level. Minimum two courses at the 3000 and/or 4000 level.

*This course can be used as an option if it was not taken as a required course (listed above) in this minor.

MINOR IN WOMEN'S & GENDER STUDIES

Women's & Gender Studies asks questions about power and privilege that focus not only on the experiences and perspectives of women, but also on the construction and mobilization of racialized, heteronormative gender formations. Not exclusively about or for women, Women's & Gender Studies courses are explicitly interdisciplinary, intersectional, and transnational, reflecting the rich interdisciplinary frameworks of feminist, gender and queer theories.

Required courses:

WGST 1172 – Introduction to Women's & Gender Studies

WGST 2205 – Global Gender Issues

Two additional WGST courses at the 2000 level or higher

One additional WGST course at the 3000 level or higher

Three additional courses from the following list:

ECON 2223 – Gender Economics*

ENGL 2216 – Women's Writing: Voices and Visionaries* ' '

ENGL 3382 – Textualities/Sexualities

HIST 2108 – Gender History in Canada

HIST 2207 – Histories of Sexualities

PHIL 2237 – Feminist Philosophy

PLSC 2227 – Women and Politics

RELS 2281 – Women in Religion

SLGY 2233 – Sociology of Gender*

Any other WGST course ' '

* This course requires one or more prerequisites outside of the minor.

ABORIGINAL EDUCATION PROGRAM

GENERAL INFORMATION

The Aboriginal Education Program at Mount Royal is a University College Entrance Program (UCEP) offering advanced upgrading for students of Aboriginal ancestry who wish to pursue a college or university education.

The program offers three levels of study, designed to ensure each student achieves the requirements for future educational goals, with concentration in English and math. The core subjects are supplemented with study skills, computer, language, and Native Studies courses. The program is supported by the Iniskim Centre programs including Aboriginal Housing Program, Elders/Medicine Trail (Naato'ohsokoy) Program and academic advising.

The inclusion of Aboriginal cultural content and support services is an integral part of the Aboriginal Education College Preparation Program.

Continuance in the Program

To be eligible for graduation, students must satisfactorily complete all degree program requirements and coursework. Students must achieve a minimum overall GPA of 2.00 to be eligible for graduation. If you are a continuing student you must meet complete a performance review once an academic year.

Financial Assistance

You are responsible for seeking out and maintaining funding. However, after your funding is secured the Aboriginal Education Program works closely with your funding agent. Other resource information regarding funding and scholarships is also available from the Student Awards and Financial Aid Centre on campus. The following is a list of possible funding sources for students:

- Individual First Nations communities
- Government agencies
- Various urban agencies

GENERAL ADMISSION REQUIREMENTS

Acceptance into the program is based on attendance at an information session, the completion of an AEP application and admittance is dependant on the number of seats available for new students. All students must:

- Be of Aboriginal ancestry
- Be a minimum age of twenty or possess the equivalent of an Alberta High School Diploma
- Have successfully completed grade 10 or better
- Submit an MRU application form indicating AEP with a letter of intent (an interview may also be required)
- Successfully complete a placement test
- Submit all transcripts from upgrading and/or secondary institutions

All criteria must be met for an application to be considered. Please note that enrolment in this program is limited and final admission is based on the criteria as well as available seats.

Academic Course Requirements

- Complete one semester of placement leveled English and math.
- Student must have met academic requirements to continue on in their program of choice.
- Students who are accepted into the Aboriginal Education Program are placed in one of the three levels according to the performance on the placement test, as well as the information contained on their transcripts. Specific attention will be placed on the subject areas related to English and math. Once a student has been placed into one of the three levels, the student will be registered in the courses specified by the program curriculum.

CURRICULUM

Level 1

1. ENGL 0115 – Writing and Communication Skills
2. MATH 0115A – Foundations of Mathematics I (equivalent to Math 10) **or** NTST 0130 – Introduction to Native Studies
3. SCIE 0110 – Introduction to Science,
SPCH 2001 – Introduction to Public Speaking,
SPCH 2005 – Oral Tradition, Narration, and Story-Telling, **or**
UGST 1001 – Effective Learning in the Undergraduate Context

Level 2

1. ENGL 0130 – Literature and Composition
2. MATH 0115B – Foundations of Mathematics I (equivalent to Math 20) ,
NTST 0130 – Introduction to Native Studies, **or**
SOSC 0130 – Ideology and the Canadian Historical Perspective
3. BIOL 0115 – Introduction to Biology,
CHEM 0115 – Basic Chemistry I,
SPCH 2001 – Introduction to Public Speaking,
SPCH 2005 – Oral Tradition, Narration, and Story-Telling, **or**
UGST 1001 – Effective Learning in the Undergraduate Context

Level 3

1. ENGL 1151 – The Art of Story: An Introduction to Literature **or**
GNED 1401 – Writing for Academic Success
2. MATH 0130 – Pre-Calculus **or**
MATH 0132 – Foundations of Mathematics II
3. INST 1101 – Introduction to Indigenous Studies: the Canadian Context,
INST 1111 – Introduction to Indigenous Studies: International Perspectives,
INST 2730 – Topics in Indigenous Studies,
PSYC 1105 – Introduction to Psychology, **or** any three-credit course
4. BIOL 0130 – Fundamentals of Biology,
CHEM 0130 – Basic Chemistry II, **or**
SCIE 0130 – Science of the Environment

UNIVERSITY ENTRANCE OPTION

GENERAL INFORMATION

The University Entrance option is designed for students who have applied to, or intend to apply to, one of Mount Royal's baccalaureate degree programs but may lack specific admission requirements or do not meet the competitive admission average for the program. Students in the University Entrance option will register primarily in post-secondary courses but are permitted to enroll in high-school equivalency courses in order to meet admission requirements of their intended degree program. Admission to the University Entrance option does not guarantee subsequent admission to a Mount Royal degree program.

The University Entrance option provides learning opportunities for students who wish to:

- participate in post-secondary education, and plan to pursue a university degree but may lack the specific admission requirements
- enhance their admissibility for a Mount Royal degree program through completion of post-secondary coursework and/or high-school equivalency courses
- take courses that are required for the completion of a Mount Royal degree while improving their admissibility for degree-level study

Students can complete a maximum of 30 credits (normally ten courses) as a University Entrance student. (This 30 credit limit includes any courses which the student may take as an Open Studies student.) Any awarded grade (including 'F') will count towards the limitation but withdrawals do not. Students are strongly encouraged to consult with an academic advisor before they reach this credit limit to ensure they are taking the appropriate courses. Students who reach this limit and who have not been admitted into a Mount Royal program will not be permitted to register in additional courses and may not apply to Open Studies. There is no appeal process to extend this limit.

University Entrance students who wish to upgrade their high school courses may enroll in various credit-free high school equivalency courses offered at Mount Royal. While these courses are not eligible for Alberta Education graduation credits or high school transcript purposes, they are accepted as alternative entrance requirements for undergraduate programs offered by Mount Royal and other Alberta universities.

GENERAL ADMISSION REQUIREMENTS

All students must meet the general admission requirements for Mount Royal University programs, as indicated in the *Admission* section of this Calendar except where the information contained in this section differs.

ADDITIONAL ADMISSION REQUIREMENTS

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

Academic Course Requirements

Admission to the University Entrance option is competitive. The grade 12 subjects which may be presented for evaluation for admissibility include the following courses from Group A, B, and C. To allow applicants who are missing a specific course requirement or require a higher grade in a specific course an opportunity to upgrade their course(s), specific subjects such as English, mathematics, etc. are not required for admission.

High School Standing

- Group A course
- Group A course
- Group A course
- Group A or B course
- Group A, B, or C course

Mature Standing

- Group A course
- Group A course

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

Post-secondary Standing

Applicants who have completed four (or more) post-secondary courses by December 31 for the Fall Semester or August 31 for the Winter Semester are not eligible for the University Entrance option. Therefore, there is no post-secondary admission route available. All applicants will be considered on the basis of high school or mature standing above.

CURRICULUM

The four required courses consist of the following:

General Education Requirement Cluster 1, Foundation
General Education Requirement Cluster 2, Foundation
General Education Requirement Cluster 3, Foundation
General Education Requirement Cluster 4, Foundation

The following course is strongly recommended:

UGST 1001 – Effective Learning in the Undergraduate Context

The remaining five courses are of the student's choosing. Please consult the appropriate section of this calendar for course requirements of various Mount Royal degree programs, and/or Academic Advising Services: mtroyal.ca/headvised.

Admission to a Mount Royal degree program following study in the University Entrance Option (Fall 2018)

Admission to the University Entrance option does not guarantee subsequent admission to a Mount Royal degree program. However, University Entrance students who meet the competitive admission average/GPA of the previous year for their intended program, and who meet all other general and program-specific requirements of the program, will be offered admission to the program. Such students must apply for admission to their intended program during the early admission period.

Admission to a degree/diploma program following study in the University Entrance Option (Fall 2019)

Admission to the University Entrance Option does not guarantee subsequent admission to a Mount Royal degree/diploma program. To be offered admission to the program, University Entrance Option student must:

1. Apply during Early Admission
2. Meet specified course and grade requirements
3. Meet additional admission criteria (where required)
4. Meet the competitive admission average

The competitive admission average will be based on the four most recently completed post-secondary courses (minimum 12 credit hours) by **December 31**. Applicants will be required to meet the competitive admission Grade Point Average (GPA) of the previous year or reduced GPA for specific programs as determined on an annual basis, not to exceed .3 reduction in GPA from the previous year.

OR

The competitive admission average will be based on the four most recently completed post-secondary courses (minimum 12 credit hours) by **April 30**. Applicants will be required to meet the competitive admission GPA of the previous year for the specific program.

5. Meet the final admission criteria

Final admission will be based on verification of admissibility once all final, official transcripts, including all previous high school and post-secondary coursework, have been received and reviewed and all conditions of the applicant's admission have been met. Unless a specific (higher) admission average is required, applicants are required to have a 2.00 GPA on their four (4) most recently completed post-secondary courses (minimum 12 credit hours) by June 30 for the Fall Semester. Official transcripts must include final grades for all subjects required by the program of study and be received by August 1 for admission to the Fall Semester.

MOUNT ROYAL UNIVERSITY COURSES

How to Interpret a Course

ECON 2211 – Intermediate Economic Theory – Microeconomics I

(3 credits) 3 hours lecture

This course examines economic decision making of consumers and businesses. Topics covered include people's consumption choices of and demand for goods and services, the external environment and market structure under which consumers and businesses interact with each other, and the strategic decisions of businesses such as production and pricing strategies.

Prerequisite: Economics 1101 or consent of the department.

Credit Value

Credit weight reflects student workload rather than classroom contact hours. Normally, students are expected to devote 9 – 12 hours of academic time and effort per week for a three credit course. Academic time and effort includes class time (e.g., lectures, labs, studios, tutorials, etc.) as well as any experiential or blended components. In addition, all independent study (e.g., assignments, readings, preparation, study, etc.) is included. Courses are normally valued as three credits or multiples of three credits. A specific number of credits is required to complete each diploma or certificate program the University offers.

Subject Abbreviation

The full name for a subject abbreviation is shown at the beginning of the particular subject group.

Course Description

This is a brief description of the topics to be covered in the course. A more detailed description, called a Course Outline or Syllabus, is available through the department offering the course.

Course Numbers (pre-Fall 2008)

0100-0999 Credit-Free Preparatory Courses do not carry any credit value and cannot be counted towards a degree, diploma, certificate or Grade Point Average. Special credit-free fees may apply.

1100-1199 Introductory college courses

1200-1299 Advanced college courses requiring previous college-level work.

1300-1399 Senior college courses requiring advanced college-level work.

2000-2999 Junior-level undergraduate courses offered at Mount Royal University.

3000-4999 Senior-level undergraduate courses offered at Mount Royal University.

GNED 1101 – Scientific and Mathematical Literacy for the Modern World

(3 credits) 3 hours lecture

Students will expand their understanding of the intersections of mathematics, science and technology with daily life. The course will develop and apply critical thinking and scientific reasoning skills through the examination of issues drawn from the real world and current events.



Course Numbers (Fall 2008 onward)

Academic Upgrading	0110, 0115, 0120, 0130, 0131, 0132
Pre-degree courses	0200 – 0299
Level 1 (junior)	1000 – 1999
Level 2 (senior)	2000 – 2999
Level 3 (senior)	3000 – 3999
Level 4 (senior)	4000 – 4999
Honours, capstone or post-basic courses (senior)	5000 – 5999

General Education (GNED)

Courses identified with the 'G' icon satisfy requirements for the General Education program. 'C' refer to Cluster; Tier information is below (e.g. Foundation). See program/academic advisor for details.

Hours and Type of Instruction

Unless otherwise stated, the number of hours indicates hours of instruction each week. Courses normally run 13 weeks (excluding the examination time) each Fall and Winter Semester and 6.5 or 13 weeks during Spring Semester including examinations. Therefore, the sample course (GNED 1101) involves a total of 39 hours of instruction. Instruction at Mount Royal University is made up of lectures, tutorials, laboratory sessions, seminars and guided independent study. Any course may use one or all of these different methods of instruction.

Prerequisites, Corequisites, and Recommended Preparation

Prerequisites must be completed before registering in the class. Corequisites must be taken at the same time as other particular courses. Recommended preparation should be completed before taking certain courses. Other special notes about extra fees, special restrictions, etc., are usually noted after the course description.

Blended Delivery

Courses in which a portion of scheduled class/lab time is replaced by technology-mediated teaching-learning activities using the Internet or CD-ROM.

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ADVANCED STUDIES IN CRITICAL CARE NURSING (ACCN)

Theory courses in the Advanced Studies in Critical Care Nursing Post-Basic Certificate program are offered online. Clinical practice courses are organized in intensive care or emergency units.

ACCN 5501 – Critical Care Nursing: Physiology

(3 credits) Online

In-depth study of principles of physiology pertinent to critical care nursing, such as cell membrane physiology, work of breathing and determinants of cardiac output. This course focuses on cellular physiology followed by physiology of five systems: pulmonary, neurologic, cardiovascular, renal and defence.

ACCN 5505 – Critical Care Nursing: Pathophysiology

(3 credits) Online

Principles of physiology, first addressed in Advanced Studies in Critical Care Nursing 5501 are applied to critical illness. Emphasis is placed on breathing, circulation, neurologic renal and body defence of the critically ill to illustrate organ dysfunction and illness experiences. Therapeutics for each of the five systems are discussed including mechanical ventilation and pharmacotherapy.

Pre or Corequisite: Advanced Studies in Critical Care Nursing 5501 and 5531 or approval of department chair.

ACCN 5507 – Pharmacology for the Acutely Ill

(3 credits) Online

Principles and physiological mechanisms related to pharmacology are addressed. Emphasis is placed on a thorough understanding of major drug categories and current medications frequently used for the acutely ill patient. Pharmacological considerations are addressed in relation to management and prevention of complications.

Pre or Corequisite: Advanced Studies in Critical Care Nursing 5505 or approval of department chair.

ACCN 5531 – Critical Care Nursing and Emergency Nursing: Assessment

(3 credits) Online

Examines various aspects of assessment within a physiologic systems framework, particular to acute/critically ill patients. Emphasizes analysis and integration of physical, laboratory and computer derived findings.

Note: Transfer credit for this course may be given to students who have national certification in either Critical Care or Emergency Nursing.

ACCN 5551 – Emergency Nursing – Pathophysiology

(3 credits) Online

Provides a thorough review of physiological and pathophysiological mechanisms and their relationships to human body systems across the age span. Facilitates study of mechanisms underlying selected clinical conditions that are common and/or emergent in the emergency setting. Uses pathophysiology as a basis for understanding clinical conditions in order to guide relevant history taking, assessment and management of patients with these conditions.

ACCN 5553 – Emergency Nursing: Care of the Acutely Ill and Injured – Part A

(3 credits) Online

This is the first of a two-part course, which describes the nursing care of the acutely ill and injured patients in the emergency department. There is an emphasis on pathophysiology as a basis for assessing, triaging, planning, implementing and evaluating care (the nursing process). The course begins with a discussion of factors common to all patients and/or emergency departments. The remaining units focus on acute illnesses and injuries for selected body systems for adults. Special considerations for elderly and children are also presented. Illness and injuries are grouped according to the patient's presenting complaint or predominant physiologic abnormality.

Pre or Corequisites: Advanced Studies in Critical Care Nursing 5531 and 5551 or approval of department chair.

ACCN 5555 – Emergency Nursing: Care of the Acutely Ill and Injured – Part B

(3 credits) Online

This is the second of a two-part course series on emergency nursing. As with part A, the nursing process and pathophysiology are the basis for the management of adults and children with illnesses and injuries affecting the body systems not previously discussed. Additional topics include management of other emergencies along with evidence based practice and multisystem/multitrauma disorders.

Pre or Corequisites: Advanced Studies in Critical Care Nursing 5553 or approval of department chair.

ACCN 5581 – Critical Care Nursing: Clinical

(6 credits) 210 hours practicum

The clinical practicum provides the student with opportunities to integrate and apply critical care skills and theory in clinical practice. Students gain hands-on experience with a variety of assessment and clinical interventions. Nurses with critical care experience may apply for prior learning credit.

Prerequisites: Advanced Studies in Critical Care Nursing 5501, 5505 and 5531 and approval of the department chair.

Pre or Corequisite: Advanced Studies in Critical Care Nursing 5507.

ACCN 5591 – Emergency Nursing: Clinical

(6 credits) 210 hours practicum

This clinical practicum provides the student with opportunities to integrate and apply emergency nursing theory and skills in the clinical setting. Students gain hands-on experience with a variety of assessment and clinical interventions. Nurses with emergency experience may apply for prior learning credit.

Prerequisite: Advanced Studies in Critical Care Nursing 5531, 5551, 5553, 5555 and approval of the department chair.

ACCOUNTING (ACCT)

ACCT 2121 – Financial Accounting Concepts

(3 credits) 3 hours lecture, 1 hour tutorial

This course provides an introduction to accounting principles and the accounting cycle. Topics include fundamental concepts such as accounting principles, assumptions, constraints, and the preparation and reporting of financial information to investors, managers, and others. Emphasis is on financial statement preparation and analysis.

Note: Only one of ACCT 2120 and ACCT 2121 may be used for graduation purposes from the BBA

ACCT 3220 – Financial Accounting Practices

(3 credits) 3 hours lecture, 1 hour tutorial

This course builds on the concepts and skills learned in introductory accounting and prepares the student for the more conceptual approach required for Intermediate Accounting. Students learn to apply the accounting framework, and further develop skills for recording transactions and events, and analyzing financial statements. Topics include revenue recognition, long-term liabilities, partnership accounting, shareholders' equity, investments, and the cash flow statement.

Prerequisite: Accounting 2121.

ACCT 3221 – Intermediate Accounting I

(3 credits) 3 hours lecture, 1 hour tutorial

This course examines issues and problems related to GAAP for income determination and revenue recognition. International Financial Reporting Standards (IFRS) and Accounting standards for Private Enterprises (ASPE) relating to recognition, measurement, and financial statement presentation of assets are addressed.

Prerequisite: Accounting 3220.

ACCT 3224 – Management Accounting I

(3 credits) 3 hours lecture, 1 hour tutorial

This course provides an introduction to the nature, scope and use of managerial accounting. Topics include: management planning and control, inventory and cost flows, standard costs and variance analysis, budgeting, cost-volume profit analysis, relevant costs and decision making.

Prerequisite: Accounting 2121.

ACCT 3227 – Oil and Gas Accounting**(3 credits) 3 hours lecture**

Students are provided with an introduction to the accounting principles and practices associated with oil and gas exploration and production. The impact of income and other taxes on the industry is also considered.

Prerequisite: Accounting 3224.

Recommended Preparation: Geology 1151.

ACCT 3228 – Management Accounting II**(3 credits) 3 hours lecture**

This course examines various costing methods and analytical tools used by management accountants to provide information and recommendations relevant to short-term and long-term decision making. Topics covered include capital budgeting, cost and revenue allocation, profitability variances, process costing, and inventory management.

Prerequisite: Accounting 3224.

ACCT 4222 – Intermediate Accounting II**(3 credits) 3 hours lecture, 1 hour tutorial**

This course provides an in-depth analysis of accounting theory and principles related to the reporting of short-term and long-term liabilities, leases, pensions, corporate income taxes, shareholders' equity, complex financial instruments, earnings per share, the cash flow statement, and accounting changes and error analysis. International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) relating to recognition, measurement, and financial statement presentation of liabilities and equity are addressed.

Prerequisite: Accounting 3221.

ACCT 4225 – Principles of Auditing**(3 credits) 3 hours lecture**

This course examines the role of the internal or external auditor in business and explores the legal and ethical environment of auditing. Emphasis is placed on methods and procedures used in auditing and reporting as they relate to specific financial statement areas such as assets, liabilities, equities, revenues, and expenses. Other topics covered include internal control, risk and materiality, and the auditor's responsibility with respect to fraud.

Prerequisite: Accounting 4222.

ACCT 4280 – Introduction to Personal and Corporate Income Tax**(3 credits) 3 hours lecture, 1 hour tutorial**

This course covers Canadian income tax laws affecting individuals and corporations. Topics include the computation of individual and corporate income tax, taxable income, taxes payable, corporate distributions, taxation of capital gains, and the preparation of corporate and personal tax returns.

Prerequisite: Accounting 3220.

ACCT 4381 – Advanced Financial Accounting**(3 credits) 3 hours lecture, 1 hour tutorial**

This is a senior level course in financial accounting, which covers the following areas: intercompany investments, joint ventures, accounting for not-for-profit organizations, and translation of foreign currency transactions and financial statements.

Prerequisite: Accounting 4222.

ACCT 4382 – Advanced Managerial Accounting**(3 credits) 3 hours lecture, 1 hour tutorial**

This course examines advanced management accounting practices designed to help managers formulate and implement new strategies, motivate and evaluate organizational performance, and achieve operational excellence. This course emphasizes current management accounting practices within a variety of business environments using a case approach. These practices include the theory of constraints, activity-based management, cost-based decision making, and the balanced scorecard.

Prerequisite: Accounting 3228.

ACCT 4403 – Accounting Theory**(3 credits) 3 hours lecture**

This course provides an overview of contemporary accounting theory and research, and explores how these theories and research are applied in the development and practice of the accounting profession. Emerging, thought-provoking issues in the field of accounting are discussed.

Prerequisites: Accounting 3221 and 3224.

ACCT 5370 – Advanced Topics in Accounting**(3 Credits) 3 hours lecture**

This capstone course in Accounting integrates concepts learned in earlier core accounting courses with accounting theory, corporate governance, strategy, sustainability, corporate social responsibility and business ethics. A case-analysis approach is used to identify issues relating to financial and managerial accounting, audit and taxation, evaluate alternatives and exercise professional judgment in making recommendations. Students will apply advanced financial statement analysis to the corporate annual report and critically examine the application of the accounting rules and policies by the company.

Prerequisites: Accounting 4222, 4225 and 4280.

ACCT 3199, 4199 – Directed Readings

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

AIR FLIGHT TRAINING (AIRF)**AIRF 1101 – Introduction to Aviation Navigation****(3 credits) 3 hours lecture**

This course introduces students to aviation navigation in preparation for their Commercial Pilot's License. It is designed in part to provide students with the knowledge to not only achieve the Transport Canada requirements respecting navigation and aviation operations but to develop a broader understanding of air navigation.

AIRF 1109 – Introduction to Aviation Meteorology (Introductory)**(3 credits) 3 hours lecture**

This course meets the meteorology requirements for the Department of Transport Commercial Pilot's Licence, basic meteorology as it applies to aviation and the ability to interpret weather information for pilots as supplied by Atmospheric Environment Services.

Prerequisite: Acceptance into the Aviation program or Instructor's permission.

AIRF 1130 – Aircraft Engines**(3 credits) 3 hours lecture**

This course is designed to give students a theoretical, practical and working knowledge of an aircraft piston engine and its ancillary controls. Students will also be introduced to the turbo prop and turbo jet engine.

AIRF 2101 – Aviation History and Air Law**(3 credits) 3 hours lecture**

This course is a wide-ranging examination of the Aviation regulations, including the structure of the regulatory system, the organization of the Canadian Aviation Regulations and the rules of the air. Students will also explore the historical context of the regulatory and legal environment. In addition, the course explores the implications of the legal issues that confront pilots and the airline industry.

AIRF 2111 – Aeronautics, Industry and Flight Operations**(3 credits) 3 hours lecture**

This course is aimed at developing students' understanding of the aviation industry, flight operations and aeronautics. Topics include physics of flight, aircraft identification, professional conduct, pilot decision making, and the present state of the industry.

Prerequisite: Air Flight Training 1101.

AIRF 2209 – Advanced Aviation Meteorology

(3 credits) 3 hours lecture

This course prepares students for the meteorological portion of the Instrument Flying Test. It deals with practical flight planning problems, both low level and high level. Upon successful completion of the course students should have a good grounding in practical meteorological problems confronting an aircraft captain.

Prerequisite: Air Flight Training 1109.

AIRF 3202 – Multi-Engine Instrument Rating and GPS

(3 credits) 3 hours lecture

This course is designed to introduce students to the theory and practice of advanced instrument flying and GPS systems. They will be exposed to IFR navigation and the air law respecting instrument flying. The material in Transport Canada's Study and Reference Guide for Instrument Rating will also be covered through lectures.

Prerequisite: Air Flight Training 2111.

AIRF 3206 – Advanced Operations, GPS and Crew Coordination

(3 credits) 3 hours lecture

This course is designed to give students advanced knowledge of aircraft operations, performance, and navigation. Students will also be taught the theory and practice of multi-crew operations and Standard Operating Procedures.

Prerequisite: Air Flight Training 3202.

AIRF 3210 – Aviation Technology and Aircraft Systems

(3 credits) 3 hours lecture

This course is designed to give students a theoretical and working knowledge of aircraft systems and the technology used in aviation systems.

Prerequisite: Air Flight Training 1130.

AIRF 3242 – Human Factors and Aviation Safety

(3 credits) 3 hours lecture

This course examines current issues related to aviation safety. Of primary interest are human factors as they apply to pilots, air traffic control, managers, and other related parties. The impact of human factors on aviation safety will be investigated. Aviation psychology and physiology will be discussed, and strategies for successful pilot decision-making will be developed. Case studies will involve both Air Transport Category and General Aviation aircraft situations. The transportation of dangerous goods and accident investigation will be introduced.

AIRF 2299, 3399 – Directed Readings

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

ANTHROPOLOGY (ANTH)**ANTH 1101 – Introduction to Primatology and Human Evolution**

(3 credits) 3 hours lecture

This course will consider human evolution, the role of biosocial phenomena in the evolution of physical structure and social behaviour, and the origins and development of culture.

**ANTH 1102 – Introduction to Biological Anthropology**

(3 credits) 3 hours lecture, 3 hours lab

This course is a survey of major topic areas in Biological Anthropology including human evolution, Mendelian and population genetics, osteology, and human variation. In the laboratory portion of this course, students will engage in applied exercises for each of the given areas.

**ANTH 1103 – Introduction to Cultural Anthropology**

(3 credits) 3 hours lecture

This course is a cross-cultural exploration of the nature of human culture and society: its elements, variability and perpetuation. Topics will include symbolism and meaning, subsistence strategies, sex and gender, kinship, social organization, and political, economic, and religious institutions.

**ANTH 1104 – Introduction to Archaeology**

(3 credits) 3 hours lecture, 3 hours lab

This course introduces the basic principles used in archaeological exploration throughout the world. In lecture and lab settings, students will study and use the processes with which archaeologists work in the field, including mapping and site location methods, excavation practices and artifact processing, artifact and site interpretation, and principles of cultural heritage management.

**ANTH 1105 – Ancient Peoples and Places**

(3 credits) 3 hours lecture

This course provides a broad survey of Old and New World archaeology from the emergence of humans and the development of culture from hunting/gathering to agriculture and ancient complex societies.

**ANTH 1106 – Introduction to Linguistic Anthropology**

(3 credits) 3 hours lecture

This course explores the anthropological study of language, culture, and communication. Topics will include the origin, evolution and socio-historical development of languages, the structure of language, comparative analysis and classification of languages, the impact of language and culture on one another, how language is used in particular socio-cultural contexts, and a brief survey of field methods, analytical methods, and theory.

**ANTH 2111 – Biological Anthropology of South Asia**

(3 credits) 3 hours lecture

This course offers an overview of prehistoric human dispersals, trends in human evolution, and biological variation among South Asian populations. Emphasis will be placed upon the fossil record, archaeological evidence, and recent morphological, genetic and linguistic diversity of South Asians.

Prerequisite: Anthropology 1101 or 1102 or consent of the department.

**ANTH 2121 – Field Studies in Anthropology**

(3 credits) 3 week field school

This course provides an opportunity to examine selected topics in anthropology through field studies, where students will engage in the application of anthropological concepts, methods and techniques. As a variable content course, the specific topic and location will be announced each time this course is offered.

Prerequisite: Consent of the department.



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

ANTH 2204 – Archaeology of North America

(3 credits) 3 hours lecture

This course is a general survey of the prehistory of the North American continent north of Mexico, beginning with the earliest evidence for human occupation in the western hemisphere and ending with the period of European contact. Selected geographical and cultural areas include the Arctic, the Northwest Coast, California, the Southwest, the Eastern Woodlands, and the Prairie-Plains.



ANTH 2206 – Cross-Cultural Communication and Business

(3 credits) 3 hours lecture

This course explores ways in which differences in cultural patterns of communication affect interaction between business parties, particularly those of differing cultural/national/ethnic backgrounds.

ANTH 2213 – Contemporary Aboriginal Issues in Canada

(3 credits) 3 hours lecture

This course considers the history of Aboriginal-state relations, the development of “Indian policy” in Canada and socio-cultural and legal aspects of current issues (such as land claims treaties, status of women, human rights, and expression of aboriginal identity and stereotyping of Aboriginal people) that various Aboriginal groups define as central to their existence and cultural survival.

ANTH 2214 – Ethnography of the Northwest Coast

(3 credits) 3 hours lecture

This course is a survey of the aboriginal cultures of the Northwest Coast. Initial topics include prehistory, language, subsistence and settlement patterns, material culture, social organization, religion, ceremonial life and traditional art and mythology. Subsequent discussion will focus on European contact and colonization, social change, and major contemporary issues such as aboriginal rights, land claims and the environment.

Recommended Preparation: At least one 1000-level course in Anthropology, Archaeology, Psychology or Sociology.

ANTH 2215 – Archaeology of the Levant

(3 credits) 3 hours lecture

This course examines four successive phases of civilization and its development within Syria, Lebanon, Cyprus, Israel and Jordan, from the third millennium BC through the decline of Roman domination during the third century AD. The emphasis is on understanding the characteristics of those civilizations, and how each civilization responded to external cultural influences from its rise to its demise.

Recommended Preparation: Anthropology 1104 or 1105 or 2225.

ANTH 2218 – Culture and Society in Contemporary India

(3 credits) 3 hours lecture

This course is a selective survey of contemporary India with an emphasis on the ways that colonialism, globalization and the media have intersected with and shaped contemporary Indian life and the identities of the Indian populace. Topics include religion, family, gender, the partition of India, nationalism, and the Indian diaspora.

Prerequisite: Anthropology 1103 or consent of the department.

**ANTH 2221 – Hot Topics in Human Evolution**

(3 credits) 3 hours lecture

This course is designed to help students think critically about contemporary controversial topics dealing with biological and cultural origins of our early human ancestors of Africa, Eurasia, and Australia between 5 million and 40,000 years ago. Topics may include molecular advances, new hominin fossil discoveries, bipedalism, sexual dimorphism, behavioural reconstructions, and archaeological site interpretation.

Prerequisite: Anthropology 1101 or 1102 or consent of the department.

**ANTH 2225 – Ancient Civilizations**

(3 credits) 3 hours lecture

This course critically examines the theories and facts behind what is meant by “civilization”, the origins of agriculture and its impact on social complexity. The focus is on several of the earliest civilizations in both the Old and New World, including the Sumerians of Mesopotamia, the Harappans of the Indus Valley, Old Kingdom Egypt, China, the Andes, and the Maya of Mesoamerica.

Prerequisite: Any one of Anthropology 1101, 1102, 1103, 1104, 1105, or consent of the department.

ANTH 2229 – Anthropology of “Race”

(3 credits) 3 hours lecture

This discussion-based course takes a critical examination of historical and modern anthropological perspectives on the biological term “race”. Historically, race in a Biological Anthropology context examines the classification of modern human physical variation. Today this context has expanded including the impact of genetic variation, biological determinism of race and racial definitions of ancient human ancestors.

**ANTH 2231 – The Anthropology of Gender**

(3 credits) 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 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.

Prerequisites: Anthropology 1103 or 1106 or consent of the department.

ANTH 2243 – Anthropology Through Film

(3 credits) 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 2251 – Gifts and Commodities**

(3 credits) 3 hours lecture

This course will examine the political and culturally embedded nature of economies by undertaking a comparative analysis of production, distribution and consumption in small-scale and complex societies. There will be a focus on the effects of global capitalism upon local economic systems.

Prerequisite: Anthropology 1103 or consent of the department.

ANTH 2255 – An Ethnographic Survey of Native North America

(3 credits) 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.

Recommended Preparation: Anthropology 1103.

ANTH 2258 – Anthropology in the Public Eye

(3 credits) 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**

(3 credits) 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 2290 – Field Course in Archaeological Techniques I

(3 credits) 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 archaeological site, usually during the summer.

Prerequisites: Anthropology 1104 and consent of the department.

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 field school experience.

ANTH 2291 – Field Course in Archaeological Techniques II

(6 credits) 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 archaeological site, usually during the summer.

Prerequisite: Anthropology 1104 and consent of the department.

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 field school experience.

ANTH 3201 – Lithic Analysis

(3 credits) 3 hours lecture, 3 hours lab

In this intensive course, students will develop an applied knowledge of analytical approaches in the interpretation of lithic (stone) materials found at archaeological sites. The focus is on the descriptive analysis of lithic forms including: typology versus technology, raw material identification, quantitative measurements, and various functional interpretations as applied to reconstructing ancient human life-ways.

Prerequisites: Anthropology 1104 or consent of the department.

Recommended: Anthropology 3307.

ANTH 3205 – Anthropological Imaginings of Latin America

(3 credits) 3 hours lecture

This course is a selective survey of the ethnographic imaginings and representations of Latin America that have shaped anthropological knowledge, theory and methods. Topics may include post-colonialism, ethnography of violence, gendered identities and sexualities, religious expression, popular culture, and globalization.

Prerequisite: Anthropology 1103 or consent of the department.

ANTH 3233 – The Anthropology of Religion

(formerly ANTH 2233)

(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 3302 – Ethnographic Methods

(3 credits) 3 hours lecture

This class will explore the ways in which ethnographic research is designed, carried out, and analyzed. A variety of ethnographic methods will be discussed, with an emphasis on conducting participant-observation and on in-depth interviewing. Under the guidance of the instructor, students will design, conduct, and report on an ethnographic project of their own choosing.

Prerequisite: Anthropology 2241 or consent of the department.

ANTH 3304 – Anthropological Perspectives on Globalization

(3 credits) 3 hours lecture

Anthropologists study globalization to learn how the complex flows of people, goods, capital, and ideas that traverse the globe are understood, experienced, and negotiated by peoples in specific contexts. This class will explore the ways that living in a globalized world affects the lives, sensibilities, and identities of the inhabitants of the so-called "global village".

Prerequisite: Anthropology 1103 or General Education 1301 or consent of the department.

**ANTH 3305 – History of Anthropology**

(3 credits) 3 hours lecture

This course follows the historical development of Anthropology from early predecessors to its inception as an academic discipline in the nineteenth century and finally to present-day configurations. Emphasis will be placed on the creation of American and Canadian anthropology, the development of specialized approaches within the four fields of anthropology, and the impacts of feminism and postmodernism.

Prerequisites: One of Anthropology 1103 or 1106 and one of Anthropology 1102 or 1104, or consent of the department.

ANTH 3307 – Statistics for Anthropology

(3 credits) 1 hour lecture, 2 hours tutorial

This course offers an introduction to descriptive and inferential statistical techniques as applied to anthropological research. Through instruction and laboratory practice, students will develop a working knowledge of how statistical concepts can be used to correctly analyze, interpret, and evaluate research findings.

Prerequisites: Anthropology 1102 or 1104 and Anthropology 1103 or 1106 and one of the second year core courses Anthropology 2225, 2229, or 2241 or consent of the department.

Recommended: Mathematics 30-1 or Mathematics 30-2.

ANTH 3309 – Ceramic Analysis

(3 credits) 3 hours lecture, 3 hours lab

In this intensive survey course, students will develop a working knowledge of and approach to all aspects of current archaeological and contemporary ceramics research through lectures and hands-on labs. The course content is structured to lead directly into research design development for a study of ceramics within the student's area, culture(s) and time period(s) of interest, from prehistoric to contemporary cultures worldwide, including ethnoarchaeology.

Prerequisite: Anthropology 1104, or consent of the department.

Recommended: Anthropology 3307.

ANTH 3311 – Practical Problems in Archaeological Interpretation

(3 credits) 3 hours lecture

In this course students analyze and interpret data sets from archaeological sites worldwide, focusing on the interrelationships between theory, method, and interpretation. The student will develop a solid working knowledge of approaches on those data sets and their interpretation through a series of readings and exercises focused on data interpretation.

Prerequisites: Anthropology 1104 and two Anthropology courses at the 2000 level, or consent of the department.

ANTH 3317 – Anthropological Perspectives on Africa

(3 credits) 3 hours lecture

This seminar-based course examines the story of the Atlantic slave trade and colonialism in Africa from an ethnohistorical perspective, archaeological evidence and societal attitudes of "The Other." Representations of Africans and their material culture are viewed through examples such as the Venus Hottentot, the Great Zimbabwe, plantation archaeology, and the Negro Burial Ground.

Prerequisites: Any of Anthropology 1103, 1105, 2229, or consent of the department.

ANTH 3319 – Ethnography of the Great Plains

(3 credits) 3 hours lecture

This course is a comparative study of peoples of the Great Plains past and present. Focus is upon the material culture, settlement and subsistence patterns, language, social and political structures, gender roles, religion, world view, ritual and art of the indigenous peoples of the region. Anthropological and ethnohistorical sources will form the primary data, with a comparison to aboriginal sources.

Prerequisite: One of Anthropology 1103, 1104, 1105, or Indigenous Studies 1101 or consent of the department.



ANTH 3321 – Human Osteology

(3 credits) 3 hours lecture, 3 hours lab

In this intensive lab-based course, students will identify and interpret human skeletal and dental remains using techniques in Biological Anthropology. Assessment of qualitative features, quantitative measurement analyses, and forensic approaches are central components of this field of study. Areas of focus will be functional anatomy, palaeopathology and applied osteology.

Prerequisites: Anthropology 1102 or consent of the department.

Recommended: Anthropology 3307.

ANTH 3322 – Human Adaptation

(3 credits) 3 hours lecture

This course examines the processes involved in interpreting modern human diversity. Emphasis is placed on biological adaptive responses to particular environments and the cultural influences affecting human diversity. Topics include heat and cold stress, high and low altitude adaptations, skin colour, and physical structure of the human body.

Prerequisites: Anthropology 1103 and any one of 1101, 1102, or consent of the department.

Recommended Preparation: Anthropology 2229.

ANTH 3341 – Medical Anthropology

(3 credits) 3 hours lecture

Medical Anthropology explores beliefs, practices and experiences of health, illness and healing in cross-cultural perspective. Topics will include the role of healers, their patients, and the relationship between the two, the cultural aspects of biomedicine, the ways in which the members of different cultures experience, understand and treat illness, and the transformation of traditional medical systems in the face of globalization.

Prerequisite: Anthropology 1103 or consent of the department.



ANTH 3342 – Perspectives on Discourse Tactics

(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.

Prerequisites: Anthropology 1103 or 1106 or consent of the department.

Recommended Preparation: Anthropology 2206.

ANTH 3379 – Urban Anthropology

(3 credits) 3 hours lecture

This course is a study of tribalism, ethnicity, sub-cultures, social networks and related phenomena in urban societies. Attention will be paid to planning and applied urban Anthropology.

Prerequisites: Anthropology 1103 or 1106 or consent of the department.

Recommended Preparation: Anthropology 2206.



ANTH 3390 – Special Topics in Biological Anthropology

(3 credits) 3 hours lecture

The specific topics of this course will vary based on the expertise of the faculty members in biological anthropology.

Prerequisite: Anthropology 1101 or Anthropology 1102.

ANTH 3391 – Special Topics in Cultural Anthropology

(3 credits) 3 hours lecture

The specific topics of this course will vary based on the expertise of the faculty members in cultural anthropology.

Prerequisite: Anthropology 1103.

ANTH 4401 – Anthropological Theory

(3 credits) 3 hours lecture

This course follows the development of anthropological theory from the inception of Anthropology as an academic discipline in the nineteenth century to contemporary theoretical configurations. Emphasis will be placed on the development of specialized approaches within the discipline. Examples and case studies will come from archaeology, biological anthropology, cultural anthropology and linguistic anthropology.

Prerequisite: Anthropology 3305 or consent of the department.

ANTH 4450 – Advanced Topics in Cultural Anthropology

(3 credits) 3 hours lecture

The specific topics of this seminar will vary based on the specialties of the faculty in cultural anthropology.

Prerequisites: Anthropology 2241 or consent of the department.

Recommended Preparation: Anthropology 3305.

ANTH 4451 – Advanced Topics in Biological Anthropology

(3 credits) 3 hours lecture

The specific topic of this seminar will vary with the specialties of the faculty, while focusing on a developing area of interest in biological anthropology.

Prerequisites: Anthropology 2229 or consent of the department.

Recommended Preparation: Anthropology 3305.

ANTH 4452 – Advanced Topics in Linguistic Anthropology

(3 credits) 3 hours lecture

The specific topics of this seminar will vary based on the specialties of the faculty in linguistic anthropology.

Prerequisites: Anthropology 1106 and one of Anthropology 2206 or 3342, or consent of the department.

ANTH 4850 – Advanced Topics in Archaeology

(3 credits) 3 hours lecture

The specific topic of this seminar-based course may vary with the specialties of the faculty in Anthropology and their research activities.

Prerequisites: Anthropology 2225 or consent of the department.

Recommended Preparation: Anthropology 3305.

ANTH 5110 – Research Design and Professional Development

(3 credits) 3 hours lecture

Students of Anthropology 5110, working under the one-on-one supervision of a full-time faculty member, will develop and publicly present a research proposal in anthropology. The proposed project plan will be carried out in the second required course for the Anthropology Honours stream, Anthropology 5120.

Prerequisite: Anthropology 3305.

ANTH 5120 – Honours Thesis

(3 credits)

Anthropology Honours students are required to demonstrate their mastery of anthropological knowledge, including method and theory, by completing an independent written research project, culminating in an honours thesis.

Prerequisites: Anthropology 4401 and 5110.

Note: These prerequisite courses must be successfully completed by or during the fall term of the student's final year in the Anthropology Honours BA degree.

ANTH 3199, 4199 – Directed Readings

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

ART HISTORY (ARTH)**ARTH 1101 – The History of Art: Prehistory to Renaissance**

(3 credits) 3 hours lecture

This course provides a critical overview of the visual arts from the Old Stone Age to the Renaissance. Students are offered a systematic study of aesthetics and the development of art styles which will enable them to develop a basic appreciation and understanding of art and its origins.

**ARTH 1103 – The History of Art: Renaissance to the Present**

(3 credits) 3 hours lecture

This course provides a critical overview of the visual arts in Western Europe from the Renaissance to contemporary times.

Recommended Preparation: Art History 1101.

**ARTH 2205 – Hipsters, Tricksters and Adventurers**

(3 credits) 3 hours lecture

This course provides a chronological survey of the visual arts in Canada from 1870 to 1970. Topics may include: wilderness adventurers and voyageurs; Indigenous shamans and tricksters; modern hipsters and countercultural movements. Exploring a range of media and styles, classes offer in-depth knowledge of the varied themes and issues shaping Canadian art history.

Recommended Preparation: Any 1000-level Art History course.

**ARTH 2207 – Provocative Themes in Art Explored**

(3 credits) 3 hours lecture

This course explores and interrogates some of the significant themes in art that have emerged across time. Themes such as art and power, class, revolution, and exoticism will be explored through a variety of sources. Artistic production including architecture, painting and sculpture will be examined to reveal thought-provoking connections across boundaries and time.

Recommended Preparation: Any 1000-level Art History course.

**ARTH 2209 – History of Modern Art from 1850 to 1920**

(3 credits) 3 hours lecture

This course is a critical look at the major schools, movements and themes of modern art in Europe and North America from 1850 to 1920.

Recommended Preparation: Any 1000-level Art History course.

**ARTH 3309 – Modern Architecture**

(3 credits) 3 hours lecture

This course focuses on developments in architecture from the mid-nineteenth century to 1960. The course will examine new architectural forms that emerged during this time, brought about by profound social, cultural, political and technical transformations.

Recommended Preparation: Any 1000-level Art History course.

**ARTH 3311 – Art, Revolution and Pop Culture**

(3 credits) 3 hours lecture

This course examines modern art from 1920 to 1970 in the eras of the world wars, revolution and radicalism. Some of the topics covered include: surrealism and the avant-garde; abstract painting and sculpture; pop culture and mass media; and public art and political space.

Recommended Preparation: Any 1000-level Art History course.

**ARTH 3313 – Impressionism: Art, Leisure & Society**

(3 credits) 3 hours lecture

This course will focus on the social history of Paris 1865-1885 as reflected in the subject matter of Impressionist art, particularly leisure. Issues such as industrialization, class, the secularization of society, the critic-dealer, and gender inequality also figure prominently.

Recommended Preparation: Any 1000-level Art History course.

**ARTH 3315 – Art & Ideas**

(3 credits) 3 hours lecture

Art and Ideas investigates the discipline of art history through the exploration of influential art historical methodologies and theoretical perspectives that have emerged in the discipline.

Recommended Preparation: Any 1000-level Art History course.

ARTH 3317 – Contemporary Art from 1970 to Today

(3 credits) 3 hours lecture

This course examines Contemporary art from 1970 to the present in different geographic contexts focusing on various genres, themes and stylistic movements. In exploring the changing meaning of visual culture, the lectures analyze the theories, concepts and institutions informing current art practices.

Recommended Preparation: Any 1000-level Art History Course.

**ARTH 3401 – The Grand Tour: Travel Studies in Western Europe**

(3 credits) 3 hours lecture

The art and architecture of selected western European regions will be explored from an interdisciplinary perspective as a prelude to a field study trip to Europe, offering students an experiential knowledge and a greater appreciation of the regions' artistic and cultural history.

Prerequisites: General Education 1201, 1202, or 1203 and consent of the department.

Recommended Preparation: Art History 1101 and/or 1103.

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

ARTH 3402 – Travel Studies in Art and Architecture

(3 credits) 3 hours lecture

This course is designed to promote a first-hand and focused engagement with art, architecture, and current exhibition practices. The locations of study will vary but will include at least one multi-night trip to destinations such as New York, Chicago, Los Angeles, Toronto and Montreal.

Recommended Preparation: Art History 1101 and/or 1103.



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

ARTH 4411 – Poetic Intentions in Architecture

(3 credits) 3 hours lecture

This advanced seminar examines significant buildings with the intention of discovering their essential nature. Students will explore architecture as the embodiment of ideas through the investigation of concepts ranging from light, transparency, opacity and texture, to more nuanced themes, such as the narrative of passage, extreme topographies and genius loci. The seminar provides opportunities for the exploration of links between theory and design in contemporary architecture.

Prerequisite: Any one of Art History 2205, 2207, 2209, 3199, 3309, 3311, 3313, 3315, 3317, 3401 or 3402.

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**

(3 credits) 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

(3 credits) 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 1303 can be used for graduation purposes.

ASTR 1301 – Planetary Astronomy

(3 credits) 3 hours lecture

This course covers basic concepts of astronomy, with emphasis on our solar system. Topics include Newton's laws and gravitation, the terrestrial and Jovian planets, comets, asteroids, the formation of the solar system, and extra-solar planets. This course stresses scientific explanation and uses mathematics, the language of science, whenever possible.

Prerequisites: Mathematics 30-1 or Mathematics 30-2 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.

**ASTR 1303 – Stars, Galaxies, and Cosmology**

(3 credits) 3 hours lecture

This course covers basic concepts of astronomy, with emphasis on the universe outside the solar system. Topics include the properties of the Sun and other stars, the life and death of stars, galaxies, large-scale structure, and cosmology. This course stresses scientific explanation and uses mathematics, the language of science, whenever appropriate.

Prerequisites: Mathematics 30-1 or Mathematics 30-2 and Physics 30 or equivalent.
This course is recommended for science majors.

Note: Only one of Astronomy 1103 and 1303 can be used for graduation purposes.

ASTR 2105 – Astrobiology

(3 credits) 3 hours lecture

This course will give an overview of the major topics in astrobiology. Topics include life on Earth, the conditions and possibility for life elsewhere in the solar system, the detection and properties of exoplanets, and SETI (Search for Extraterrestrial Intelligence). This course stresses scientific explanation and uses mathematics, the language of science.

Prerequisites: Physics 1201, Biology 1202.

Recommended Preparation: Astronomy 1301 or 1303.

ASTR 3107 – Physical Cosmology

(3 credits) 3 hours lecture

This is an introductory course on physical cosmology, the branch of astronomy concerned with the origin of the universe and its subsequent evolution. The Big Bang Theory has become the standard theory of modern physical cosmology, and this course will develop the mathematical framework behind this theory and examine the constraints observations have placed on this theory. Typical topics to be covered include the Friedmann equation, the cosmic microwave background, the geometry of the universe, primordial nucleosynthesis, the cosmological constant, inflation, dark matter, and dark energy.

Prerequisites: Mathematics 1202 or 2200, and Physics 1201 with grades of C- or higher, or department consent.

ATHLETIC THERAPY (ATTH)**ATTH 2112 – Clinical Musculoskeletal Anatomy (formerly HPED 2112)**

(3 credits) 3 hours lecture

This course builds on concepts taught in the first year course, Human Anatomy. The focus of this course is specific to regional musculoskeletal and neurological anatomy. In addition, this course will focus on surface anatomy and palpation skills. Students will apply anatomical principles to range of motion/goniometry testing and introduce the basics of therapeutic exercise. Practical aspects of this course will be integrated into lectures.

Prerequisite: Physical Literacy 1512 with a minimum grade of B.

ATTH 2505 – Prevention and Care of Athletic Injuries (formerly HPED 2505)

(3 credits) 3 hours lecture, 2 hours lab

This course provides a study of the responsibilities of physical educators toward the basic principles of athletic therapy and their role in the prevention and treatment (first aid) of athletic injuries.

Prerequisite: Physical Literacy 1512 with a minimum grade of C.



ATTH 3110 – Musculoskeletal Assessment – Peripheral (formerly HPED 3110)**(3 credits) 2 hours lecture, 2 hour tutorial**

This course involves the study of athletic injuries that fall into the category of complex injuries, repetitive trauma; injuries common to athletics will be approached from the perspective of differential diagnosis. Assessment techniques utilized by Certified Athletic Therapists will be taught. Practical experience will emphasize the assessment of injured athletes as well as the utilization of appropriate intervention skills. This course will deal with the following joints: finger, wrist, hand, forearm, elbow, shoulder, knee, lower leg and foot.

Prerequisites: Health and Physical Education 2050, 2830, 2850, Physical Literacy 3514 and 3516.

Athletic Therapy 2112 and 2505 with a minimum grade of B-. Successful completion of both the Mount Royal University First Responder for Athletic Therapy course and the Taping and Prophylactic Support course.

ATTH 3120 – Therapeutic Modalities (formerly HPED 3120)**(3 credits) 2 hours lecture, 2 hour tutorial**

This course will provide theoretical and practical in-depth knowledge of the safe and effective use of clinical modalities. Some of the topics include a review of the injury process, the transmission of energy, use of thermal agents, use of electrical agents and use of mechanical agents. These modalities are those typically used by Certified Athletic Therapists in Canada.

Prerequisites: Health and Physical Education 2050, 2830, 2850, and Physical Literacy 3514 and 3516.

Athletic Therapy 2112 and 2505 with a minimum grade of B-. Successful completion of both the Mount Royal University First Responder for Athletic Therapy course and the Taping and Prophylactic Support course.

Pre or Corequisite: Health and Physical Education 3030.

ATTH 3130 – Rehabilitation Techniques I (formerly HPED 3130)**(3 credits) 2 hours lecture, 2 hour tutorial**

This course will provide theoretical and practical in-depth knowledge of the safe and effective use of rehabilitation to enhance the recovery of injury. The techniques are those typically used by Certified Athletic Therapists in Canada.

Prerequisites: Health and Physical Education 3030, Athletic Therapy 3110, 3120, 3150, and 3160.

ATTH 3150 – Clinical Practicum I (formerly HPED 3150)**(1.5 credits) 2 hours lecture every 2 weeks, 100 hours practicum**

This is an introductory level clinical placement with an approved agency that focuses on clinical skills. Participants will participate in lectures once every two weeks, complete 100 hours of practicum and complete the assignments as required.

Prerequisites: Health and Physical Education 2050, 2830, 2850, Physical Literacy 3514 and 3516.

Athletic Therapy 2112 and 2505 with a minimum grade of B-. Successful completion of both the Mount Royal University First Responder for Athletic Therapy course and the Taping and Prophylactic Support course.

Corequisite: Athletic Therapy 3110.

ATTH 3152 – Clinical Practicum II (formerly HPED 3152)**(1.5 credits) 2 hours lecture every 2 weeks, 100 hours practicum**

This is an intermediate level clinical practicum with an approved agency that focuses on a higher level of responsibilities and expectations with clinical assessment and rehabilitation skills. Participants will participate in lectures once every two weeks, complete 100 hours of practicum and complete the assignments as required.

Prerequisites: Athletic Therapy 3110, 3120, and 3150.

ATTH 3160 – Field Practicum I (formerly HPED 3160)**(1.5 credits) 2 hours lecture every 2 weeks, 100 hours practicum**

This is an introductory level field placement with an approved agency that focuses on field management skills. Participants will participate in lectures once every two weeks, complete 100 hours of practicum and complete the assignments as required.

Prerequisites: Health and Physical Education 2050, 2830, 2850, Physical Literacy 3514 and 3516.

Athletic Therapy 2112 and 2505 with a minimum grade of B-. Successful completion of both the Mount Royal University First Responder for Athletic Therapy course and the Taping and Prophylactic Support course.

ATTH 3162 – Field Practicum II (formerly HPED 3162)**(1.5 credits) 2 hours lecture every 2 weeks, 100 hours practicum**

This is an intermediate level field placement with an approved agency that focuses on a higher level of responsibilities and expectations with field management skills. Participants will participate in lectures once every two weeks, complete 100 hours of practicum and complete the assignments as required.

Prerequisites: Athletic Therapy 3110, 3120, and 3160.

ATTH 4110 – Musculoskeletal Assessment – Spinal (formerly HPED 4110)**(3 credits) 2 hours lecture, 2 hour tutorial**

This course involves the study of athletic injuries that fall into the category of complex injuries, repetitive trauma; injuries common to athletics will be approached from the perspective of differential diagnosis. Assessment techniques utilized by Certified Athletic Therapists will be taught. Practical experience will emphasize the assessment of injured athletes as well as the utilization of appropriate intervention skills. Specific joints to be covered are: Cervical, Thoracic, Lumbar, Pelvis and Hip.

Prerequisites: Athletic Therapy 3130, 3152, and 3162.

ATTH 4130 – Rehabilitation Techniques II (formerly HPED 4130)**(3 credits) 2 hours lecture, 2 hour tutorial**

This course will build on the concepts learned in Physical Education 3301, 3303, 3305 and 3307. This course will integrate the assessment and rehabilitation of the body as a whole, viewing assessment and rehabilitation as a kinetic chain. Rehabilitation will be studied from the acute stage through to the chronic stages of an injury. This course will address the typical situations a Certified Athletic Therapist in Canada is confronted within a clinical setting.

Prerequisites: Athletic Therapy 3130, 3152, and 3162.

ATTH 4140 – Practical Clinical Management and Administration (formerly HPED 4140)**(3 credits) 3 hours lecture for 13 weeks or 6 hours lecture for 7 weeks**

This course will cover the theoretical and practical skills needed to operate an athletic therapy clinic or practice privately, with an athletic team or in conjunction with other paramedical professionals. Topics such as business plan writing, budgetary issues, marketing issues, personnel hiring and evaluation, physical planning of a clinic and operating, licensing, and codes will be covered.

ATTH 4150 – Clinical and Field Practicum III (formerly HPED 4150)**(3 credits) 2 hours lecture, 175 hours practicum**

This is an advanced level field and clinical practicum with an approved agency that focuses on a higher level of responsibilities and expectations with field management and clinical skills. Participants will participate in lectures each week, complete 175 hours of practicum and complete the assignments as required.

Prerequisites: Athletic Therapy 3110, 3130, 3152 and 3162.

ATTH 4152 – Clinical and Field Practicum IV (formerly HPED 4152)**(3 credits) 2 hours lecture, 175 hours practicum**

This is an advanced level field and clinical practicum with an approved agency that focuses on supervised autonomy. This is the capstone course that prepares students for professional entry. Students will be expected to demonstrate a competency level at which they can practice independently. Students will participate in lectures each week, complete 175 hours of practicum and complete the assignments as required.

Prerequisites: Athletic Therapy 4110 and 4150.

ATTH 5100 – Issues in Athletic Therapy (formerly HPED 5100)

(3 credits) 3 hours lecture for 16 weeks or 6 hours lecture for 7 weeks
This course will include the study and investigation of sports medicine topics that have a direct and indirect impact on Certified Athletic Therapists in Canada. This course is offered in a series of lectures, discussions, guest presentations, student presentations and self-study modules.

Prerequisites: Athletic Therapy 4150.

BIOCHEMISTRY (BCEM)

BCEM 2201 – General Biochemistry

(3 credits) 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.

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

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 and Chemistry 2102 with a grade of C- or higher.

BCEM 4302 – Advanced Bioanalytical Chemistry

(3 credits) 6 hours lab

Working in groups, students will propose and develop a small research project through which they will gain hands-on experience using modern techniques such as ultra-high performance chromatography and tandem mass spectrometry applied to biological questions. These projects will also involve analysis of complex datasets and communication of the results.

Prerequisite: Chemistry 4301 and Biochemistry 3201 or 3202 all with a C- grade or higher.

BIOLOGY (BIOL)

BIOL 0115 – Introduction to Biology

(0 credits) 3 hours lecture, 3 hours lab

This is a credit-free upgrading course; special fees apply. Topics included in the course are: cell structure; organelle function; transport mechanisms; enzymes and metabolism; metabolic pathways of respiration and photosynthesis; human systems of digestion, respiration and excretion; ecology and humans' relationship to the environment.

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: mitotic and meiotic processes; molecular genetics; Mendelian genetics and heredity; population genetics; basic physiology and anatomy of the human nervous, circulatory, reproductive and endocrine systems.

Corresponding Alberta High School Equivalent: Biology 30.

Recommended Preparation: Biology 0115 or Biology 20.

BIOL 1202 – Introduction to Cell Biology

(3 credits) 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

(3 credits) 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.

Note: Credit can only be obtained for one of Biology 1204 or 1205. Biology 1204 is required for certain majors in the Bachelor of Science and the Biology minor. Students who are not in the Bachelor of Science or the Biology minor may instead take Biology 1205.

BIOL 1205 – The Organization and Diversity of Life

(3 credits) 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.

Note: Credit can only be obtained for one of Biology 1204 or 1205. Biology 1204 is required for certain majors in the Bachelor of Science and the Biology minor. Students who are not in the Bachelor of Science or the Biology minor may instead take Biology 1205.

BIOL 1212 – Human Anatomy and Physiology

(3 credits) 3 hours lecture

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 1216 – Human Physiology

(3 credits) 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) 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) 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 with a minimum of C-.

BIOL 2101 – Genetics

(3 credits) 3 hours lecture

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. It is strongly suggested that students do not enroll in this course until their second year of studies.

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

BIOL 2102 – How They Do It: Patterns of Reproduction

(3 credits) 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: General Education 1101, 1102 or 1103, with a grade of C- or higher.

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

**BIOL 2105 – Microbiology I**

(formerly MIBI 2201)

(3 credits) 3 hours lecture, 3 hours lab

This course provides an introduction to microbiology, with emphasis on the evolution, structure, and function of prokaryotes and viruses. A research assignment encourages students to explore the exciting world of medical microbiology. The laboratory provides students with hands-on experience in culture, characterization and identification of microorganisms.

Prerequisites: Chemistry 1201, 1202, and Biology 2101, with grades of C- or higher.

BIOL 2202 – Cellular and Molecular Biology

(3 credits) 3 hours lecture

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

(3 credits) 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. It is strongly suggested that students do not enroll in this course until their second year of studies.

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

**BIOL 2213 – Principles of Ecology and Evolution**

(3 credits) 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 – Invertebrate Zoology

(3 credits) 3 hours lecture, 3 hours lab

A survey of the diversity and evolution of invertebrate animals. Functional morphology, phylogeny, and life cycles are emphasized. Laboratory components include the study of both preserved specimens and live animals.

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

BIOL 2309 – Plants and People

(3 credits) 3 hours lecture

This course deals with human interaction with plants as sources of food, fuel, shelter, fiber, medicine and psychoactive substances. The impact of plants on culture and religion will be explored. Plant improvement by traditional and modern methods will also be discussed.

Prerequisite: General Education 1101, 1102 or 1103 with a grade of C- or higher.

**BIOL 3101 – Molecular Genetics**

(3 credits) 3 hours lecture, 3 hours lab

Prokaryotic and eukaryotic chromosome structure; DNA replication, repair, transcription, RNA translation and processing, and mechanisms of gene regulation will be studied. In the laboratory, students will characterize an unknown gene by practicing techniques such as genomic DNA isolation, plasmid transformation and purification, restriction mapping, Southern blotting, and polymerase chain reaction (PCR).

Prerequisites: Biology 2105 and 2202 with grades of C- or higher.

BIOL 3102 – Cell Dynamics and Signalling

(3 credits) 3 hours lecture, 3 hours lab

This course explores cell signalling, proliferation, differentiation, and programmed cell death. Readings of primary scientific literature are required as part of the lecture component. In the laboratory, students will use cell culture, vital staining, and methods in basic light and fluorescence microscopy to understand cell structure and physiology.

Prerequisites: Biology 2105, 2202 and Biochemistry 2201 with grades of C- or higher.

BIOL 3103 – Introduction to Biophysics**(3 credits) 3 hours lecture, 1.5 hour tutorial**

The aim of this course is to apply concepts and laws of physics to the study and understanding of living systems. As shown in the course outline, the topics that will be covered are: biomechanics of bone and muscle, hemodynamics, diffusion and osmosis, physics of respiration and cough, heat regulation mechanisms, electroreception and conduction of impulses along the nervous system, magnetic sense, and the physics of vision and hearing.

Prerequisites: Mathematics 1200, Physics 1202 or 1212 and Biology 1202.

Note: Credit for both Biology 3103 and Physics 3103 will not be allowed.

BIOL 3104 – Human Physiology I**(3 credits) 3 hours lecture, 3 hours lab**

This course deals with the normal functions of and interactions between organs and organ systems in the human body. The emphasis will be on how these functions are controlled in the normal state and how they are integrated in the whole organism. The major topics studied in this course include: homeostasis, signal transduction and intercellular communication, properties of excitable cells, the nervous system, the muscular systems, the endocrine system and the reproductive system.

Prerequisites: Biology 2202 and 2203 and Chemistry 1201 and 1202 with grades of C- or higher.

BIOL 3105 – Microbiology II**(formerly MIBI 3105)****(3 credits) 3 hours lecture**

This course builds on concepts introduced in Microbiology I. Students explore how microbes impact our health and our environment, and how medical and industrial applications of microbiology can improve our lives. A term project provides students with the opportunity to learn and teach about a microbiological topic of personal interest and relevance.

Prerequisites: Biology 2105, Biochemistry 2201 and Biology 2202, or equivalents, with grades of C- or higher.

Recommended Preparation: Mathematics 2233

BIOL 3106 – Evolutionary Biology**(3 credits) 3 hours lecture, 3 hour lab**

All biological systems are the product of evolution and thus can only be fully understood from this perspective. This course will introduce the major themes of evolutionary biology through readings, lectures, videos, discussions and laboratory exercises. Topics will include: development of evolutionary theory, insect mimicry, basic population genetics, species concepts, evolution of altruism, sexual selection, human variation and evolution.

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

BIOL 3107 – Evolution in Health and Disease**(formerly BIOL 4204)****(3 credits) 3 hours lecture**

This course explores ways in which an understanding of evolutionary mechanisms both aids in the understanding of disease processes and informs the development of effective treatments. Emphasis will be placed on 'civilized diseases', which result from mismatch between our evolutionary history and modern lifestyles. In addition to evolution within our species, the course will examine co-evolutionary processes between pathogens/parasites and their human hosts.

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

BIOL 3108 – Conservation Biology**(3 credits) 3 hours lecture**

This course examines the principles of conservation biology: the scientific study of biological conservation and diversity. Topics will include minimum viable population size and population viability analyses, conservation genetics, biogeography, metapopulation dynamics, and extinction vulnerability. We will focus on the issues of habitat loss and fragmentation, invasive species, and the challenges of conserving populations.

Prerequisite: Biology 2213 with a grade of C- or higher, or equivalent.

BIOL 3203 – Genomes**(3 credits) 3 hours lecture, 1 hour lab**

Students will apply what they've learned about gene structure and cell biology in preceding courses to study cases of human diseases. The structures of the genomes from human and model systems will be compared. Online bioinformatics and proteomics exercises will allow students to take a hands-on approach toward investigating disease and evolutionary theories in the context of modern biology.

Prerequisites: Biology 2202 and Biochemistry 2201 with a grade of C- or higher.

BIOL 3204 – Histology**(3 credits) 3 hours lecture, 3 hours lab**

The course provides an introductory survey of the microscopic structure and organization of human cells, tissues and organ systems with an emphasis on the relationships between structure and function. The labs, which involve extensive microscopy, are strongly integrated with the lectures. Appropriate examples of histopathology will be explored.

Prerequisites: Biology 2203 with a grade of C- or higher.

BIOL 3205 – Human Physiology II**(3 credits) 3 hours lecture, 3 hours lab**

This course is a continuation of Biology 3104 – Human Physiology I. The major topics studied in this course include the immune system, blood, the cardiovascular system, the respiratory system, the urinary system, the digestive system, fluid and acid-base balance, metabolism and thermoregulation, and the body's response to exercise stress.

Prerequisite: Biology 3104 with a grade of C- or higher.

BIOL 3216 – Human Adaptation to Environmental Stress**(3 credits) 3 hours lecture**

This course will address human physiological responses and adaptations to extreme and diverse environmental conditions. Using applied examples and case studies, the problems of hypoxia (high altitude), high pressure (diving and submarines), high gravitational forces (fighter pilots), microgravity (space flight), and excessive heat, cold and humidity may be examined, in addition to other topics where possible. Students will play an active role in their understanding of environmental physiology through completion of an independent research paper and presentation of a specific area of interest. Although no background preparation in physiology is required, this course will have the assessment expectations of a third year course.

Prerequisite: One of General Education 1101, 1102 or 1103 with a minimum of C- or higher, or with the consent of the department.

BIOL 3301 – Animal Behaviour**(3 credits) 3 hours lecture**

This course provides an introduction to the science of animal behaviour from an evolutionary perspective. Students will explore the theories and mechanisms to understand how and why animals behave the way they do. Topics will draw on examples from across the animal kingdom to illustrate diversity of behaviours.

Prerequisites: Biology 2213 and one of Mathematics 2233 or 2234.

BIOL 4101 – Advanced Cellular and Molecular Biology I**(3 credits) 6 hours lab**

In this course students carry out one or more laboratory research projects, obtaining experience with experimental design, data analysis, and laboratory techniques. Lectures provide students with guidance and relevant theoretical information.

Prerequisites: Biology 3101, 3102 and 3203 each with a grade of C- or better.



BIOL 4102 – Pathophysiology: Mechanisms of Disease

(3 credits) 3 hours lecture

Students will study the development and consequences of diseases that result from alterations in the function of molecules, cells, organs and systems, including the influence of environment and genetics. The course will use a multidisciplinary approach to understand basic disease processes and their underlying mechanisms. The course will focus on a selected set of human diseases, chosen to illustrate fundamental features of pathophysiological processes.

Prerequisites: Biology 2202, 3204, 3205 and Biochemistry 2201, each with a grade of C- or higher.

BIOL 4202 – Advanced Cellular and Molecular Biology II

(3 credits) 6 hours lab

In this course, students continue their laboratory research projects from the prerequisite course (Biology 4101 – Advanced Cellular and Molecular Biology I), obtaining experience with experimental design, data analysis, and laboratory techniques. Lectures provide students with guidance and relevant theoretical information.

Prerequisite: Biology 4101 with a grade of C- or higher.

BIOL 4203 – Current Topics in Cellular and Molecular Biology

(3 credits) 3 hours lecture

Current topics in cellular and molecular biology, and related fields, will be explored through faculty- and student-led seminars. The seminar discussions will focus on peer-reviewed literature, covering both recent and landmark papers in selected topics. Students are required to present the findings of recent papers, participate in analysis of the findings, and complete written critical reviews of selected topics.

Prerequisite: Biology 4101 or equivalent with a grade of C- or higher.

BIOL 4207 – Womb to Tomb: Embryology, Development and Aging

(3 credits) 3 hours lecture, 3 hours lab

This course examines the complete arc of the human life cycle, from fertilization to senescence. Particular emphasis will be placed on embryological development, and on ways in which diseases associated with aging may be forestalled, minimized or prevented. Labs will be devoted to the examination of chick and pig embryos.

Prerequisite: Biology 3204 with a grade of C- or higher, or equivalent.

BIOL 4208 – Seminars in Health Science

(3 credits) 3 hours lecture

This is an interactive seminar and project-based course in which students will explore the themes of (1) critical appraisal of scientific and medical literature, (2) scientific integrity and professionalism and (3) scientific communication. Students will be given the opportunity for in-depth independent investigation on a topic of their choice in the area of human health science and related fields. A critical written review and oral presentation of the topic, as well as ongoing thoughtful contribution to class discussions will be required.

Prerequisites: Biology 3204, 3205 and Philosophy 2223 with a grade of C- or higher or consent of the department.

BIOL 4209 – Neuroscience

(3 credits) 3 hours lecture

This course is an exploration of the expansive field of neuroscience through a multidisciplinary examination of current research. The latest discoveries and techniques in the field will underscore an investigation into hot topics including neurogenesis, learning and memory, addiction, stress, pain, cognition and consciousness, emotional processing, motor control and selected diseases and disorders. An integrative understanding of the topics at a cellular, systems and behavioural level will be emphasized.

Prerequisite: Biology 3205 with a grade of C- or higher.

BIOL 4211 – Applied Human Physiology

(3 credits) 3 hours lecture, 3 hours lab

This course will build on the knowledge of basic physiology of humans to address the integrated physiological responses of human subjects to work, exercise and environmental extremes. In addition, interactions between these stresses and aging, gender, heredity, nutrition and disease may be discussed. Students will play an active role in developing their understanding of applied human physiology through laboratory exercises, an independent group laboratory project and writing an independent literature review paper in a specific area of interest.

Prerequisite: Biology 3205 with a grade of C- or higher.

BIOL 4301 – Current Topics in Evolution and Ecology

(3 credits) 3 hours lecture

This is a seminar and project-based course that explores current research in the fields of evolution, ecology, conservation, and organismal biology. Seminar discussions will critically examine the peer-reviewed literature on selected topics. Students will be required to lead seminars, participate in group discussions, and provide written analyses and reviews of current topics.

Prerequisite: Biology 3106 with a grade of C- or higher.

BIOL 4310 – Molecular Ecology

(3 credits) 3 hours lecture, 3 hours lab

Molecular ecology is the study of the genetics of natural populations, and the application of molecular genetics to answer fundamental and applied ecological and evolutionary questions. Lectures and seminars in this course will cover topics ranging from theoretical populations genetics to applied evolutionary genetics, and will draw heavily on peer-reviewed literature, published data sets, and student-generated data. The lab component of this course will involve the application of molecular genetics protocols (e.g., isolation of DNA from animal and plant tissues, DNA fingerprinting, and gene sequencing) and field techniques (e.g., sample collection, species identification, and specimen handling).

Prerequisite: Biology 2101 with a minimum grade of C- or consent from the department.

BIOL 5201 – Independent Projects I

(3 credits) 6 hours lab

This course provides the student with the opportunity to do real biological scholarship. The student will be expected to design and complete a project of their choosing in an area of biology under the guidance of a faculty supervisor. The project results will be presented as a paper and an oral seminar to the department. (After consultation with a departmental faculty member who will supervise the project, permission to take the course must be obtained from the department chair.)

Prerequisite: Any 3000 level Biology course and consent of the department.

BIOL 5202 – Independent Projects II

(3 credits) 6 hours lab

This course provides the student with the opportunity to do real biological scholarship. The student will be expected to design and complete a project of their choosing in an area of biology under the guidance of a faculty supervisor. The project results will be presented as a paper and an oral seminar to the department. (After consultation with a departmental faculty member who will supervise the project, permission to take the course must be obtained from the Department Chair.)

Prerequisite: Biology 5201 and consent of the department.

BIOL 3299, 4299 – Directed Readings

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

CHEMISTRY (CHEM)

CHEM 0115 – Basic Chemistry I

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

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

Topics include: matter and measurement in chemistry, atomic structure, periodic table, chemical formulae and nomenclature, chemical reactions and chemical equations, mole concept and stoichiometric calculations, chemical bonding solution, stoichiometry and gas laws. Students who successfully complete this course or its equivalent are adequately prepared to take Chemistry 0130.

Corresponding Alberta High School Equivalent: Chemistry 20.

Recommended Preparation: Mathematics 10-C or equivalent.

CHEM 0130 – Basic Chemistry II

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

This is a credit-free upgrading course; special fees apply. Topics include: solution stoichiometry, acids and bases, oxidation-reduction, energy changes, reaction rates, chemical equilibria, redox reactions and electrochemistry. This is a quantitative chemistry course and therefore some math skills are strongly recommended.

Corresponding Alberta High School Equivalent: Chemistry 30.

Recommended Preparation: Chemistry 0115 or Chemistry 20 AND Mathematics 0115 or Mathematics 20-1

CHEM 1201 – General Chemistry – Structure and Bonding

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

This course builds on basic concepts learned previously. Topics include basic quantum mechanics, the periodic table and the chemistry of selected elements, atomic and molecular structure, various theories of chemical bonding, intermolecular forces and phase diagrams, and the major classes of organic and biological compounds. Laboratory exercises will reinforce lecture topics and develop laboratory skills and other competencies.

Prerequisites: Chemistry 30 and Mathematics 30-1.

CHEM 1202 – General Chemistry – Introduction to Quantitative Chemistry

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

This course builds on basic concepts covered in prerequisite courses. Topics include the properties of real gases and solutions, acid/base concepts, chemical kinetics, various equilibria (including acid/base, ionic, and solubility equilibria), elementary thermochemistry and thermodynamics, and electrochemistry. Laboratory exercises will reinforce lecture topics and develop laboratory skills and other competencies.

Prerequisites: Chemistry 30 and Mathematics 30-1.

Recommended Preparation: Mathematics 1200.

CHEM 1203 – The Organic Chemistry of Life

(3 credits) 3 hours lecture

This course is designed for students with a general interest in organic chemistry or for students requiring a one semester course in the above. The course takes an integrated approach to cover topics in organic chemistry related to life and offers a foundation in organic chemistry and biochemistry.

Prerequisite: Chemistry 30 or equivalent.



CHEM 1207 – General Chemistry for the Environmental Sciences

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

This course builds on concepts covered in high school Chemistry and Mathematics courses. Topics include quantum theory, atomic & molecular structure, theories of chemical bonding, intermolecular forces, equilibria (including acids and bases, solubility), chemical kinetics, and oxidation-reduction reactions – all with a view to issues in environmental science. Laboratory exercises will reinforce lecture topics and develop laboratory skills and other competencies.

Prerequisites: Chemistry 30 and Mathematics 30-1.

CHEM 2101 – Organic Chemistry I

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

This is a first course in a sequence of introductory organic chemistry. Topics to be covered include structure and its effects on reactivity, nomenclature, stereochemistry, spectroscopy, reaction types such as substitution, elimination and addition from a mechanistic perspective, and an introduction to synthesis. The laboratory component of the course is designed to reinforce lecture topics and to further develop skills and competencies necessary in modern chemistry laboratories.

Prerequisite: Chemistry 1201 and 1202 with grades of C- or higher.

CHEM 2102 – Organic Chemistry II

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

This course continues the mechanistic exploration of organic chemistry introduced in the previous course. Lecture topics will include conjugated systems, carbonyl chemistry, aromaticity, substitution and addition reactions in aromatic, conjugated and carbonyl systems, radical reactions, enolate chemistry, pericyclic reactions and a more intensive look at synthesis of organic compounds. The laboratory component allows a more complete look the preparation of compounds and qualitative and quantitative organic analysis.

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

CHEM 2157 – Industrial Organic Chemistry (formerly CHEM 3357)

(3 credits) 3 hours lecture, 1 hour tutorial

Topics discussed in this course include: the hybridization of the carbon atom; covalent bonding; reactions of alkanes, alkenes, alkynes and aromatic hydrocarbons; functional groups and their reactions; polymerization and industrial applications. Major projects will include cradle-to-grave analysis of an assigned organic compound and theoretical development of new recycling methods for organics.

Prerequisite: Chemistry 1209 or Chemistry 1202.

CHEM 2205 – Computers in Chemistry

(3 credits) 1 hour lecture, 2 hours lab

This course will provide the student with a basic knowledge of a number of computer programs that can be used to teach and learn chemical concepts. Programs used may include Microsoft Excel, ChemSketch, Virtual ChemLab, LoggerPro, Odyssey, and Spartan Model. The laboratory component will support the lecture by allowing students to use the programs to develop projects of their choosing.

Prerequisites: Chemistry 1201 (or the previous 2201), Chemistry 1202 (or the previous 2203) and Mathematics 1200 (or the previous 2249/2251) with a grade of C- or higher.

CHEM 2211 – The Chemistry Between Us

(3 credits) 3 hours lecture

Chemistry 2211 is a study of the Chemistry each of us experiences on a daily basis. Topics include: the nature of chemical species; food chemistry and metabolism; medications, cosmetics, and cleaning agents; explosives and propellants; energy and fuel sources; and environmental chemistry. Students will gain an understanding of chemical safety and the risks and benefits of living in a chemical world.

Recommended Preparation: Cluster 1 Foundation Level course.



CHEM 2301 – Analytical Chemistry I: Quantitative Analysis

(3 credits) 3 hours lecture, 4 hours lab

This course stresses the importance of precision measurement in the practice of chemistry; the analytical methods employed in data manipulation and complexometric analysis. The laboratory component will focus on the development of analytical laboratory skills in organic and inorganic analysis.

Prerequisites: Chemistry 1202 and Mathematics 1200 with a grade of C- or higher.

CHEM 2302 – Analytical Chemistry II: Introduction to Instrumental Analysis**(3 credits) 3 hours lecture, 4 hours lab**

This course follows Chemistry 2301 (Analytical Chemistry 1, Quantitative Analysis) and introduces students to the principles and practice of instrumental methods in quantitative analysis. Lectures will cover spectroscopic analysis (UV-visible, atomic absorption/emission), electroanalytical methods (potentiometry, voltammetry, coulometry and redox titrations) and analytical separation methods (extraction methods, chromatography [including ICP, HPLC, GC, GC-MS] and capillary electrophoresis). Labs will cover quantitative analysis of organic and inorganic materials using some of the above methods.

Prerequisite: Chemistry 2301 with a grade of C- or higher.

CHEM 2401 – Inorganic Chemistry**(3 credits) 3 hours lecture, 4 hours lab**

Chemistry 2401 is a study of the models and concepts underlying the field of inorganic chemistry. Topics covered will include Elemental Periodic Trends, Molecular Symmetry, and Coordination Complexes. The Laboratory Component involves preparation, purification and analysis of a variety of inorganic compounds.

Prerequisites: Chemistry 1201 and Chemistry 1202, both with a grade of C- or higher.

CHEM 2601 – Introduction to Physical Chemistry**(3 credits) 3 hours lecture, 3 hours lab**

This course is a calculus-based development of the mathematical aspects of physical chemistry. Topics to be covered include ideal and real gases, thermodynamic relations, reaction mechanisms and catalysis, and the quantum mechanics of simple model systems and spectroscopy. Laboratory exercises will reinforce lecture topics and develop practical skills.

Prerequisites: Chemistry 1201, Chemistry 1202, Mathematics 1200, and Physics 1201; all with a grade of C- or higher.

CHEM 3201 – Structure Determination**(3 credits) 3 hours lecture, 3 hours lab**

Topics will include vibrational, absorption and emission spectroscopy, both single and multidimensional NMR based on various nuclei, as well as mass spectrometry. Fundamental theories that lead to spectral phenomenon, as well as the application of these theories in the identification of complex unknowns will be addressed both through lecture and laboratory work.

Prerequisite: Chemistry 2102 with a grade of C- or higher.

CHEM 3401 – Solid State**(3 credits) 3 hours lecture, 4 hours lab**

This course is a study of the models and concepts underlying the physics of chemical species in the solid state. Topics covered will include crystal structures, mechanical properties of solids, electronic models of solids, and semiconductor devices. The laboratory component involves both tutorial style exploration of concepts as well as experimental investigation of topics such as x-ray diffraction and semiconductor materials. Credit for both Chemistry 3401 and Physics 3401 will not be permitted.

Prerequisites: Chemistry 1201, Chemistry 1202 and Physics 1202, all with a grade of C- or higher.

Note: PHYS 3401 and CHEM 3401 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

CHEM 3601 – Thermodynamics**(3 credits) 3 hours lecture, 3 hours lab**

This is an introduction to thermodynamics from a modern macroscopic perspective. Lecture topics will include the laws of thermodynamics, Maxwell relations, internal energy, enthalpy, entropy, Helmholtz and Gibbs free energies, chemical potential and equilibrium, as well as a detailed study of the Kinetic Theory of Gases for mono- and polyatomic gases, both ideal and real. The laboratory component will support the lecture material through theoretical modeling and basic thermodynamic and kinetic experiments.

Prerequisites: Chemistry 1201, Chemistry 1202, Physics 1202 and Mathematics 1202 or 2200, all with a grade of C- or higher or department consent.

Note: Credit for both Chemistry 3601 and Physics 3601 will not be allowed.

CHEM 3602 – Elementary Quantum Mechanics**(3 credits) 3 hours lecture, 3 hours lab**

This is an introductory course in quantum mechanics. The basic theory and formalisms of quantum mechanics will be developed, followed by its application to a variety of model systems from atomic and molecular physics and chemistry; including a discussion of electron spin with reference to both single- and multi-electron atoms. The lab will consist of classic experiments in quantum mechanics and spectroscopy.

Prerequisites: Mathematics 1202 or Mathematics 2200, and Mathematics 1203 and Physics 2201 with grades of C- or higher, or department consent.

Recommended Preparation: Chemistry 2601 and Mathematics 3200.

Note: Credit for both Chemistry 3602 and Physics 3602 will not be allowed.

CHEM 3802 – The Science and Politics of Nuclear Energy**(3 credits) 3 hours lecture, 1 hour lab**

This course is designed for students with an interest in how nuclear energy impacts our world. Students will explore the science, politics, and policies surrounding nuclear technology in Canada and abroad. Lecture topics include nuclear warfare, classification of radiation, nuclear reactors in Canada, nuclear politics, global energy security, and the future of nuclear energy.

Prerequisites: General Education 11XX, and General Education 13XX

**CHEM 4103 – Advanced Organic Chemistry: Synthesis (formerly CHEM 3103)****(3 credits) 3 hours lecture, 4 hours lab**

This course deals with the synthetic aspects of organic chemistry: oxidations, reductions, concerted reactions, stereoselectivity, synthetic equivalents, and protecting groups. The reaction types will then be used in planning efficient synthetic pathways towards important complex target molecules such as clinical drugs and natural products. The laboratory component will emphasize isolation, purification, and characterization of major and minor products from selected syntheses.

Prerequisite: Chemistry 2102 with a grade of C- or higher.

CHEM 4213 – Drug Discovery**(3 credits) 3 hours lecture**

This course illustrates the interrelation of Chemistry and Biology in the process of drug discovery and development. Topics include methods of lead discovery and optimization, classes of drug targets, structure-activity relationships and bioisosterism, and radiopharmaceuticals. Concepts will be illustrated using the development of several clinical drugs as examples.

Prerequisite: Chemistry 2102 and Biochemistry 4212 with a grade of C- or higher.

CHEM 4301 – Advanced Analytical Chemistry**(3 credits) 3 hours lecture, 4 hours lab**

This course will build on to the knowledge of instrumental analysis as introduced in the second year Chemistry course, Analytical Chemistry II. The theory and practice on instrumental techniques used in spectroscopic, chromatographic and electroanalytical methods will be covered. Students will be encouraged to work more independently in the labs and experiments will use relevant real-life samples wherever possible.

Prerequisites: Chemistry 2302 and 3200 with a grade of C- or better.

CHEM 4411 – Organometallic Chemistry and Catalysis**(3 credits) 3 hours lecture**

Chemistry 4411 is an in-depth examination of organometallic chemistry and catalysis, including an independent analysis of the current primary literature in the field. Topics covered will include the fundamentals of structure and bonding of some transition metal compounds, the carbonyl ligand, pi ligands, other important ligands, reactions that occur at the metal, reactions involving the modification of ligands, an introduction to bio-organometallic processes, and the role of transition metal complexes in catalysis.

Prerequisites: Chemistry 2401 and Chemistry 2102, both with a minimum grade of C-.

CHEM 4602 – Advanced Quantum Mechanics

(3 credits) 3 hours lecture

This is the second course in quantum mechanics, building on the introductory Chemistry or Physics courses, Elementary Quantum Mechanics. It develops more powerful mathematical methods and applies them to more realistic systems. The topics covered include: the theory of angular momentum, three-dimensional problems, time-independent and time-dependent perturbation theories, applications to fine structure and radiation, systems of several particles, and scattering.

Prerequisites: Mathematics 3200 and either Chemistry 3602 or Physics 3602, both with a grade of C- or higher.

Note: PHYS 4602 and CHEM 4602 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

CHEM 4610 – Advanced Topics in Chemical Physics

(3 credits) 3 hours lecture

In this course, one or more advanced topics in chemical physics will be explored in depth. The topic(s) may change from year to year; examples include: electronic structure calculations, advanced methods in molecular spectroscopy, nonlinear laser spectroscopy, photoionization and electron-molecule scattering. Contact the department for more information on the topic(s) covered in any given year.

Prerequisites: Physics 3601 and 3602, both with a grade of C- or higher.

Note: PHYS 4610 and CHEM 4610 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

CHEM 4611 – Advanced Laboratory in Chemical Physics

(3 credits) 1 hour lecture, 3 hours lab

This course has primarily a laboratory focus and is based on experiments covering various topics including thermodynamics, statistical mechanics, kinetic theory, atomic and molecular spectroscopy, optics, condensed matter physics, magnetic resonance, fluorescence and others can be explored. Each student selects and performs three experiments. Independent work is stressed, and scientific writing and presentation skills are emphasized. Weekly lectures will discuss experimental chemistry and physics techniques as well as skills necessary for the labs.

Prerequisites: Chemistry 3401 or Physics 3401, Chemistry 3601 or Physics 3601, and Chemistry 4602 or Physics 4602 with grades of C- or higher in all three.

Note: PHYS 4611 and CHEM 4611 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

CHEM 4701 – Molecular Modelling

(3 credits) 2 hours lecture, 2 hours lab

This is an introductory course in molecular modelling. The formalism, advantages, and drawbacks of a number of models will be discussed through the study of the shape, symmetry, and properties of inorganic, organic, and biological systems. The lab will reinforce the lecture topics through hands-on computer simulations of various molecular systems, including some chosen by the student.

Prerequisite: Chemistry 3602 or Physics 3602 with a grade of C- or better or department consent.

CHEM 4801 – Nuclear Chemistry (formerly CHEM 3801)

(3 credits) 3 hours lecture

This course is a study of the models and applications of nuclear science. Topics covered will include quantitative and qualitative descriptions of radiochemistry and nuclear methods of analysis; nuclear reactors; nuclear medicine; and cosmology.

Prerequisites: Chemistry 2401, Physics 1202 and Mathematics 1202 or 2200, all with a grade of C- or higher.

CHEM 5201 – Independent Projects I

(3 credits) 6 hours lab

Students will be expected to design and complete a project of their choosing in some area of Chemistry under the guidance of a supervisor. The project results will then be presented as a paper and an oral presentation to the department. To register in this course, you must first consult with a departmental faculty member who will supervise your project and obtain permission from the department chair.

Prerequisite: Consent of the department.

CHEM 5202 – Independent Projects II

(3 credits) 6 hours lab

Students will be expected to design and complete a project of their choosing in some area of Chemistry under the guidance of a supervisor. The project results will then be presented as a paper and an oral presentation to the department. To register in this course, you must first have a research proposal approved by the departmental faculty member who will supervise your project and obtain permission from the department chair.

Prerequisite: Chemistry 5201 and consent of the department.

CHEM 3299, 4299 – Directed Readings

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

CHINESE (CHIN)

Students with previous knowledge of Chinese are required to contact the Department of English, Languages, and Cultures in order to take a placement test to determine the appropriate course level prior to registering in a Chinese course.

Students who register in a course that is not appropriate to their level of language proficiency, as determined by the Department of English, Languages, and Cultures, may be deregistered from the class without prior knowledge.

CHIN 1105 – Beginners' Chinese I

(3 credits) 4 hours lecture, 1 hour lab

This course introduces Modern Standard Chinese (also known as "Mandarin") to students who have no prior knowledge of the language. It provides basic training in practical language skills such as listening, speaking, reading and writing for everyday purposes.

Note: This course is open to students with a background in Cantonese (including Chinese 30 taught in Cantonese). If in doubt, students seeking entry into this course should consult the Department of English, Languages, and Cultures.

**CHIN 1107 – Beginners' Chinese II**

(3 credits) 4 hours lecture, 1 hour lab

Continuation of Chinese 1105.

Prerequisite: Chinese 1105 or consent of the department.

**CHIN 2217 – Chinese Civilization**

(3 credits) 3 hours lecture

Discussion of the principal trends in the development of the Chinese civilization and its place in the Asian setting.

Note: This course is taught in English and no knowledge of Chinese is required.

**CHIN 3199, 4199 – Directed readings**

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

CHILD STUDIES (CHST)

CHST 3101 – Foundations of Interdisciplinary Professional Practice

(3 credits) 3 hours lecture

This course will build upon foundations laid in the chosen major (e.g., Child and Youth Care Counsellor or Early Learning and Child Care) in the degree program. In addition to preparing graduates for practice in the field of child studies, this course will also provide opportunities for students to learn from one another through shared perspectives and experiences. The course will include such topics as professional roles, ethical responsibilities, professional identity, and group/team effectiveness.

Prerequisite: Child and Youth Care Counsellor 2242 or Early Learning and Child Care 2285.

CHST 3103 – Child Development and Plasticity

(3 credits) 3 hours lecture

This course will explore the emerging theories of early and adolescent brain development and the implications for human development across the life span. Topics will include: early and adolescent brain development, brain plasticity, adverse childhood experiences, resiliency in the face of risk, and parenting perspectives. This course will build on previous courses in development and support students to apply this knowledge to their work with diverse children and families and in knowledge dissemination.

Prerequisite: One of Early Learning and Child Care 1209 or 2209 or Psychology 3351 or 3355.

CHST 3105 – Child and Youth Human Rights

(3 credits) 3 hours lecture

This course will examine prevailing issues pertaining to child and youth human rights, within the context of the United Nations Convention on the Rights of the Child. Topics will include promotion of the convention as well as protection, provision, and participation rights. This course will assist in preparing students to work effectively with a diverse range of children, youth, and families by increasing knowledge and skills of human rights advocacy and considering implications for professional practice and social policy in Canada.

Prerequisite: Child and Youth Care Counsellor 1232 or 2232 and Child and Youth Care Counsellor 2242 or Early Learning and Child Care 2285.

Note: Only one of Child Studies 2203 or Child Studies 3105 can be used to satisfy program requirements for the Bachelor of Child Studies.

CHST 3107 – Principles of Program Design

(3 credits) 3 hours lecture

This course will focus on the development of programs in a variety of settings where students may work with diverse children, youth or families. Students will develop skills related to assessment (e.g., needs assessment), planning and implementing a program plan and then program evaluation. In addition, students will develop the leadership skills necessary to engage in community networking that may be required for program design and implementation.

Prerequisite: Child and Youth Care Counsellor 2226 or Early Learning and Child Care 2121.

CHST 3202 – Community Based Research and Evaluation

(3 credits) 3 hours lecture

This course will enable students to develop the knowledge and skills necessary to plan and conduct effective research in community based settings. Students will develop techniques related to community based research (e.g., surveys, needs assessment). Students will develop skills to conduct program evaluation: develop appropriate tools, collect data, analyze data and use the data for the purposes of program improvement.

Prerequisite: Child Studies 3107.

Note: Only one of Child Studies 3202 or Child Studies 4403 can be used to satisfy the program requirements for the Bachelor of Child Studies.

CHST 3204 – Leadership and Collaboration

(3 credits) 3 hours lecture

Students will be introduced to leadership fundamentals, including why leadership matters, what leadership means, who leadership is for and how leadership skills can be developed in the unique role of leaders in human service programs. Students will explore theories and practices of leadership, how to team build, manage change and collaborate with others.

Prerequisite: Child and Youth Care Counsellor 2242 or Early Learning and Child Care 2285 with a minimum grade of C.

CHST 3206 – Practicum III

(3 credits) 3 hour seminar, 200 hours practicum

Students will have the opportunity to complete a practicum in a community agency to develop specific skills required to work with diverse children, youth and families. In addition to the provision of direct service, students will be involved in interdisciplinary practice, program development and evaluation, collaboration and leadership where appropriate. Students will have the opportunity to integrate theory and practice through seminars and supervised experiences.

Prerequisite: Child Studies 3101 and 3204 with a minimum grade of C.

CHST 4103 – Mental Health Interventions

(3 credits) 3 hours lecture

This course will transition students' understanding of child and adolescent mental health from a general definition and characteristic domain towards a more specific understanding of the mental health impact on the biopsychosocial well-being of the individual. Students will learn to interpret mental health disorders within the context of agents of socialization.

Prerequisite: Child Studies 3103.

CHST 4105 – Studies in Systems and Social Policy

(3 credits) 3 hours lecture

In this course, students will examine current provincial legislation and policies most relevant in working with children, youth and families in Alberta. A review and analysis of social problems, policies and systems as they apply to the development and delivery of applicable local, regional and provincial services will occur.

Prerequisite: Child Studies 3105.

Note: Only one of Child Studies 3301 or Child Studies 4105 can be used to satisfy the program requirements for the Bachelor of Child Studies.

CHST 4204 – Contemporary Issues in Child Studies

(3 credits) 3 hours lecture

The children and youth of today are growing up in a world of complexity, multiple perspectives, and unprecedented technological growth. In order to respond with clarity and compassion to the ever changing needs of children, child studies graduates will need to emerge with an enhanced self awareness along with deep understandings of, and openness to, diverse viewpoints. This course will address a variety of issues (e.g., gender, media, parenting, bullying, diversity).

Prerequisite: Child Studies 3206.

CHST 5101 – Capstone I

(3 credits) 3 hours lecture, 100 hours fieldwork

Using principles and tools acquired throughout previous courses, students in this course will participate in a combination of internship, community based research project or innovative community initiative for their final applied capstone project. Working with a faculty member and community member, students will assess community needs and assets to collaborate on the development of a project and/or program plans. Students will capture and communicate observations, reflections and lessons learned, concluding the course with a poster presentation and in-class presentation, learning journal and final integration paper highlighting theories connected to the work.

Prerequisite: Child Studies 3202 and 3206 with a minimum grade of C.

Note: Students are strongly recommended to take CHST 5101 and CHST 5202 consecutively in the same academic year.

CHST 5202 – Capstone II

(3 credits) 3 hours lecture, 100 hours fieldwork

Using principles and tools acquired throughout previous courses, students in this course will participate in a combination of internship, community based research project or innovative community initiative for their final applied capstone project. Working with a faculty member and community member, students will assess community needs and assets to collaborate on the development of a project and/or program plans. Students will capture and communicate observations, reflections and lessons learned, concluding the course with a poster presentation and in-class presentation, learning journal and final integration paper highlighting theories connected to the work.

Prerequisite: Child Studies 5101 with a minimum grade of C or consent of the department.

CLASSICS (CLAS)

CLAS 1111 – The Technical Terms of Medicine and the Life Sciences

(3 credits) 3 hours lecture

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

CANADIAN STUDIES (CNST)

CNST 1131 – Introduction to Canadian Studies

(3 credits) 4 hours lecture

This course introduces students to the diversity and complexity of Canadian society. Popular culture, art, music, politics, the economy, regionalism, and ethnic relations are some of the topics that may be examined. This course also addresses issues such as identity, difference, nationhood and patriotism.



CNST 2221 – Music in Canada: A Social History

(3 credits) 3 hours lecture

This course addresses the history and development of music in Canada. While the course will focus primarily on Canadian popular music during the twentieth and twenty-first centuries, attention will be paid to the diverse influences that have shaped Canada's musical heritage, especially those from Europe and the United States.

CNST 2233 – Canada in Comparative and International Perspective

(3 credits) 3 hours lecture

This course offers the opportunity to examine and compare Canada, from a variety of perspectives, to one or more countries in the world. The specific content of the course will vary by term and instructor. Possible topics include popular culture, health care, legal systems, and military history.



CNST 3730 – Canadian Issues in Context

(3 credits) 3 hours lecture

This course uses a multi-disciplinary perspective to explore contested meanings of nationalism and Canadian identity. Although the issue may vary from semester to semester, the course will focus on how Canadian identity has been formed, challenged, and remade.



Prerequisites: One of General Education 1101, 1102, 1103, 1201, 1202, 1203, 1301, 1303, 1304, 1401, 1403, or 1404.

CNST 3199, 4199 – Directed readings

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

COMMUNICATIONS (COMM)

COMM 1401 – Digital Audio Production

(3 credits) 1 hour lecture, 3 hours lab

Broadcast Media Studies students will be introduced to the fundamental theories and practices of digital audio production as it pertains to radio, television, and internet-based multimedia elements. The history and evolution of production techniques will be covered from its roots in traditional oral storytelling, to the latest creative approaches, to the use of sound.

COMM 1402 – Writing for Digital Audio

(3 credits) 1 hour lecture, 2 hours tutorial

Students will learn the distinct approaches and nuances of writing for the listening audience, whether for traditional broadcast radio, or for internet or mobile applications. A range of narrative styles and forms will be introduced. News, commercial and creative programming will form the basis of the content students will write and produce.

COMM 1404 – Digital Video Production

(3 credits) 1 hour lecture, 3 hours lab

This course provides students with an overview of technical theory in video production for television and multimedia. Students will learn best-practice fundamentals for working with software and equipment, and come to understand the critical role production plays in broadcast storytelling.

COMM 1405 – Writing for Digital Video

(3 credits) 1 hour lecture, 2 hours tutorial

This course will introduce students to the principles of storytelling for television and digital video, tracing its theoretical development and its application to broadcast and web-based media. Different creative styles and forms of content including news, current affairs, corporate communications, advertising and other programming genres will be examined.

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 I

(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

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 Corequisites: 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.

COMM 1700 – Journalism in Society

(3 credits) Blended delivery, 2 hours lecture and 1 hour online and/or may be offered online

Journalism is a product of social interaction and is shaped by a range of societal forces. Through a focus on the concept of the news agenda, students will consider the nature of news, the structures and conventions that shape how journalists gather and present news, the role news plays in democratic societies, the importance of ethical and professional practice considerations, and the influence of external 'voices' on the decisions journalists make daily.



COMM 1707 – Journalism Elements

(3 credits) 3 hours lecture/tutorial combined; or in a blended format of 2 hours lecture/tutorial combined, and 1 hour online

This course introduces students to key practices of the contemporary practice of journalism. Work will focus on reporting and writing stories on people, events, and issues in local communities, and on developing a critical understanding of key aspects in the reporting and writing of news. An online course component will provide support for student work and forums for student discussion.

COMM 1709 – Journalism Practice & Theory

(3 credits) 3 hours lecture/tutorial combined; or in a blended format of 2 hours lecture/tutorial combined, and one hour online

Having been introduced in Communications 1707 and 1727 to the multifaceted and multi-disciplinary nature of contemporary journalism, student journalists will complete significant projects for publication in print or mixed media journalism while linking key critical theoretical understandings to their own practices. An online course component will provide support for student work and forums for student discussion.

Prerequisites: Communications 1707 and 1727.

COMM 1720 – Introduction to Digital Media

(3 credits) 3 hours lecture and tutorial combined, and/or may be offered online

Digital media is everywhere. From social media sites to print and web-ready graphics and pages, digital media encompass a wide variety of forms and content. Both creating and analyzing this content requires an array of skills. Students in this course will both develop/design media components, and reflect upon timely digital media topics, ultimately examining the vital role digital media play in modern society and students' own lives.

COMM 1727 – Introduction to Visual Journalism

(3 credits) 90-minute lecture, 90-minute tutorial & two 30-minute labs

This course introduces students to key practices in photo, audio, and video journalism, and the application of acquired skills in reporting and producing stories in local communities, while also developing a critical understanding of key aspects in the production of visual journalism.

COMM 1728 – Journalism Projects

(3 credits) 90-minute lecture, 90-minute tutorial, two 30-minute labs
Grounded through Communications 1707 and 1727 in the main elements of contemporary journalism in multiple media, students will undertake projects in audio, video or photojournalism or in multimedia journalism for online broadcast or publication, while applying key critical theoretical understandings to their own practices.

Prerequisites: Communications 1707 and 1727.

COMM 1841 – Introduction to Public Relations

(3 credits) 2 hours lecture, 1 hour tutorial

This course will provide students with an overview of the field of public relations and environments in which practitioners work. Public relations will be considered from the perspective of human communication theories. Students will also learn the history and role of public relations in different organizational settings, and all key components of the public relations process from both a theoretical and practical point of view. Issues facing the practitioner and the industry will also be discussed.

COMM 1845 – Interpersonal Communications

(3 credits) 3 hours lecture

This course introduces the fundamentals of interpersonal communications with a focus on 'influencing with integrity'. Students will practice communicating one-on-one and in small groups; learn effective listening and conflict resolution skills; appreciate differences in others; and examine personal values, intentions and behaviours.

COMM 1849 – Applied Writing I for Public Relations

(3 credits) 2 hours lecture, 2 hours tutorial

This course will introduce students to intermediate-level elements of writing for specific communications disciplines. Considerations of audience, purpose and technique in media will be examined for a variety of writing assignments in public relations.

COMM 2400 – Broadcast Media Law and Ethics

(3 credits) 3 hours lecture

This course explores the legal and ethical issues routinely faced by broadcasters in the production of advertising, programming and news content, including freedom of expression, graphic imagery, privacy concerns and issues of influence.

COMM 2401 – Digital News Gathering

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

Through course work and assignments, students will develop research, interviewing, reporting, writing and presentation skills using digital news gathering equipment and techniques. Students will apply these skills to radio, television and internet productions such as newscasts, current affairs programs, and university sports coverage.

Prerequisites: Communications 1401, 1402, 1404, 1405 and 2400.

COMM 2402 – Media Marketing and Advertising

(3 credits) 3 hours lecture

This course covers the theory and practice of marketing and advertising in the media industry including audience demographics, branding and promotion. Course work will include research, case studies and campaign development.

Prerequisites: Communications 1401, 1402, 1404, 1405 and 2400.

COMM 2404 – Digital Advertising Production

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

Following on other course work in the program, students will further enhance their abilities to produce in-studio and on-location audio and video advertising projects. Students will develop practical writing and operational skills, and will concentrate on client relations and director and producer roles and responsibilities.

Prerequisites: Communications 1401, 1402, 1404, 1405 and 2400.

COMM 2405 – Broadcast Presentation

(3 credits) 1 hour lecture, 2 hours tutorial

In order to achieve an understanding of performance for audio and video, this course introduces students to broadcast media presentation including styles and demographics, and the physiology of vocal work. Students will develop their own voice/presentation potential for broadcast media, as well as learn to guide and direct the vocal/presentation talents of others.

Prerequisites: Communications 1401, 1402, 1404, 1405 and 2400.

COMM 2500 – Introduction to Communication Studies

(3 credits) 3 hours lecture and tutorial combined and/or in a blended delivery format or entirely online

When we consume information or communicate with others we are sharing and assessing facts, ideas, opinions, and biases. In doing so we are developing a sense of who we are as individuals, and we're also making decisions about how our world functions. This course will introduce students to the discipline of Communication Studies, and permit examination of a range of communication theories, which describe these dynamic social and personal processes.

COMM 2501 – Media History and Contemporary Issues

(3 credits) 3 hours lecture and tutorial combined, and/or in a blended delivery format or entirely online

An introduction to the key ideas and events in the history of media. The development of professional communication is examined. Significant issues and opportunities influencing contemporary communication environments will likewise be explored.



COMM 2503 – War & Media: The Evolution and Impact of News From the Front Lines

(3 credits) 3 hours lecture

The course will examine how media coverage of war has evolved from the 1850s through to the present day, its influence and significance, and the degree to which it has (or perhaps has not) served the public good. It will also examine the fundamental tension between the media's quest for openness, and governments' inclination towards secrecy in the name of preserving operational security. Students will delve into the historical and social context of a number of conflicts, and encounter such iconic figures as Winston Churchill, Ernest Hemingway, Martha Gellhorn, Robert Capa and Sebastian Junger. Students will be immersed in these journalists' first-hand accounts from the front lines in the form of writings, radio clips, television footage, photography, documentaries, blogs and other elements of social media. These will be studied to gain a fuller understanding of the physical, technical and ethical difficulties (such as censorship and military/political pressure) that journalists face when assembling their first draft of history.



COMM 2663 – Rhetoric

(3 credits) 3 hours lecture

This course gives students the opportunity to refine their writing skills by applying the principles of rhetoric and stylistics. To this end, analysis of such realms of discourse as advertising, magazine articles, fiction, political speech and debate will be emphasized to understand how these forms of communication achieve their effects. The rhetorical analysis of texts will, moreover, apply to students' own writing. Rhetorical theory and application will, in other words, be closely linked to ensure that students understand, through practice, the stylistics resources available in language that make ideas clear, cogent and compelling.

COMM 2666 – Typography

(3 credits) 2 hours lecture, 2 hours lab

Introduction to the topic of typography and examination of the role of type in visual communication and information design through normative and conceptual relationships. Topics will include principles of typography and layout, concept development, and the historical foundations of typography. Students will use typographical principles and methods of visual organization to solve assigned communication problems.

Prerequisites: Communications 1600, 1610 and 1620.

COMM 2667 – Information Architecture

(3 credits) 3 hours lecture

Introduction to the principles and best practices of effective information design for both print and electronic media. The course includes such topics as information types, information categorization and hierarchies, types of organizational patterns, message and document genres, structural markup languages, structured information design and technologies, content management, and single sourcing.

Prerequisites: Communications 1661 and 1600.

COMM 2670 – Tools for Information Designers II

(3 credits) 2 hours lecture, 1 hour tutorial

Discussion of, and practice with, programming techniques with emphasis on web-based applications. Elements of good style and usability are introduced.

Prerequisite: Communications 1610.

COMM 2673 – Introduction to Digital Layout

(3 credits) 2 hours lecture, 2 hours lab

An introduction to digital layout and presentation graphics. Students will learn how to develop and organize information to be used for a variety of print media. A series of problems based on the relationship between typography and imagery will be assigned.

Prerequisites: Communications 1620, 1610 and 2666.

COMM 2680 – Intercultural Communication in Information Design

(3 credits) 3 hours lecture

This course serves as an introduction to the field of intercultural communication and the cultural aspects and effects of information design. This course considers the field of social semiotics and the theoretical and practical study of these cultural aspects in areas including, but not limited to, discourse in place, social semiotics and the grammar of visual design.

Prerequisites: Communications 2666 and 2667.

COMM 2803 – Applied Visual Communication for Public Relations

(3 credits) 3 hours lecture

Communications 2803 is a survey of major issues, techniques, and strategies in visual communications. Principles of graphic communication, design and layout will be applied to the production of a variety of print-based media including newspapers, newsletters, reports, manuals and brochures, using current computer-based page-layout and graphics programs. Typography and the uses of paper as they affect the options for printing processes will be examined and applied.

Prerequisite: Consent of the department.

COMM 2845 – Financial Public Relations

(3 credits) Blended Delivery - 2 hours lecture, 1 hour online tutorial

This course introduces students to the practice of financial public relations and the environments in which practitioners operate. Students explore the relevance of financial communication and its importance in building and maintaining relationships with key constituents. Through interactive and applied activities the course challenges students to consider the communication tools, trends and ethical perspectives involved in this practice area.

Prerequisites: Communications 1841 and 1849.

COMM 2849 – Applied Writing II for Public Relations

(3 credits) 2 hour lecture, 2 hours tutorial

In this course, students move beyond the basics of public relations writing to explore writing for publication and specific genres including employee communication, briefs, feature writing, report writing, pitches, and corporate profiles. Students will continue to hone their research, writing, editing and interviewing skills.

Prerequisite: Communications 1849.

COMM 3401 – Diversity in Media

(3 credits) 3 hours lecture

Students will be exposed to theoretical perspectives on the ways culture, race, religion, gender and other lines of difference shape media discourse. Given Canada's history and legislated commitment to multiculturalism in broadcast media, students will explore the forces that affect how marginalized groups are represented in media and examine strategies to ensure equitable coverage.

Prerequisite: Communications 2400.

COMM 3403 – Multimedia Content Production

(3 credits) 1 hour lecture, 2 hours tutorial

Students study different formats of programming for video, radio/audio and podcasts outside the news genres. The production of current affairs, talk, drama and comedy shows will be examined. Students will apply theories learned in class to programs they develop, write and produce themselves.

Prerequisites: Communications 2400, 2401, 2404 and 2405.

COMM 3404 – Senior Roles in the Digital Newsroom

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

This course will emphasize the responsibilities associated with newsroom leadership roles such as news director, anchor, host, assignment editor, and producer. Students will oversee radio/TV/internet productions of newscasts, current affairs programs, and university sports coverage. Principles of newsroom management, including story vetting, assignment, line-up, program development, and formatting, will be stressed. Students in this course will oversee newsroom operations and generally collaborate with second-year classmates in COMM 2401 – Digital New Gathering.

Prerequisites: Communications 2401 and 2405.

COMM 3405 – Multimedia Content Management**(3 credits) 1.5 hours lecture, 1.5 hours tutorial**

Content management for media producers is growing ever more complex and sophisticated. The utilization of social media to build audience and monetize content is vital to sustainability. Different platforms lend themselves to different approaches to content. This class will use discussion and analysis of multiple media content systems as well as experiential learning methods to understand concepts. Students will develop skills necessary for implementing a multimedia content strategy.

Prerequisites: Communications 2400, 2401, 2404 and 2405.

COMM 3500 – Media, Culture and Communication Theory**(3 credits) 3 hours lecture and tutorial combined**

This senior level course examines the role of communications in creating and explaining everyday cultural practices, and the larger systems that structure them. Students will consider multiple theories of communication, derived from various perspectives, to address the concept of subjectivity, and how the communication of information and ideas shapes our understanding of, and response to, our social and personal environments. Students will apply theories to specific artifacts and/or issues that they have defined and researched.

Prerequisite: Communications 2500.

C4
T3**COMM 3501 – Intercultural Communication****(3 credits) 3 hours lecture and tutorial combined**

Intercultural Communication examines communication among individuals of different cultural backgrounds, including the study of similarities and differences across cultures. The course will introduce students to key intercultural communication topics: communication and culture, linguistic differences, ecological influences on culture, the dimensions of cultural difference, stereotyping, and intercultural encounters, culture shock and adaptation.

Recommended Preparation: Communications 2500 and/or Communications 2501.

C4
T3**COMM 3503 – Communication in Organizations****(3 credits) 3 hours lecture**

This course is designed to help students think critically about communication in the context of organizations and the cultural components that affect communication effectiveness. Through theory-based lectures and experiential exercises, students will better understand the nature, goals, strengths and limits of organizational design.

Prerequisite: Communications 2500.

C4
T3**COMM 3511 – Information Media****(3 credits) Blended delivery - 2 hours lecture, 1 hour online tutorial**

Almost daily, we're presented with new information sharing technologies that demand our attention, make demands on our time, and challenge and change our use of information and technology. Students in this course will consider current trends and issues in information imparting and information sharing technologies using the Internet as a place to go and a place to investigate.

C4
T3**COMM 3513 – Media, Influence and Power****(3 credits) 3 hours lecture/tutorial combined**

Media organizations can be large and powerful in their own right, but they are also subject to influence by other societal institutions such as political and business elites. Students in this course will consider how the media and these other institutions use power, how they influence one another, and the cultural impact of these relationships.

Prerequisite: One of Communications 1700, 2500 or 2501.

C4
T3**COMM 3515 – Media Futures****(3 credits) 3 hours lecture and tutorial combined**

Dramatic change is a constant in the world of media. Traditional media such as newspapers, TV networks and radio stations need adapt to the growth in web-based media including blogs, YouTube and Facebook. Moreover, every medium is converging with every other medium, every screen is merging with every other screen – the cell phone being just one example. This course will examine the extraordinary impacts these changes are having on media, journalism and our democratic and cultural life.

Prerequisite: One of Communications 1700, 2500, 2501 or 3705.

C4
T3**COMM 3521 – The Documentary****(3 credits) Blended delivery (2 hours lecture and 1 hour online) or entirely online**

This course examines the documentary form in cinema and television. Students will consider the history of the documentary, its role in Canadian visual production development, and the different styles and impacts of the documentary.

Recommended preparation: Communications 2501 or Film Studies 1143.

C4
T3**COMM 3600 – Usability****(3 credits) 2 hours lecture, 2 hours lab**

Study of the relevant research and practical application of usability testing as part of product development. Students will address complex information design issues and problems including legal documents, business forms, diagrams, transportation maps, statistical information, charts, graphs and tables, instructional materials, way finding systems, and computerized information systems. The course includes strategies for planning, conducting, and analyzing a test. Teams will conduct an expert (heuristic) evaluation and report results from an actual test in a usability lab using industry standard format.

Prerequisites: Communications 2667 and 2670.

COMM 3605 – Research in Information Design**(3 credits) 3 hours lecture**

Introduction to research methods used by practitioners and scholars in information design. Students explore the relationship between theory and research and learn how to design and carry out empirical studies using both quantitative and qualitative methods. Emphasis is placed on the research methods used in workplace settings to design user-centered information products and to test their usefulness and usability.

Prerequisite: Communications 1600.

COMM 3610 – Visual Communication for Information Designers I**(3 credits) 3 hours lecture**

Introduction to the principles of visual communication in the context of information design. The theoretical and historical issues of organizing and visualizing statistics, number, and/or complex relationships will be explored. Emphasis on conceptualization, visual diagramming, and analysis of subtle visual relationships including design and use of photographs and other pictorial materials will be developed, and current approaches to typography are examined.

Prerequisites: Communications 1620, 1610 and 2666.

COMM 3611 – Visual Communication for Information Designers II**(3 credits) 3 hours lecture**

This course builds upon the foundation established in Visual Communications I. Students explore advanced topics in effective graphic design in the context of information design.

Prerequisite: Communications 3610.

COMM 3620 – Document Production I

(3 credits) 2 hours lecture, 2 hours lab

This course focuses on the basic principles of document production relating to the principles of publishing. Publishing principles and practices, marketing problems, distribution methods and informational systems and techniques are examined. Students will be expected to produce a variety of documents and publications.

Prerequisite: Communications 3600

Corequisites: Communications 3611 and 3670.

COMM 3665 – Technical Writing II

(3 credits) 3 hours lecture

Introduction to intermediate-level elements of technical writing. Consideration of audience, purpose and technique in print and electronic media will be examined for a variety of writing needs. Technical communication business practices are also examined.

Prerequisites: Communications 1661 and 2667.

COMM 3670 – Project and Content Management

(3 credits) 3 hours lecture

Introduction to project and content management. Content includes concepts, principles, and the inputs, outputs, tools and techniques necessary to take a project from inception to completion. Projects will be developed that are specific to the communication professions.

Prerequisites: Communications 1600, 1841 or 1707.

COMM 3680 – Game Design

(3 credits) 3 hours lecture, 1 hour tutorial

This course focuses on the design and implementation of interactive computer games. Communications students will work with computer information systems students to produce a working game. This course will run concurrently with COMP 4555.

Prerequisites: Communications 2670 or Marketing 3550 or consent of the instructor.

COMM 3705 – Reporting News

(3 credits) 3 hours, lecture and tutorial combined

In their role as staff reporters for the journalism program community newspaper, students will practice reporting and writing news stories for print publication, and writing about the community, arts, business, and sports among a range of other news beats. CP Style, pitching stories, updating stories, and editorial responsibility will also be discussed and practiced.

COMM 3707 – News Reporting

(3 credits) 3 hours lecture/tutorial combined

In their role as staff reporters in the journalism program's community newsroom, students will practice reporting and writing for print and online publication, with a focus on generating effective story ideas, while reflecting on ethical practice and demonstrating editorial responsibility.

Prerequisite: Communications 1709 and 1728.

COMM 3709 – News Editing and Reporting

(3 credits) 3 hours lecture/tutorial combined

Student journalists in this course, in context of their work with the journalism program community newspaper, will consider more formally the role of editors, while continuing to develop their own reporting skills. Copyediting, section editing, and content planning will be discussed and practiced.

Prerequisite: Communications 3707.

COMM 3717 – Specialized Writing for Journalism

(3 credits) 3 hours lecture and tutorial combined, and/or may be offered online

Journalists need to present information to a variety of audiences and in a variety of ways. Students in this course will consider and practice such forms as longform writing, in-depth profiles, editorial writing, and personal column writing.

COMM 3720 – Graphics Reporting & Digital Design

(3 credits) 2 hours lecture, 2 hours lab

Visualizing media is much more than just type and images on a page or website. Graphics reporting – researching and visualizing complex information and data so it's accessible to audiences – requires an understanding of visual literacy, mastery of basic design principles, commitment to accuracy, and movement between creative and functional designs. Students in this course blend theory and practice to create effective digital media components such as infographics, page layouts, and interactive web elements. Tools such as the Adobe Creative Suite, basic HTML/CSS, content management systems, and/or various freeware will be used.

Prerequisite: Communications 1720.

COMM 3727 – Visual Journalism II

(3 credits) 3 hours lecture/tutorial combined

Student journalists in this course will advance their multimedia production skills, while producing photographs and audio/visual elements to complement their reporting for the Calgary Journal in print and online.

Prerequisite: Communications 1728.

COMM 3729 – Online Journalism

(3 credits) 2 hours lecture and 2 hours tutorial

Student journalists in this course will plan, produce and edit a range of original online journalism for publication, while also considering the expectations and needs of Internet news users.

Prerequisite: Communications 3705 or 3709.

COMM 3735 – Ethics, Law and Media

(3 credits) 3 hours lecture or blended delivery

This course considers ethics and law in relation to the media, and how media law and ethics are linked to democracy, public trust, the digital environment and citizenship. As with all everyday decision-making, both media ethics and law involve weighing competing interests and potential benefits and harms. The media, when weighing these, are often faced with privacy concerns or other barriers that impede the public's right to know about things that impact them. The course aims to equip students with a basic understanding of the justice system, as well as an enriched daily decision-making process with which to think through the moral, ethical and legal dilemmas that may confront them as they work in – or consume – various forms of media.

COMM 3737 – Research Design and Methodology

(3 credits) 3 hours lecture or blended delivery

Journalists are presented daily with the results of polls, surveys, clinical trials and other research projects by individuals and organizations seeking to have this information published or broadcast. Students in this course will consider structural and ethical aspects of how such projects are organized, including issues of reliability and generalization, and an array of theoretical and epistemological approaches used to conduct research in the social sciences.

Prerequisite: Communications 2500.

COMM 3740 – Audio/Visual Storytelling

(3 credits) 2 hours lecture, 1 hour tutorial, may be combined or scheduled separately

Student journalists in this course will develop and produce audio/video news stories involving extensive practice in all facets of the story generation and production process. Work done in lectures and tutorials will focus on the goals and principles of digital media storytelling in context of current journalism practice and contemporary technology.

Prerequisites: Communications 3709 and 3727.

COMM 3747 – Audio/Visual Storytelling for Online Media

(3 credits) 2 hours lecture, 1 hour tutorial, may be combined or scheduled separately

Working as online contributors, student journalists in this course will collaborate with senior student editors and produce video, audio, and multimedia stories for CalgaryJournal.ca, the journalism program's online community news service. Best practices for integrating audio/video/multimedia content in the evolving online journalism landscape will also be explored.

Prerequisite: Communications 3740 or 3744.

COMM 3759 – The Business of Media (formerly COMM 4759)

(3 credits) 3 hours lecture or blended delivery

Revenue generation and entrepreneurial innovation are essential to the financial health of today's media companies. Students will consider effective practices and issues raised in such areas as budgets, branding, audience development, advertising sales, and entrepreneurial activities such as crowd-sourcing.

Prerequisite: Communications 2501.

COMM 3777 – Project and Content Development

(3 credits) 3 hours lecture

As preparation for completion and in advance of professional communication projects in the Journalism program's final year, students will learn and engage in advanced research, planning and project management skills. The course will allow students to develop a comprehensive plan for their capstone semesters by identifying clear goals and designing detailed frameworks for professional-grade artifacts in their media portfolios.

Prerequisites: Communications 3737 and 3709.

COMM 3797 – Special Topics in Journalism

(3 credits) 3 hours lecture and tutorial combined

The content of this course will vary according to the needs and goals of the specific student group involved, but will offer material appropriate to the consideration of new forms of media and their impacts.

Prerequisite: Consent of the program.

COMM 3799 – International Journalism Projects

(3 credits) 3 hours tutorial and production lab

The content of this course will be based on journalism project work completed in an international context, and result in the production of journalism products appropriate to the needs and goals of the specific student group involved.

Prerequisite: Consent of the department.

COMM 3841 – Media Relations

(3 credits) 1 hour lecture, 2 hours tutorial

This course examines the relationship between public relations and the media. Through work on a client project, students learn about the importance of strategic media planning in both traditional and online environments and practice writing public service announcements (PSAs), news releases, feature articles and creating media kits. Students participate in a mock news conference and receive media training.

Prerequisites: Communications 1841, 1849 and 2849.

COMM 3843 – Communication and Organizational Culture

(3 credits) 3 hours lecture

This course is designed to help students think critically about communication in the organizational context. Through theory-based lectures and experiential exercises, students will better understand the nature, strengths and limits of organizational design, the nature of metaphor and its usefulness in describing organizational management, and how to apply theory learned in the classroom in the practice of public relations.

Prerequisites: Communications 1841 and 1845 or consent of the department.

COMM 3847 – Public Relations Management

(3 credits) 2 hours lecture, 2 hour tutorial

Building on the introduction to public relations course and research methods course, students learn the fundamentals of public relations program planning. The course begins with theory, case study analysis and discussion, and ends with teams planning, executing and evaluating a client based public relations initiative. Students conduct research, analyze target audiences and messages to be delivered, undertake budgeting and scheduling activities, and evaluate the results.

Prerequisite: Communications 1841 and 3855.

COMM 3851 – Computer Mediated Communication

(3 credits) 1 hour lecture, 2 hours tutorial

This course introduces public relations students to on-line/digital communication in both the classroom and the computer lab. Participants learn to use the technologies and understand them sufficiently to advise others on their applications, strengths and weaknesses. Students become familiar with digital uses for Internet and social applications as they relate to communications.

Prerequisites: Communications 2803 or consent of the department.

Recommended Preparation: Computer Science 1103 or equivalent.

COMM 3855 – Research Methods for Public Relations

(3 credits) 4 hours lecture

This course develops competence in major forms of research including the use of surveys, focus groups, content analysis, and the use of existing information accessed through libraries, online databases, and other computer-based search tools. Elements of descriptive statistics as they apply to the analysis of survey design are reviewed. The course provides instruction and hands-on practice in conducting communications research and communicating the findings as a fundamental part of the public relations profession.

Prerequisites: Communications 1841 and 2849.

COMM 3860 – Government Public Relations

(3 credits) 3 hours lecture

In this course students will explore the critical role strategic public relations plays as organizations seek to inform and influence government policy-making processes and outcomes as well as examining the public relations function within government. Students will monitor current issues facing organizations; examine the theory, practice and context of government relations; and understand what it takes to create and manage an effective government relations program.

Prerequisites: Communications 2849 and 3841.

COMM 3865 – Strategic Social Media for Public Relations

(3 credits) 3 hours lecture

In this course students will examine the rich and complex picture of social media and the critical role strategic social media plays in the organizational public relations function. This course applies social media strategies to public relations for government, non-profit, corporate and agency sectors. It challenges students to understand the framework for transitioning social media from the personal to the organizational voice and to respond strategically to the way an organization's audience connects, collaborates and builds relationships online. It focuses on strategic analysis and organizational integration of social media objectives through public relations strategies.

Prerequisites: Communications 1841 and 3855 or consent of the program.

COMM 3890 – Special Topics in Public Relations

(3 credits) 3 hours lecture

This course provides an examination of selected topics designed to address critical or emerging trends in public relations. As this is a variable content course, the specific topic will be announced and advertised each semester it is offered. Students may not receive credit for this course more than once.

Prerequisites: Communications 4890 or consent of the program.

COMM 4490 – Broadcast Workplace Preparation Seminar

(non-credit) 1.5 hours lecture

This mandatory zero-credit preparation seminar for the student's work experience term will examine conditions and issues, which may arise in the workplace, and the responsibilities and rights of employers and employees. Potential employers and broadcast media practitioners will be invited to present their perspectives and expectations. Students develop résumés, portfolios and prepare to apply for work opportunities in a subsequent semester.

COMM 4491 – Broadcast Media Work Experience (Required)

BMS students will hone their understanding of the media industry and the skills already learned by undertaking at least 450 hours of full-time work (normally completed over a 12-week period) in an approved professional communications position. These zero-credit work placements may range from traditional television and radio stations to digital media operations, to corporate communications, internet start-ups and non-profit organizations. Successful completion with a grade of Experiential Pass is required for graduation purposes.

Prerequisites: Communications 1401, 1402, 1404, 1405, 2400, 2401, 2404, and 4490; or departmental approval.

COMM 4501 – Roles and Practices in Contemporary Communications

(3 credits) 3 hours lecture and tutorial combined

Contemporary work environments in communication are evolving. Changes in technologies, workforce demographics, business models, audience relationships, regulatory regimes, social norms and other factors affect how communicators work, and precisely the work they do. This senior course focuses on problem based learning. Working together, students from all Bachelor of Communication degree streams will examine and reflect on the origins, character and implications of changes in the contemporary communicator's work. Students' investigations will result in major, team based, public presentations.

Prerequisite: One of Communications 4690, 4790 or 4890.

COMM 4620 – Document Production II

(3 credits) 2 hours lecture, 2 hours lab

This course covers the production function, the purchasing of paper, printing and distribution – typically half the total costs of operating a magazine. Topics include minimizing paper waste, the advantages of offset and rotogravure printing, the effect of makeup on readership and costs, and setting distribution strategies. Students will be expected to produce a magazine in print and e-zine formats.

Prerequisite: Communications 3620.

COMM 4650 – Special Topics in Info Design: Critical Design (3 credits) 3 hours lecture/tutorial combined

Information design pervades and shapes our world. In this course, students will learn to observe, analyze, and critique how design shapes our relationships, dictates our actions, inscribes values, and sediments privilege. The course will combine cultural analysis and critical theory with information design practice. Students will work in small groups to identify a local issue, and then propose, defend, and implement a project that is meant to act as an intervention to the issue. Students will work in dialogue with those concerned with the focal issue, and learn to adapt their design practices through participation and critical reflection. Each week the course will mix lectures, studio practice, and significant out-of-class project work.

Prerequisites: Communications 3600, 3605, and 3611, or consent of the department.

COMM 4665 – Instructional Design

(3 credits) 3 hours lecture

Course introduces and applies systematic instructional design and instructor-led training. Students will study a major model of instructional design and apply it to develop and refine a unit of instruction. Students will prepare and deliver a training lesson, participate in team instructional design activities, and evaluate the training developed and presented by other students.

Prerequisite: Communications 3600.

COMM 4679 – Issues in Communications: Ethics and Law (3 credits) 3 hours lecture

Building on work done in previous courses, and students' work experience, this course focuses on key ethical issues and the law facing information designers. The course examines the historical foundation of ethics and explores different models for defining issues, interests and values relating to the ethical issues confronting information designers.

Prerequisites: Communications 4501 and satisfactory completion of Work Term I.

COMM 4680 – Portfolio

(3 credits) 2 hours lecture, 2 hours lab

The portfolio as a professional tool for information designers. The course includes portfolio and writing theory along with a collaborative workshop environment. Students develop a professional portfolio based on course project, internship experiences, and/or work history. In addition, students write a reflective paper examining their growth and maturity as information designers. Interviewing techniques, resume writing, and the job search process are included in the course. The student portfolio demonstrates the ways in which students have acquired and achieved the learning outcomes of the Bachelor of Communication degree program. Portfolio items are products created in all core courses in the program. In this course, students analyze and consolidate their collection, and organize a public presentation of their work.

Prerequisite: Senior Standing and approval of the department.

COMM 4690 – Information Design Workplace Issues and Work Experience Preparation Seminar

(0 credits) 1.5 hours lecture

This mandatory, zero-credit, preparation seminar for work experience will examine job search strategies, as well as conditions and issues that may arise in the workplace. Potential employers and working information designers will also be invited to present their perspectives and expectations. Students will learn to develop resumes, cover letters and portfolios as well as job search and interviewing strategies, all in preparation to search for professional communications work opportunities in a subsequent semester.

Note: The seminar must be completed as preparation for, and in advance of, the required work experience.

COMM 4691 – BCMM Information Work Experience

To expand both their skills and understanding of the communication field, Information Design students are required to complete one zero-credit work experience (minimum of 450 hours over a 12-week period) in the communications field during their program. Students are expected to complete their work term after their first four semesters in the program.

Prerequisites: Successful completion of all core courses in years one and two of the degree and 30 credits.

COMM 4692 – Information Design Work Experience II (optional)

To expand both their skills and understanding of the communication industry, Information Design students are encouraged to complete a second non-credit semester-long work experience (with a 12 full-time work week minimum) in the communications field during their program. The student must receive a grade of Pass.

Prerequisites: Communications 4691 and departmental approval.

COMM 4705 – Online Editorial Board

(3 credits) 3 hours lecture and tutorial combined, 2 hours lab

Senior student journalists will serve on the editorial board of the online edition of journalism program's community newspaper and play a central role in its ongoing development, by participating in the editorial design of the web publication while also practicing leadership and team-building skills required in professional journalism environments.

Prerequisite: Communications 3729.

COMM 4707 – Editorial Board

(3 credits) 3 hours lecture and tutorial combined

Senior student journalists will serve on the editorial board of the journalism program's community newspaper, and play a central role in its ongoing development by participating in the editorial design of the publication, while also considering and practicing leadership and team-building skills required in professional journalism environments.

Prerequisites: Communications 3720 and 3729, or consent of the department.

COMM 4709 – Advanced Reporting

(3 credits) 3 hours lecture and tutorial combined and/or blended delivery

Student journalists will investigate and report on public policy issues and/or contemporary social concerns, using advanced research techniques to complete a comprehensive journalism project.

Prerequisite: Communications 3729.

COMM 4711 – Advanced Reporting II

(3 credits) 3 hours lecture and tutorial combined

Student journalists will investigate and report on public policy issues or contemporary social concerns, using advanced research techniques to complete a comprehensive journalism project.

Prerequisite: Communications 3729.

COMM 4717 – Magazine Editorial Board

(3 credits) 3 hours lecture and tutorial combined

Student journalists will produce a high quality magazine while considering the goals and requirements of developing, designing and editing this form of publication.

Prerequisite: Communications 3709, 3717 and 3720.

COMM 4727 – Photojournalism Projects

(3 credits) 3 hours lecture and tutorial combined

Senior student journalists, with specific and previously demonstrated interests in photojournalism, will discuss the processes and requirements of producing a major photojournalism effort. Each will then design and complete a major project to advance their skills and portfolios.

Prerequisite: Communications 3727.

COMM 4729 – Multimedia Projects

(3 credits) 3 hours lecture and tutorial combined

Multimedia implies the use of more than one type or form of media in the design of a journalistic, corporate or educational project. Students in this course will consider the appropriate use of multimedia, beginning with audience needs, by undertaking a project of their own design from conception to completion.

Prerequisite: Communications 3727.

COMM 4737 – Research Projects

(3 credits) 3 hours lecture and tutorial combined

Working in teams, students will design and complete significant research projects that focus on media issues, using a range of research methodologies appropriate to their goals, such as content analysis, surveys and focus groups. These projects will be published through an online journal established by the journalism program.

Prerequisite: Communications 3737.

COMM 4747 – Advanced Audio/Visual Projects

(3 credits) 3 hours lecture/tutorial combined and/or blended delivery

Senior student journalists with a specific and previously demonstrated interest in reporting using audio/video will develop, will design and produce projects for publication on significant and timely community issues.

Prerequisite: Communications 3747.

COMM 4757 – Corporate Communications

(3 credits) 3 hours lecture and tutorial combined

Major companies invest substantial resources in communicating internally and externally to ensure employees/clients/customers receive timely information. Students will examine the structure and context of corporate communications, while also practicing the use of some specific corporate communication tools.

Prerequisite: Communications 3707.

COMM 4790 – Journalism Workplace Issues and Work Experience Preparation Seminar

(non-credit) 1.5 hours lecture

This mandatory non-credit preparation seminar for the required work experience examines professional expectations, issues that could arise in the workplace, and the responsibilities and rights of both employers and employees. Guest speakers include potential employers, working journalists and communications professionals. Students develop resumes and portfolios, and engage in mock interviews, all in preparation to apply for professional communications work opportunities in a subsequent semester. The student must receive a grade of Pass.

Note: Must be completed as preparation for and in advance of COMM 4791 – Journalism Work Experience I (Required).

COMM 4791 – Journalism Work Experience I (Required)

Journalism students will hone their understanding of the media industry and the skills already learned by undertaking at least 450 hours of full-time work (normally completed over a 12-week period) in an approved professional communications position. These non-credit work placements may range from newspapers or magazines, to established television or online news operations, to corporate communications, to Internet start-ups, to non-profit organizations. Successful completion with a grade of Pass is required for graduation purposes.

Prerequisites: Communications 4790; successful completion of core skills-based courses in years 1, 2 and 3 of the degree; and departmental approval.

COMM 4792 – Journalism Work Experience II (Optional)

To further expand their skills and understanding of the communication industry, or perhaps to experience different facets of media work, journalism students have the option to complete second non-credit work experience placements (though only one successful work experience is required for graduation purposes). Like the first, optional second work-terms require at least 450 hours of full-time work (normally completed over a 12-week period) in an approved professional communications position. A grade of Pass is required.

Prerequisites: Communications 4791 and departmental approval.

COMM 4841 – Strategic Communication Planning

(3 credits) 2 hours lecture, 2 hours tutorial

This course is designed to build on material covered in COMM 3847 – Public Relations Management and on the experience in COMM 4891 – Work Experience I. Students will increase their understanding of strategic and operational planning concepts in the public relations context by offering consulting services to clients. Working in groups, students will review business plans, conduct a communications audit and write a comprehensive communication plan to assist their client organizations in achieving organizational goals.

Prerequisites: Communications 3847 and 4891 or consent of the department.

COMM 4845 – Investor Relations

(3 credits) 3 hours lecture or blended delivery 2 hours lecture and 1 hour online

This senior-level course for public relations students represents one of the key growth areas for the profession. Students examine the role of investor relations, its purpose within specific organizations, including the appropriate regulations, brokerage, security and ethical considerations of communicating in the financial marketplace. Financial communication documents are analyzed including proxies, disclosure documents, annual and quarterly reports, etc. Students learn how to successfully plan and manage an annual shareholder meeting, an investor presentation, and respond to the financial media.

Prerequisites: Communications 4892 and consent of the department.

COMM 4847 – International and Intercultural Public Relations

(3 credits) online

This is a senior-level course for public relations students. Students learn the essential elements of effective public relations activities in an international and intercultural context. They examine those elements through the relevant policies and activities governing public relations abroad including marketing, advertising, cultural diversity issues, legislation and government regulations such as NAFTA and GATT, as well as new communication technologies, financial markets, ethics, and international labour and workplace issues.

Prerequisite: Communications 4892 or consent of the department.

COMM 4849 – Fund Development and Corporate Philanthropy

(3 credits) online

This is a senior-level course for public relations students, covering two aspects of social public relations – raising funds and creating programs that give financial resources away. This course covers such areas as: understanding government regulations, corporate giving guidelines, accessing funding agencies, understanding the options for fund maintenance, market and audience research, ethical considerations, and the public relations activities required to establish, maintain and promote partnerships with key stakeholders.

Prerequisite: Communications 4892 or consent of the department.

COMM 4851 – Issues and Ethics in Public Relations

(3 credits) 3 hours lecture

This is the capstone course for students in their final semester of the public relations major in the Bachelor of Communication degree. The course, structured as a combination of senior seminar and directed reading, provides students the opportunity to reflect on the learning they have gained; examine the profession they are about to enter; contemplate and consider work experience placements and integrate these perspectives in a thesis of relevance to the profession and their future endeavours.

Prerequisites: Communications 4892 and consent of the department.

COMM 4860 – Issues Management, Risk and Crisis Communication

(3 credits) 3 hours lecture

In this course students will undertake a detailed examination of the principles and applications of the critical elements of sensitive issues management, risk and crisis communications within the context of the public relations responsibilities in organizational communication. The course will concentrate on theoretical considerations of such core topics as trust, effective spokespersons during crisis, credible messaging and stakeholder dialogue. It will address the fundamentals of issues management, effective implementation of crisis communication strategies and workable risk communication models.

Prerequisite: Communications 4891.

COMM 4890 – Public Relations Workplace Issues and Preparation Seminar

(Non-Credit) 1.5 hours lecture

This mandatory, non-credit preparation seminar for work experience, will examine conditions and issues which may arise in the workplace and the responsibilities and rights of employers and employees. Potential employers and working public relations professionals will be invited to present their perspectives and expectations as students develop resumes and portfolios and prepare to apply for work opportunities in a subsequent semester. This seminar must be completed in advance of, and in preparation for, the required work experience placement.

Note: The seminar must be completed as preparation for, and in advance of, the required work experience.

COMM 4891 – Public Relations Work Experience I

The work experiences required for the public relations major in communication studies offers students the opportunity to integrate the theory and practice of public relations learned in the classroom to supervised work experience in a public relations/communications management setting. Students need complete two such work experiences for graduation purposes, and must receive a grade of Pass.

Prerequisites: Successful completion of the following courses or their equivalents: Communications 1841, 1849, 2803, 2849, 3841, 3855, 3851, 3847; 150 hours of paid or volunteer public relations experience; departmental approval.

COMM 4892 – Public Relations Work Experience II

The work experiences required for the Public Relations major in Communication studies offers students the opportunity to integrate the theory and practice of public relations learned in the classroom to supervised work experience in a public relations/communications management setting.

Prerequisites: Communications 4891 and departmental approval.

COMM 1199, 1299 – Directed Readings

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

COMPUTER SCIENCE (COMP)

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

(3 credits) 3 hours lecture, 2 hours tutorial

Computers are an essential tool in contemporary scientific practice. This course provides the students with a foundation in algorithmic thinking as well as exposure to a programming environment. Students also receive significant practice in scientific problem-solving and modeling using common desktop productivity tools.

Note: Only one of Computer Science 1001 and 1501 can be used to satisfy program requirements.

COMP 1103 – Introduction to Computers (formerly COMP 2203)

(3 credits) 3 hours lecture, 1 hour lab

This course provides a non-scientific introduction to the use of computers and their impact on society. Major topics in the field will be explored, ranging from the workings of computers and software, to the implications of the Internet. Students will develop a technical competency by applying foundational concepts from lecture in the lab through the use of computers for word processing, spreadsheet analysis, database management and communications.

Note: Only one of Computer Science 1103, 1171, 1205, 1207, 1209, 1213 or 2203 can be used towards satisfying graduation requirements.

COMP 1104 – Computing and Digital Citizenry

(3 credits) 3 hours lecture, 1 hour tutorial

This course covers both the concepts and skills needed for understanding and developing online competencies. It introduces how internet technologies work and provides the knowledge and skills suitable for non-specialists to construct their own online presence.

COMP 1205 – Introduction to Computing for Public Relations

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

This course is designed to develop the knowledge and skills required to be a proficient user of applications relevant to the public relations field. It focuses on effective use of the Internet, file management, word processing skills, and spreadsheet design. Publishing and web design tools are also introduced.

Note: Credit will be allowed for only one of Computer Science 1205, 1207, 1209, 1213 and 2203.



COMP 1207 – Introduction to Computing for Small Business and Entrepreneurship

(3 credits) 2 hours lecture, 2 hours lab

This course is an introduction to computers and to the use of presentation software, word processors and spreadsheets in small business applications. Students will be introduced to social and organizational issues arising from the use of information technology and to the use of the Internet and public databases for marketing research.

Note: Credit will be allowed for only one of Computer Science 1205, 1207, 1209, 1213 and 2203.

COMP 1209 – Introduction to Computing for Applied Degrees

(3 credits) 2 hours lecture, 2 hours lab

This course develops the knowledge and skills required to be a proficient user of fundamental computer applications. Students will learn how to effectively use some of the following computer applications: word processors, spreadsheets, databases, presentation programs and the Internet.

Note: Credit will be allowed for only one of Computer Science 1205, 1207, 1209, 1213 and 2203.

COMP 1370 – Introduction to Internet Development

(3 credits) 2 hours lecture, 2 hours lab

This course lays the groundwork for effective creation of Internet documents and sites. Students will acquire an in-depth understanding of HTML and an introduction to Cascading Style Sheets. Students will explore strategies for readability and interactivity.

Note: Credit will be allowed for only one of Computer Science 1274, 1370 or 1371.

COMP 1501 – Programming I: Introduction to Problem Solving and Programming

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

This course provides an introduction to problem solving in the context of computer programming. The problem solving process is explored in depth, with a focus on applying the key steps in a variety of situations. The course emphasizes the design of fundamental algorithmic solutions and the implementation of those solutions in a visual development environment. Pre-existing modular building blocks for objects and methods form the basis for program implementation.

Note: Only one of Computer Science 1001, 1501 or 2001 can be used to satisfy program requirements.

COMP 1502 – Programming II: Object Oriented Programming

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

The concepts and practices essential to programming within an object-oriented environment are studied. The course also encompasses the key facets of designing a modular solution, developing and executing a test plan and debugging in a systematic manner. Exception handling is also covered.

Prerequisite: Computer Science 1501 or 2511 with a minimum grade of C-.

COMP 1615 – Introduction to Programming (formerly COMP 2215)

(3 credits) 3 hours lecture, 1 hour tutorial

Introduction to algorithm design and implementation using a structured programming language. Discussion of, and practice with, elementary programming techniques with emphasis on good style.

**COMP 1631 – Introduction to Computer Science I (formerly COMP 2231)**

(3 credits) 3 hours lecture, 2 hours tutorial

Problem solving and programming in a structured programming language. Data representation, program control, basic file handling, the use of simple data structures and their implementation.

Note: This course is intended for prospective majors in Computer Science and for others with a sound mathematical background. Credit may not be obtained for both Computer Science 1501 and 1631.

COMP 1633 – Introduction to Computer Science II (formerly COMP 2233)

(3 credits) 3 hours lecture, 2 hours tutorial

Continuation of Computer Science 1631. The implementation of abstract data structures using pointers and objects, with emphasis on modularity and software design.

Prerequisite: Computer Science 1631 with a minimum grade of C- or higher.

COMP 2001 – Computer-Based Problem Solving for the Sciences

(3 credits) 3 hours lecture, 2 hours tutorial

Computers are an essential tool in contemporary scientific practice. This course provides students with a foundation in algorithmic thinking as well as exposure to a typical programming environment. Students also develop significant practice in scientific problem-solving and modeling using computer-based tools and techniques.

Prerequisite: One of General Education 1101, 1102, 1103, Mathematics 1200, Biology 1202, Chemistry 1201, or Physics 1201.

Note: Only one of Computer Science 1001, 1501, or 2001 may be used for graduation purposes.

COMP 2002 – Creative Problem Solving and Programming

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

This course addresses concepts in computer science starting with basic programming terminology and concepts. The course emphasizes problem solving and using logical thought in order to design and implement solutions to small practical programming problems.

Prerequisite: One of General Education 1101, 1102, 1103, or Mathematics 1200.

Note: Only one of Computer Science 1001, 1501, 2001, or 2002 may be used for graduation purposes.

COMP 2008 – Scientific Computing I: Modeling and Simulation

(3 credits) 3 hours lecture, 1 hour tutorial

This course provides an introduction to the fundamentals of scientific computing, the modeling process, computer simulations, and scientific applications. While the focus is on cellular automaton simulations and Monte Carlo techniques, a limited number of system dynamics models may also be examined.

Prerequisite: Computer Science 1001 or 2001 with a minimum grade of C-.

COMP 2503 – Programming III: Data Structures

(3 credits) 3 hours lecture, 1 hour tutorial

Data structures important to computing such as basic linear structures, trees, heaps and hash tables will be studied. Additionally searching and sorting methods will be covered. The representation, uses and algorithms for manipulating these data structures will be examined. The emphasis is on using these structures to solve problems.

Prerequisite: Computer Science 1502 with a minimum grade of C-.



COMP 2511 – Web I: Client Development (formerly COMP 1511)**(3 credits) 3 hours lecture, 1 hour lab**

This course covers the concepts and practice necessary for creating Internet content. The course provides a technical overview of the Internet environment and the structure of the World Wide Web. The technical segment will focus on the design and implementation of an effective web site at the introductory level.

Prerequisite: Computer Science 1001 or 1501 or 1615 or 1631 or 2001 with a minimum grade of C-.

**COMP 2521 – Database I: Data Modeling and Query Languages****(3 credits) 3 hours lecture, 1 hour tutorial**

This course emphasizes concepts necessary to design and implement databases. Conceptual and logical data modeling is covered in detail. The technical segment focuses on the relational database environment.

Prerequisite: One of Computer Science 1502 or 2511 with a minimum grade of C-.

COMP 2531 – Computer Architecture and Operating Systems**(3 credits) 3 hours lecture, 1 hour lab**

This course covers fundamental hardware and system software topics. Hardware including CPU architecture and computer organization is studied first. Then students explore the inner workings of operating systems, including file systems, process scheduling, concurrency, and memory management.

Prerequisite: Computer Science 1001 or 1501 or 2001 with a minimum grade of C-.

COMP 2541 – Systems Analysis**(3 credits) 3 hours lecture, 1 hour tutorial**

This course provides an introduction to systems analysis in the development of computer-based information systems. The theory and models of software evolution are studied. The course covers system development methodologies and key systems analysis tools and techniques, with a focus on object-oriented strategies.

Prerequisites: One of Communications 1661, English 2263 or Management 3210 with a minimum grade of C- and one of Computer Science 1502 or 2511 with a minimum grade of C-.

COMP 2613 – Introduction to Computability (formerly COMP 3313)**(3 credits) 3 hours lecture, 2 hours tutorial**

This course provides students with an opportunity to gain insight into the theoretical foundations of computing science. Topics include abstract machines (finite automata; push down automata and Turing machines), the hierarchy of formal languages (regular, context-free, and recursive) recognized by these machines, and applications of these languages.

Prerequisites: Mathematics 1271 and Computer Science 1633 with minimum grades of C- or higher.

COMP 2631 – Information Structures I (formerly COMP 3331)**(3 credits) 3 hours lecture, 2 hours tutorial**

Data structures important to computer science will be studied, including trees, graphs and hash tables. Searching and sorting techniques will be emphasized. Associated algorithms and their time and space efficiency will also be studied.

Prerequisite: Computer Science 1633 with a minimum grade of C- or higher.

Recommended Preparation: Mathematics 1271 with a minimum grade of C- or higher.

COMP 2633 – Foundations of Software Engineering (formerly COMP 3333)**(3 credits) 3 hours lecture, 2 hours tutorial**

Introduction to software development problems and to the processes and methods used to address them. Software life cycles models. Software process improvement. Goals and methods for requirements analysis and specification, software design, implementation, integration and testing of software. An introduction to one or more informal methods (focusing on object-oriented approaches) currently in wide spread use.

Prerequisite: Computer Science 2631 with a minimum grade of C- or higher.

COMP 2635 – Information Structures II**(3 credits) 3 hours lecture, 2 hours tutorial**

This course is a continuation of Computer Science 2631. Advanced data structure topics, including collision resolution in hash tables, search algorithms, tree structures, and strings will be covered. Advanced algorithmic tools for storing and manipulating information will be studied.

Prerequisite: Computer Science 2631 with a minimum grade of C- or higher.

COMP 2655 – Computing Machinery I (formerly COMP 3355)**(3 credits) 3 hours lecture, 2 hours tutorial**

An introduction to computing machinery, establishing the connection between programs expressed in a compiled language, an assembly language, and machine code, and how such code is executed. Includes the detailed study of a modern CPU architecture, its assembly language and internal data representation, and the relationship between high-level program constructs and machine operations.

Prerequisite: Computer Science 1633 with a minimum grade of C- or higher.

Recommended Preparation: Mathematics 1271 with a minimum grade of C- or higher.

COMP 2659 – Computing Machinery II (formerly COMP 3325)**(3 credits) 3 hours lecture, 1 hour tutorial, 1 hour lab**

An introduction to combinational and sequential digital logic design, focusing on its application to the creation of modern computing machinery. Includes hardware interfacing to peripheral devices, and programming techniques for asynchronous and real-time machine input/output.

Prerequisites: Philosophy 1179 and Computer Science 2655 with minimum grades of C- or higher.

COMP 3008 – Scientific Computing II: Data and Visualization**(3 credits) 3 hours lecture, 1 hour tutorial**

This course provides an introduction to the underlying theory and practical concepts in data visualization. A number of topics pertaining to data will be covered, including types of data, its acquisition, representation, storage and access, as well as various forms of data analysis. The foundations of visualization and consequent design principles will be presented. Current examples and case studies in data visualization will be examined, with particular emphasis on scientific applications.

Prerequisite: Computer Science 2008 with a minimum grade of C-.

COMP 3012 – Robotics**(3 credits) 3 hours lecture, 1 hour tutorial, 2 hours lab**

This course provides an introduction to the underlying theory and practical concepts in robotics. This includes aspects of geometry, kinematics, statics, dynamics, control, motion planning, trajectory generation, and programming. Students also receive practical experience using a rapid prototyping tool to construct a robotic system.

Prerequisites: One of Computer Science 1502 or 2233 or 2531 with a minimum grade of C-; and one of Mathematics 1200 or 1203 or 1505 or equivalent with a minimum grade of C-.

COMP 3307 – Computing Applications in Small Business and Entrepreneurship**(3 credits) 2 hours lecture, 2 hours tutorial**

This course covers the design and implementation of databases to manage distribution and inventory for a business. It also includes the design and development of print and electronic promotional pieces using desktop publishing and web authoring software, and the exchange of data between applications. The goal of the course is to enable students to use computing resources to gain a competitive edge.

COMP 3309 – Information Technology and Society**(3 credits) 3 hours lecture**

A study of the implications of information technology for society. Historical perspectives, social context of computing, legal and ethical problems, economic issues, and philosophical frameworks for analysis will be covered.



COMP 3504 – Programming IV: Software Engineering

(3 credits) 3 hours lecture, 1 hour tutorial

The course introduces software engineering concepts and applies object-oriented design principles to mobile app development using a state of the art IDE and APIs. Topics include agile programming, test-driven development, refactoring, design patterns, memory management, multithreading and basic user interface design principles.

Prerequisites: Computer Science 2503 and 2541 with a minimum grade of C-.

COMP 3512 – Web II: Web Application Development

(3 credits) 3 hours lecture, 1 hour tutorial

This course focuses on the concepts and technologies needed to develop web-centric applications. The overall architecture of Internet applications is examined at a high level. Special emphasis is given to server-side programming, including the creation of multi-tier and multi-layer web applications and using Web Services to integrate web applications with other IT applications.

Prerequisites: Computer Science 2511, 2503 and 2521 with a minimum grade of C-.

COMP 3532 – System Administration and Maintenance

(3 credits) 3 hours lecture, 1 hour lab

This course covers the deployment and maintenance of modern computer systems, with particular emphasis on the administration of user accounts. The course includes an overview of basic administrative tasks associated with network operating systems such as Windows and Linux.

Prerequisite: Computer Science 2531 with a minimum grade of C-.

COMP 3533 – Network Infrastructure and Security

(3 credits) 3 hours lecture, 1 hour lab

This course covers the principles and practice of computer networking, focusing on the high-level protocol-oriented aspects of computer networks. Networking as it relates to database and file service applications is examined along with Internet structure, protocols and routing. Various aspects of security in networked information systems are studied.

Prerequisite: Computer Science 3532 with a minimum grade of C-.

COMP 3551 – GUI Development

(3 credits) 3 hours lecture, 1 hour tutorial

This course focuses on the design and development of contemporary event driven graphical user-interface (GUI) applications. Special emphasis will be given to events, event handling, and exception handling. Different GUI design approaches and design patterns will be examined. Graphics, audio, and timers will also be covered.

Prerequisite: Computer Science 3504 with a minimum grade of C-.

COMP 3553 – Human-Computer Interaction (formerly COMP 4553)

(3 credits) 3 hours lecture, 1 hour tutorial

This course covers the fundamental theory and practice in the design and evaluation of human-computer interfaces. The impacts of computer-based information systems on individuals and organizations are examined along with the rationale for a user-centric approach in all IT applications and systems.

Prerequisite: Computer Science 2511 and 2503 with a minimum grade of C-.

COMP 3591 – Mandatory Work Experience

(0 credits)

The Bachelor of Computer Information Systems degree requires that all students complete at least one paid work experience term. Through a competitive process, students are hired by suitable employers, monitored by the University and evaluated by the employer. The course includes work term assignments, on-site performance assessments, employer evaluations and a group debriefing session at the end of the term.

Prerequisites: COOP 0001, Computer Science 2511, 2503, 2521, 2531, and 2541 as well as two of the following: Accounting 2121, Human Resources 2170, Management 2130, and Marketing 2150.

COMP 3649 – Programming Paradigms (formerly COMP 3349)

(3 credits) 3 hours lecture, 2 hours tutorial

This course will examine the basic principles of several major programming paradigms, with emphasis on declarative paradigms such as functional and logic programming. Data types, control expressions, loops, types of references, lazy evaluation, different interpretation principles and information hiding will be studied.

Prerequisites: Computer Science 2631 and Philosophy 1179 with minimum grades of C- or higher.

COMP 4401 – Quality Assurance and Testing

(3 credits) 3 hours lecture, 1 hour lab

This course covers the issues involved in ensuring a high quality deployment of a new application. Topics include quality assurance, project management, integrating a new application with existing applications, quality control (testing) and deployment strategies.

Prerequisite: Computer Science 4403.

COMP 4409 – Advanced Internet Application Development

(3 credits) 3 hours lecture, 1 hour lab

This course focuses on the design and development of complex Internet applications. Topics included in this course are: Internet application technology, patterns, frameworks and best practices in the design and development of Internet applications. The overall architecture of Internet applications will be examined. Students will use a current Internet development platform to create real-world Internet applications.

Prerequisite: Computer Science 4421.

Recommended Preparation: Computer Science 1278.

COMP 4513 – Web III: Advanced Web Development

(3 credits) 3 hours lecture

This course covers advanced web development topics, applying the foundation client and server techniques learned in Web I and II, and database topics from Databases I. In addition to practical theory, students will learn about asynchronous JavaScript, web services, electronic commerce, search engine optimization and content management systems. Students will use a modern API to develop an application using maps, social network plug-ins, or other advanced web technology.

Prerequisite: Computer Science 3512 with a minimum grade of C-.

COMP 4522 – Database-II: Advanced Databases

(3 credits) 3 hours lecture

This course covers advanced concepts and techniques associated with information management. Database implementation and administration issues are examined in depth. Emerging database trends such as data warehousing and data mining are introduced. The course also provides an overview of distributed database topics, including distributed transactions.

Prerequisite: Computer Science 2503 and 2521 with minimum grades of C-.

COMP 4535 – Computer Security

(3 credits) 3 hours lecture

This course covers the concepts and techniques of computer security. It focuses on security issues relevant to the Internet and protecting an organization's internal network. Risk assessment and development of security policies are covered.

Prerequisite: Computer Science 3533 with a minimum grade of C-.

COMP 4543 – Project Management and Quality Assurance

(3 credits) 3 hours lecture

This course covers strategic approaches for successful management of system development or enhancement projects, from both technical and organizational perspectives. The steps involved in ensuring a high quality deployment of a new application are examined.

Prerequisite: Computer Science 2541 with a minimum grade of C-.

COMP 4545 – Information Systems Organization**(3 credits) 3 hours lecture**

This course provides a strategic perspective of an Information Systems Organization. There are two dimensions: the first deals with Information as a strategic resource and the second deals with administering and controlling this strategic resource. This course discusses how the organization manages and uses information to ensure its competitive advantage.

Prerequisite: Computer Science 2541 with a minimum grade of C-.

COMP 4555 – Games Development**(3 credits) 3 hours lecture, 1 hour tutorial**

This course focuses on the design and implementation of interactive computer games. It emphasizes the algorithms and data structures required to create real time computer graphics, animation, sound, and network communication. In the technical segment, the course uses a variety of development tools in conjunction with a modern 3-D game engine.

Prerequisite: Computer Science 3504 or 3512 or 3551 with a minimum grade of C-.

COMP 5590 – Senior Project**(3 credits)**

Students will be expected to design and complete a project of their choosing in some area of computer information systems under the guidance of a supervisor. The project results will then be presented as a paper and a poster or oral presentation to the department. After consultation with a departmental faculty member who will supervise, permission must be obtained from the department chair.

COMP 1199, 1299 – Directed Readings

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

CO-OPERATIVE EDUCATION (COOP)**COOP 0001 – Orientation to Co-operative Education****(0 credits) 19.5 hours**

This mandatory, zero-credit, preparation course for work experience will examine job search strategies, as well as conditions and issues that may arise in the workplace. Potential employers and working information designers will also be invited to present their perspectives and expectations. Students will learn to develop resumes, cover letters and portfolios as well as job search and interviewing strategies, all in preparation to search for professional work opportunities in a subsequent semester.

Note: This course must be completed as preparation for, and in advance of, the required work experience.

COOP 0002 – Work Term I**(0 credits) 450 hours**

Students completing the Co-operative Education stream within their degree program are required to take three paid work experience terms. Through a competitive process, students are hired by suitable employers, monitored by the University and evaluated by the employer. The course includes work term assignments, on-site performance assessments, employer evaluations and a group debriefing session at the end of the term.

Prerequisites: Co-operative Education 0001.

COOP 0003 – Work Term II**(0 credits) 450 hours**

Students completing the Co-operative Education stream within their degree program are required to take three paid work experience terms. Through a competitive process, students are hired by suitable employers, monitored by the University and evaluated by the employer. The course includes work term assignments, on-site performance assessments, employer evaluations and a group debriefing session at the end of the term.

Prerequisites: Co-operative Education 0002 or Computer Science 3591.

COOP 0004 – Work Term III**(0 credits) 450 hours**

Students completing the Co-operative Education stream within their degree program are required to take three paid work experience terms. Through a competitive process, students are hired by suitable employers, monitored by the University and evaluated by the employer. The course includes work term assignments, on-site performance assessments, employer evaluations and a group debriefing session at the end of the term.

Prerequisites: Co-operative Education 0003.

CRIMINAL JUSTICE STUDIES (CRJS)**CRJS 1001 – Introduction to Criminology****(3 credits) 3 hours lecture**

In this course, students are introduced to the major theoretical concepts presently available as an explanation of crime, criminals and criminality in the field of criminology.

CRJS 1003 – Introduction to the Justice System**(3 credits) 3 hours lecture**

In this course, students will examine the functional patterns and roles of the major components in the Canadian Justice System. This process includes (but is not limited to) familiarizing the students with the evolving nature of law enforcement, courts and correctional services.

**CRJS 1011 – Introduction to Human Relations****(3 credits) 3 hours lecture**

This course will provide students with an understanding of the development of interpersonal relationships. Students will explore cross-cultural, interdisciplinary and evolving perceptions of normal human relationships, as well as the significance of relationship skills in the justice system.

CRJS 1013 – Diversity Issues and the Criminal Justice System**(3 credits) 3 hours lecture**

This course will explore issues of diversity and justice within Canadian society. Emphasis will be placed on issues, such as ethnicity, gender, sexual preference, age, and social class, and access to justice throughout Canadian history. Situated in an exploration of competing theoretical paradigms, students will be challenged to consider the complexity of diversity issues in context of the history and practices of the Canadian Criminal Justice System.

**CRJS 2001 – Crime and Criminal Intelligence Analysis****(3 credits) 3 hour lecture**

This course introduces students to crime and intelligence analysis as a law enforcement activity. It focuses on an introductory exploration of the foundation and components of crime analysis and the tools employed by crime analysts to assist law enforcement agencies to identify and address community crime concerns.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2003 – Young Persons in Conflict with the Law**(3 credits) 3 hours lecture**

In this course, students will be provided an overview of the behavioural dynamics of young persons involved in anti-social acts. An examination of the legal and social effects of legislation on the community and the young offender is also undertaken. A consideration of community resources is included.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2004 – Issues and Trends in Canadian Policing

(3 credits) 3 hours lecture

This course introduces students to the major trends and issues related to policing in Canada. Students will gain an appreciation of the historical development of policing in Canada and how this development informs contemporary issues such as the delivery of policing services, police organizations, human resource development within police agencies and the different roles within a police department.

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 2005 – Aberrant Behavior

(3 credits) 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) 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 projects 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 and the possibility of a community service-learning component.

Prerequisites: Criminal Justice 1001 and 1003.

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

(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.

CRJS 3001 – Quantitative Research Methods and Data Analysis

(6 credits) 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) 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) 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.

CRJS 3009 – Crisis Intervention Strategies**(3 credits) 3 hours lecture**

This course will introduce theoretical and practical models of crisis intervention. Students will learn to analyze and respond to situations that they may face as criminal justice practitioners. The curriculum will prepare students to intervene within an ethical framework at practicum placement(s), volunteer and/or paid positions of employment, and will focus on the topics of suicide, relationship violence, sexual violence, addiction, mental illness, vicarious victimization and burnout.

Prerequisites: Criminal Justice 1001, 1003, 1011 and 2013.

CRJS 3011 – Criminal Law**(3 credits) 3 hours lecture**

In this course, students will focus on the process of legal problem solving. Students will gain experience in the unique deductive logic within the context of current Canadian criminal law.

Prerequisite: Criminal Justice 1003.

CRJS 4001 – Canadian Charter Rights and Civil Liberties**(3 credits) 3 hours lecture**

This advanced course explores the meaning and judicial interpretation of rights and freedoms articulated in Canadian Charter of Rights and Freedoms. Particular attention is given to the Supreme Court of Canada's consideration of Charter legal rights. Landmark Supreme Court decisions related to equality rights and freedoms of expression, conscience and belief are also explored.

Prerequisites: Criminal Justice 2013 and 3011.

CRJS 4002– Critical Analyses of Forensic Sciences in the Criminal Justice System**(3 credits) 3 hours lecture**

This course introduces students to the role forensic science plays in the Canadian criminal justice system. Students will gain an appreciation of the development of forensic science and learn that the criminal justice system, at times, struggles with creating a balance between science and the law. As a result, the student will be introduced to various forensic techniques commonly used, but will also be given an opportunity to critically examine how these techniques can both assist and hinder the due process of determining guilt or innocence of accused persons.

Prerequisite: Criminal Justice 2005.

CRJS 4003 – Criminological Theory**(3 credits) 3 hours lecture**

Relying primarily on a lecture and group discussion format, the course will involve examining the original works of selected theorists. Emphasis will be placed on the economic, political, and social context in which theories emerged and how they are reflected in criminal justice practice. Among the perspectives covered will be: positivist explanations; the classical and neo-classical schools of thought; biological explanations; conflict criminology; and the new integrated and interdisciplinary theories.

Prerequisites: Criminal Justice 1001, 2005 and either 3001 or 3005.

CRJS 4007 – Conflict Resolution**(3 credits) 3 hours lecture**

This upper level course will provide students with the basic concepts and requisite skills in dealing with conflict resolution in a variety of criminal justice settings. As an applied course, students will be expected to demonstrate skill mastery to specific criteria.

Prerequisite: Criminal Justice 3009 or permission of the department.

CRJS 4013 – Evidence and Procedures**(3 credits) 3 hours lecture**

This is an advanced course in the study of criminal law as it relates to procedural law and law relating to evidence. Selected topics will include criminal procedure and evidence, including jurisdiction, police powers of search and seizure, the right to counsel and pre-trial and trial procedures. The course will include a survey of the system of rules and standards by means of which the admissibility of evidence is determined.

Prerequisites: Criminal Justice 1001 and 3011.

CRJS 4015 – Advanced Topics in Law, Criminology and Criminal Justice**(3 credits) 3 hours lecture**

This course is designed to offer instruction in topical and timely areas of academic interest in the study of law, criminology and criminal justice (e.g., terrorism, victimology, crime and media, crime prevention and community development).

Prerequisites: Criminal Justice 1001 and 1003.

CRJS 4017 – Casework Methods and Practice**(3 credits) 3 hours lecture**

This course provides an examination of the principles, ethics, values and varying components of an effective casework process. A general systems approach is utilized in an application to case studies and the realities of a helping relationship in the justice system.

Prerequisites: Criminal Justice 1001 and 2013.

CRJS 4021 – Women and the Canadian Criminal Justice System**(3 credits) 3 hours lecture**

This course is an advanced-level study, comparison and critical evaluation of the multiple dimensions (theories, disciplines, systems) concerning women in the Canadian criminal justice system: women as offenders, as victims and as criminal justice workers.

Prerequisites: Criminal Justice 1001, 1003 and 1013.

CRJS 4401 – Indigenous People and the Canadian Criminal Justice System**(3 credits) 3 hour lecture**

This course examines the relationship between Indigenous People and the Canadian criminal justice system. At its core is an examination of Indigenous Peoples' over-representation as victims and offenders and under-representation of practitioners in the Canadian criminal justice system. The course also discusses underlying factors and government initiatives to address this issue, including traditional Indigenous approaches to justice.

Prerequisites: Criminal Justice 1001, 1003 and 1013.

CRJS 5001 – Honours Seminar**(3 credits) 3 hours seminar**

Honours students are required to participate in a weekly seminar to explore the synthesis of research and theory within the study of justice. Information related to the research and writing phases of an Honours proposal and final paper will be reviewed, with particular emphasis placed on the development of a meta-analysis/literature review. Discussions will also focus on preparation for graduate schools and professional schools.

Prerequisite: Acceptance into the Bachelor of Arts – Criminal Justice Honours stream.

CRJS 5010 – Honours Research Project I**(3 credits)**

Under the one-on-one supervision of a full-time faculty member in the Department of Economics, Justice and Policy Studies, Honours students will conduct an in-depth scientific investigation of a selected topic in justice. In this first of two back-to-back required Honours Research Project courses, students will focus on producing a research proposal related to their proposed project. Approval of a formal research proposal and completion of appropriate research ethics reviews are prerequisites to any data collection.

Prerequisite: Acceptance into the Bachelor of Arts – Criminal Justice Honours stream.

CRJS 5020 – Honours Research Project II**(3 credits)**

Under the one-on-one supervision of a full-time faculty member in the Department of Economics, Justice and Policy Studies, Honours students will conduct an in-depth scientific investigation of a selected topic in justice. In the second of two back-to-back required Honours Research Project courses, students will undertake and complete a research project. Approval of a formal research proposal and completion of appropriate research ethics reviews are prerequisites to any data collection.

Prerequisite: Criminal Justice 5010.

CRJS 5025 – Criminal Justice Capstone Practicum

(6 credits) 280 hours practicum, 3 hours tutorial biweekly

This course involves supervised study and practice. Over a 14 week period, students spend two and one half (2 ½) days a week in a justice related agency. Students' experiential learning is supplemented by biweekly three hour long tutorials. Work at the agency focuses on developing students' specific skills and competencies in relation to the Department's experiential learning outcomes. Tutorials focus on integrating relevant Justice Studies' program outcomes with students' work in the field.

Prerequisites: Criminal Justice 2013, 3007 and 3009, or permission of department.

CRJS 1199, 1299 – Directed Readings

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

CREATIVE WRITING (CRWT)**CRWT 1117 – Introduction to Writing Poetry (formerly ENGL 1117)**

(3 credits) 3 hours lecture

In this workshop-based course, students will acquire the skills, understanding and practice they need to write, edit, and discuss their own original poetry. The course will result in the completion of an original portfolio which can be used to apply for entry to upper-level courses.

Prerequisite: English Language Arts 30-1 or equivalent.

**CRWT 1118 – Introduction to Writing Fiction (formerly ENGL 1118)**

(3 credits) 3 hours lecture

In this workshop-based course, students will acquire the skills, understanding and practice they need to write, edit, and discuss their own original fiction. The course will result in the completion of an original portfolio which can be used to apply for entry to upper-level courses.

Prerequisite: English Language Arts 30-1 or equivalent.

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

(3 credits) 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.

Prerequisite: Creative Writing 1117 with a grade of B or better or consent of the department.

**CRWT 2265 – Intermediate Creative Writing, Poetry 2: Poetic Precedents (formerly ENGL 2265)**

(3 credits) 4 hours lecture

Building on Creative Writing 2264, this course blends creative writing with writerly readings and analysis of a selection of poetic precedents chosen for their historical or literary value. Student 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 implicit examples found in literature.

Prerequisite: Creative Writing 1117 with a grade of B or better or consent of the department.

**CRWT 2266 – Intermediate Creative Writing, Fiction 1: Contemporary Practice (formerly ENGL 2266)**

(3 credits) 4 hours lecture

This course blends creative writing with writerly readings and analysis of contemporary prose fiction. 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 of literature.

Prerequisite: Creative Writing 1118 with a grade of B or better or consent of the department.

**CRWT 2267 – Intermediate Creative Writing, Fiction 2: Precedents (formerly ENGL 2267)**

(3 credits) 4 hours lecture

Building on Creative Writing 2266, this course blends creative writing with writerly readings and analysis of a selection of precedents in fiction chosen for their historical or literary value. 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 of literature.

Prerequisite: Creative Writing 1118 with a grade of B or better or consent of the department.

**CRWT 2268 – Creative Nonfiction and Travel Writing (formerly ENGL 2268)**

(3 credits) 2 hours lecture, 1 hour tutorial

This course offers an introduction to creative nonfiction and travel writing. In addition to instruction in form, content and style, students will also engage with the particular demands of working with true stories and the written record.

Prerequisite: Creative Writing 1117, 1118, English 1151, or 1152 or consent of the department.

CRWT 3305 – Script Writing (formerly ENGL 3305)

(3 credits) 3 hours lecture

This course explores the theory and practice of writing for stage, screen, and live performance. Workshop exercises will focus on developing dramaturgical skills needed for writing dialogue, plotting action, using generic conventions, and developing characters. Students will have the opportunity to create their own plays, screenplays, or performance pieces.

Prerequisite: One of Film 2246, 3345, English 2256, 2257, Creative Writing 2264, 2265, 2266, or 2267.

Recommended Preparation: Three 2000-level Creative Writing courses.

**CRWT 3362 – Advanced Creative Writing: Poetry (formerly ENGL 3362)**

(3 credits) 3 hours lecture

Designed to establish a sustained approach to creative writing, this advanced course will allow students both to workshop their original poems and to analyze works chosen for their literary, theoretical, and historical value.

Prerequisite: Admission to the course is by consent of the department based on a sample of the student's original creative writing, including 6-10 poems. Writing samples will be accepted up until one week before the first day of classes for the semester in which the course will be taught, or until the course is full, whichever comes first.



CRWT 3368 – Advanced Creative Writing: Fiction (formerly ENGL 3368)**(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: Creative Writing 2266 or 2267 with a minimum grade of B or consent of the department.

Note: Consent of the department is based on a sample (no more than 20 typed, double spaced pages of prose) of the student's original creative writing. Writing samples will be accepted up until one week before the first day of classes for the semester in which the course will be taught, or until the course is full, whichever comes first.

CRWT 4802 – Experiential Studies in Creative Writing (formerly ENGL 4802)**(3 credits) 2 hours lecture, 1 hour tutorial**

This course offers students the opportunity to apply their creative writing skills to an experiential life writing/ fact-based project. Students will be partnered with subjects by one of our partner community organizations and conduct a series of interviews as a basis for the creation of an original piece of writing, performance or multi-media work.

Prerequisite: Creative Writing 2264, 2265, 2266, 2267, or 3305.

Recommended Preparation: Three 2000-level Creative Writing courses.

CHILD AND YOUTH CARE COUNSELLOR (CYCC)**CYCC 1110 – Fundamental Skills in Interviewing****(3 credits) 3 hours lecture**

This course emphasizes the acquisition of skills necessary to interview individuals on a one-to-one basis. Helping relationship and strategies for facilitating effective relationships will also be explored. Students will be introduced to developmental theories as they relate to interviewing. Students will learn basic communication and conflict skills, and create goals related to their own communication style.

Prerequisite: Interdisciplinary Studies 1240.

CYCC 1130 – Mental Health and Substance Abuse Issues**(3 credits) 3 hours lecture**

This course will examine a variety of mental health and substance abuse issues affecting children, youth and families. Students will learn related risk and protective factors. Students will learn about change theory as it relates to development and the most relevant counselling theories used in addictions and mental health will be explored.

CYCC 1132 – The Profession of Child and Youth Care**(3 credits) 3 hours lecture**

This course is the foundation for all subsequent Child and Youth Care Counsellor courses. Students are challenged to explore their belief and value systems, gain self-awareness and understand the personal impact when working with vulnerable children, youth and families. The history and scope of the child and youth care profession are also examined.

CYCC 1142 – Fieldwork**(3 credits) 3 hours tutorial, 120 hours fieldwork**

This introductory field placement course allows students an opportunity for face-to-face interaction with children/youth, reflection on practice and/or project involvement, which will lead to an understanding of the field. Programs available to children, youth and families and the diversity of treatment methods, philosophies and developmental theories will be explored.

Prerequisite: Child and Youth Care Counsellor 1132.

**CYCC 2216 – Group Process and Counselling Theory****(3 credits) 3 hours lecture**

This course is designed to understand the next wave theories of counselling and to learn effective group process and facilitation. Students will acquire the skills necessary to facilitate groups effectively. The role of groups in the treatment of vulnerable children youth and families is explored.

CYCC 2221 – Fundamental Skills in Counselling**(3 credits) 3 hours lecture**

This course emphasizes the acquisition of skills necessary to counsel individuals on a one-to-one basis. Students' attitudes toward professional relationships and issues in child and youth care counselling are explored. Students will broaden their understanding of basic developmental theories, including cognitive, social and emotional domains of development as these relate to counselling.

Prerequisite: Child and Youth Care Counsellor 1110.

Note: Only one of CYCC 1221 or 2221 can be used to satisfy graduation requirements.

CYCC 2226 – Assessment and Intervention**(3 credits) 3 hours lecture**

This course integrates and applies developmental theory and practice. Students are provided with the developmentally appropriate tools they will need to effectively assess, evaluate and provide intervention for vulnerable children, youth and families.

CYCC 2232 – Working with Vulnerable Children, Youth and Families**(3 credits) 3 hours lecture**

This course emphasizes attitudes, knowledge, skills, and proficiencies unique to the competent child and youth care counsellor. This course will explore interventions and strategies utilized when working with vulnerable children, youth and families within a variety of environments.

Note: Only one of CYCC 1232 or 2232 can be used to satisfy graduation requirements.

CYCC 2235 – Youth Care Practice with Families**(3 credits) 3 hours lecture**

This course examines diverse family types, focusing on assessing family needs and dynamics through systems theories. Students will learn intervention strategies for working with vulnerable children, youth and families.

CYCC 2241 – Practicum I**(3 credits) 2 hours tutorial, 250 hours practicum**

Students begin a practicum in a residential, school or community agency to learn the specific skills required to work with vulnerable children, youth and families. They will have the opportunity to integrate developmental theories and practice through seminars, supervised practice and campus activities.

Prerequisite: Child and Youth Care Counsellor 1142 with a minimum grade of C.

CYCC 2242 – Practicum II**(6 credits) 2 hours seminar, 290 hours practicum**

Students continue to learn skills required to work with vulnerable children, youth and families. They will integrate developmental theory and practice through seminars and supervised practice. Students will engage in leadership and campus/community activities. Practicum II learning integration will culminate with a block placement.

Prerequisite: Child and Youth Care Counsellor 2241 with a minimum grade of C.

CYCC 1199, 1299 – Directed Readings

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

DESIGN STUDIES (DEST)

DEST 1101 – Design History

(3 credits) 3 hours lecture

This survey course explores the development of design history and the impact of social, political, and physical influences affecting historical changes in design. Diverse cultures, contexts and scales will be explored through the significant contributions of designers, architects, artists, periods, and movements.

Note: Restricted to first year Interior Design students.

DEST 3201 – Design + Material Culture

(3 credits) 3 hours lecture

This senior course examines contemporary issues in design and the built environment through the theoretical filters of material and visual culture. This course will address the impact of social, political, and physical influences that inform artifact and space.

Prerequisites: Interior Design 3141, 3142, 3143, and 3144 with a minimum grade of C, or consent of the department.

DEST 3301 – Rooms in Context: Interior Design Travel Study (formerly INDS 3401)

(3 credits) Field School

This travel study course examines the 'place' qualities of well-designed interiors and their contextual relationship to a specific space, place, time, and culture. This course is a condensed, site-specific examination of interiors in a city identified as a Centre of Design Excellence.

Prerequisite: Consent of the department.

DIRECTED READINGS

(3 credits) Subject to the approval of the Chair.

Directed Readings are intended to provide a more flexible approach for students who want to pursue and receive credit in areas of study which are of particular interest to them. Two Directed Reading courses can be used for graduation purposes but they must be in different disciplines. A Directed Reading cannot replicate an existing course. The objectives of the Directed Reading course(s) must be filed in the Office of the Registrar and will be made available to any institution requesting them for evaluation purposes. Arrangements for Directed Readings must be completed on or before the Add/Drop deadline.

ECOLOGY (ECOL)

ECOL 1111 – Terrestrial Ecology (formerly ECOL 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 1210 – Ecology

(3 credits) 3 hours lecture, 3 hours lab

This course explores the relationships between living organisms and their environment. Major topics include introductions to ecology, evolution, the natural history of Alberta, and ecological interactions. An understanding of biodiversity, species at risk issues and natural resource management will be developed. Recreational impacts on ecological systems will be examined as well. This course is intended for students in the Bachelor of Health and Physical Education – Ecotourism and Outdoor Leadership major.

ECOL 2201 – Plant Survey and Classification

(3 credits) 3 hours lecture, 3 hours lab

This course provides an introduction to the principles and application of field survey, classification and identification of common types of vegetation found in Alberta. The theoretical component of the course focuses on the particular traits that define the major plant families found in Alberta. In the laboratory, taxonomic keys and field guides will be used to identify plants to the species level, with application to the environmental assessment and reclamation of native and disturbed sites.

Prerequisites: Ecology 1111, Geography 1101 or Biology 1204.

ECOL 2219 – Aquatic Ecology

(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: Ecology 1111 or consent of the department.

ECONOMICS (ECON)

ECON 1101 – Principles of Microeconomics

(3 credits) 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.



ECON 1103 – Principles of Macroeconomics

(3 credits) 3 hours lecture, 1 hour lab

This course will acquaint students with introductory macroeconomic principles and issues, including key macro variables, and two important short run models of income determination, namely the Keynesian model and the AS/AD model. The course also examines the monetary system, interest rates and the monetary transmission mechanism, business cycles, fiscal and monetary policies, international trade, exchange rates and the balance of payments.



ECON 1109 – Engineering Economics

(3 credits) 3 hours lecture, 1 hour tutorial

Engineering economics includes such topics as the time value of money, project evaluation, depreciation and taxation, inflation, replacement analysis, public sector projects and the analysis of uncertainty and risk. Various problem-solving techniques will be developed with an emphasis on engineering decision making.

ECON 1143 – The Economics of Contemporary Issues

(3 credits) 3 hours lecture

This course will apply principles of microeconomics and macroeconomics to current issues in society. By examining current issues from an economic perspective, students will learn how to assess contemporary issues in terms of the individual and overall winners and losers resulting from policies, regulations and systems. Specific issues to be covered in this course depend upon their currency and importance in relation to the time of the course offerings.



ECON 1170 – Economics of Crime and Criminal Justice**(3 credits) 3 hours lecture**

This course discusses the economic elements underlying the behaviour of criminals, victims, and law enforcement agencies. Major topics covered include the supply of crime by criminals, the demand for crime prevention by victims, and public policy issues such as crime control and the allocation of criminal justice resources.

**ECON 2211 – Intermediate Economic Theory – Microeconomics I****(3 credits) 3 hours lecture**

This course examines economic decision making of consumers and businesses. Topics covered include people's consumption choices of and demand for goods and services, the external environment and market structure under which consumers and businesses interact with each other, and the strategic decisions of businesses such as production and pricing strategies.

Prerequisite: Economics 1101 or consent of the department.

**ECON 2213 – Intermediate Economic Theory Macroeconomics I****(3 credits) 3 hours lecture**

The course deals with Keynesian and AS/AD models, the Hicks-Hansen and Mundell-Fleming macro models in an open economy context (IS-LM-BP), AD-AS model under static expectations, the New-Classical, and New-Keynesian models, exchange rates and fiscal and monetary policies in dealing with contemporary macro economic problems of recession, unemployment and inflation.

Prerequisite: Economics 1103 or consent of the department.

**ECON 2215 – Economic Regulation of Global Businesses****(3 credits) 3 hours lecture**

This course focuses on strategic behaviour of multinational businesses in imperfectly competitive markets. Students will learn how businesses can compete with each other without violating competition laws around the world, including in Canada, the U.S. and the European Union. Topics studied include cartels, mergers, exclusive dealing, tied selling, and predation.

Prerequisites: Economics 1101 and Economics 1103.

ECON 2221 – International Trade**(3 credits) 3 hours lecture**

This course examines international trade theory, policy and applications. Topics include a brief history of trade, absolute and comparative advantage basis for trade, the Heckscher-Ohlin theory, trade with economies of scale, tariffs, non-tariff trade barriers, political economy of non-tariff barriers, strategic trade policies, trade agreements, role of the World Trade Organization (WTO) and developing economies' trade policies. The course emphasizes current applications, policy development, as well as the institutional framework underlying the interaction between nations.

Prerequisites: Economics 1101 and 1103.

**ECON 2223 – Gender Economics****(3 credits) 3 hours lecture**

This course examines how gender differences impact women in both the household and the marketplace. Basic economic theory provides the framework to explore such issues as marriage, fertility and child care as well as determine overall trends in the labour market.

Prerequisite: Economics 1101 or consent of the department.

**ECON 2229 – International Money and Finance****(3 credits) 3 hours lecture**

This course examines international monetary theory, policy and applications. Topics include: balance of payments, the role of money and relative interest rates, exchange rate models/regimes and their effect on price levels and output, international investment and global capital markets, currency crises, the international financial architecture, including the role of the World Bank and the International Monetary Fund (IMF). This course emphasizes current applications, policy development, as well as the institutional framework underlying the interaction between nations.

Prerequisites: Economics 1101 and 1103.

**ECON 2241 – Money and Banking****(3 credits) 3 hours lecture**

This course examines topics such as financial intermediation, determination and behaviour of interest rates, commercial banking and the money supply process, central banking and monetary control, regulation of financial markets, transmission of monetary impulses to output, employment and prices.

Prerequisite: Economics 1103 or consent of the department.

**ECON 2244 – Managerial Economics****(3 credits) 3 hours lecture**

Managerial economics is concerned with resource-allocation, strategic decisions, and tactical decisions that are made by analysts, managers, and consultants in the private, public, and not-for-profit sectors of the economy. Managerial economic techniques seek to achieve the objectives of the organization in the most efficient manner, while considering both explicit and implicit constraints on achieving the objective(s).

Prerequisite: Economics 1101.

**ECON 2255 – Economics of the Public Sector****(3 credits) 3 hours lecture**

This course examines the institutions behind, and the economic rationale for, Canadian government policy relating to public expenditures and taxation. Topics include public goods; externalities; public expenditure theory and policy; tax and user price theory and policy; and social welfare and social insurance.

Prerequisites: Economics 1101 and 1103 or consent of the department.

**ECON 2261 – Development Economics****(3 credits) 3 hours lecture**

This course provides an introduction to economic challenges facing developing countries, models of economic development, comparative analysis of national economic development experience, perspectives on economic development policies, and roles of the state, domestic institutions and international institutions in the development process.

Prerequisites: Economics 1101 and Economics 1103.



Note: Students with prior credit for Economics 2263 may not take this course for additional credit.

ECON 2263 – Development Economics – Field School Program**(3 credits) 3 hours lecture**

A hands-on introduction to economic challenges facing developing countries, models of economic development, comparative analysis of development experience, perspectives on economic development policies, and roles of the state, domestic institutions and international institutions in the development process. The entire course is taught at a Mount Royal Field School in a developing country.

Prerequisites: Economics 1101 and Economics 1103, or consent of the department.

Note: Students with prior credit for Economics 2261 may not take this course for additional credit.

ECON 3101 – The Law & Economics of Canadian Business Strategy

(3 credits) 3 hours lecture

This course focuses on strategic behaviour of firms in imperfectly competitive markets. Students will learn how businesses can compete with each other without violating any competition laws or industry-specific regulations. Topics studied include mergers, predation, tied selling, resale price maintenance, cartels, intellectual property rights, anti-dumping laws, and network industries.

Prerequisite: Economics 1101.



ECON 3305 – History of Economic Thought

(3 credits) 3 hours lecture

Studying the contributions of leading economic thinkers, from Adam Smith to John Maynard Keynes, this course examines the various perspectives that have influenced the development of economic thought. This course will analyze these economic theories and address some of the implications for policy researchers.

Prerequisites: Economics 1101 and 1103.



ECON 3357 – Intermediate Economic Theory – Microeconomics II (formerly ECON 2257)

(3 credits) 3 hours lecture

This course examines selected microeconomic topics. Major topics include organizational management of businesses such as recruitment and retention of employees and pay structure, and strategic business decisions such as advertising and pricing choices. Other topics covered include general equilibrium analysis, welfare economics, externalities, and factor markets.

Prerequisite: Economics 2211.

ECON 3359 – Intermediate Economic Theory – Macroeconomics II

(3 credits) 3 hours lecture

This course examines the role of expectations in macroeconomic models and theories of aggregate consumption, investment, money demand, and economic growth. Students will also study business cycle theories and the inflation unemployment relationship, as well as the theory and practice of economic stabilization policy.

Prerequisite: Economics 2213.

ECON 3395 – Introduction to Applied Econometrics

(3 credits) 3 hours lecture

The course introduces techniques for quantifying economic relationships. Topics include estimation and testing of hypotheses, forecasting and construction of prediction intervals, use of appropriate functional forms, detection and correction of measurement problems, model specification, and use of statistical software programs for single equation regression analysis.

Prerequisites: Economics 1101 and 1103, and one of the following: Policy Studies 2209, Mathematics 1224, Management 2262; or consent of the department.

ECON 3401– Financial Economics I

(3 credits) 3 hours lecture

This course introduces the microeconomic foundation of financial decisions. This course acts as a complementary addition to the existing Finance courses by providing a theoretical basis to finance practices. The main topics include a consumer's financial decisions, a firm's financing and investment decisions in a perfect capital market, risk measurement and management, mean-variance analysis and CAPM.

Prerequisites: Economics 2211, 2213, and Finance 3227.

ECON 3199, 4199 – Directed Readings

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

EDUCATION (EDUC)

EDUC 1209 – Elementary Art Education I

(3 credits) 3 hours lecture

This course is designed to assist prospective teachers in developing their visual communication abilities. Participants will explore various materials and participate in studio projects designed to enhance their understanding of age appropriate art experiences for elementary students.

EDUC 1231 – Professional Dimensions I

(3 credits) 3 hours lecture, 1 hour tutorial, one-half day per week field experience

This course examines teaching and learning processes with reference to psychological, sociological and philosophical influences in contemporary society, addressing the concept of personal worldview and its impact on classroom environments. The course introduces students to professional responsibilities and prompts students to develop ethical and professional attitudes, behaviour, language and conduct. The field experience will have an individual learner focus.

Note: This course is designated as critical for continuance in the program, with a minimum 'B' grade required for students to advance. Students must achieve a minimum of 'B' grade in this course. Grades below a 'B' must be replaced by repeating the course before students may progress in any further education courses.

EDUC 1233 – Professional Dimensions II

(3 credits) 3 hours lecture, 1 hour tutorial, one-half day per week field experience

This course provides a foundation for curriculum and pedagogy in the areas of planning, facilitating and assessing learning. Further, it examines issues of power and justice and the ways that the economy, matters of race, culture, class, and gender ideologies, political discourses and other social institutions interact to construct the social systems that make up educational institutions. The field experience will focus on small groups and teacher candidates are expected to teach a lesson.

Prerequisite: Education 1231 with minimum grade of B.

EDUC 2261 – Introduction to Inclusive Education

(3 credits) 3 hours lecture

This course explores contemporary trends and issues shaping the field of inclusive education in Canada and Alberta. The historical impact of special and regular education philosophies on inclusive education will be addressed. Students will gain an understanding of the variety of exceptional learning needs in classrooms today with specific emphasis on effective assessment strategies for the identification of exceptional learners and for the development of individual student program plans in inclusive classroom settings. Strategies for cross-agency and professional collaboration will also be addressed.

Prerequisite: Education 1231 or consent of the department.

EDUC 2271 – Introduction to Methods and Materials in Teaching English as a Second Language (TESL)

(3 credits) 3 hours lecture

This course introduces students to recognized methods useful for working with beginner level English Language Learners and the concomitant demands for materials and learning resources. Students will become familiar with the theoretical underpinnings of Total Physical Response (TPR), audio-lingual, Language Experience Approach (LEA) and the selection/design/ preparation of learning resources required to support these methods.

Prerequisites: Linguistics 1111 and 1113 or Education 2371.

EDUC 2312 – Elementary Music Education I

(3 credits) 3 hours lecture

This course provides an opportunity for prospective teachers to develop musical skills, concepts and instructional methodologies that are considered to be important for teaching music in the elementary school setting.

EDUC 2321 – Education and Individual Development**(3 credits) 3 hours lecture**

This course examines human behaviour, focusing on physical, emotional, cognitive, moral and social development. Emphasis is placed on understanding classroom implications of motivation, memory, learning styles, student diversity, principles of reinforcement, and aspects of learning.

Prerequisites: Education 1233.

Co-requisite: Education 2375.

EDUC 2325 – Understanding Current and Emerging Pedagogical Technologies**(3 credits) 3 hours lecture**

This course provides an overview of technological influences in education. It is designed to assist prospective teachers in critically examining current and evolving applications of technology relevant to the teaching and learning process.

Prerequisites: Education 1233 with minimum grade of B.

EDUC 2341 – Diversity and Education**(3 credits) 3 hours lecture**

This course explores key processes, perspectives and practices underlying effective learning in diverse settings. Topics include the construction of the concept of difference, stereotyping, prejudice, discrimination, racism, classism and sexism, all of which are examined with reference to their impact on learning.

Prerequisites: Education 1231 and 1233.

EDUC 2371 – Language Development and Literacy**(3 credits) 3 hours lecture, one-half day per week field experience**

This course focuses upon language development and the importance of literacy. Students will examine certain principles of learning in order to gain understanding as to how language development occurs as well as to determine best practice in teaching language and literacy. Students are required to participate in relevant field experience. The field experience will be literacy focused, including small group instruction and assessment.

Prerequisites: Education 1233 with minimum grade of B.

EDUC 2375 – Effective Assessment**(3 credits) 3 hours lecture, one day per week field experience**

This course is designed to assist students in developing an understanding of concepts and issues related to the differentiated assessment of learning. Participants will be required to develop competence in the construction of various instruments and processes used to measure and evaluate individual learner performance. The field experience will include teaching and assessing learning experiences.

Prerequisites: Education 2371.

EDUC 3010 – Practicum I**(3 credits) 5 week practicum**

This practicum focuses on professional responsibilities, planning for learning, facilitating learning, assessment, and the classroom environment. Students will be directly involved in all aspects of teaching for 50% of the required time during their last three weeks of the practicum.

Prerequisites: Education 2375.

Corequisites: Education 2325, 3106, 3108 and 4101.

EDUC 3090 – Supplemental Practicum**(3 credits) 200 hours practicum**

This supplemental practicum experience focuses on teaching and learning in selected alternative education settings for five full time weeks or equivalent. A limited number of cohort experiences may be available each year subject to the availability of the participating organizations. Students will be expected to be directly involved in leading educational experiences of the organization for at least 50% of their practicum time.

Prerequisite: Education 3010 or consent of the department.

EDUC 3102 – Program of Studies and Curriculum Instruction in Teaching Drama**(3 credits) 3 hours lecture**

This course examines the fundamental knowledge, understanding, values, attitudes, skills, and processes required to implement an effective program of studies for teaching elementary drama. The course will address a range of approaches to develop instruction, plan units of study, integrate curriculum, develop resources and assessment strategies to meet students' needs.

Prerequisite: Education 1233.

EDUC 3103 – Program of Studies and Curriculum Instruction in Teaching English Language Arts**(3 credits) 3 hours lecture**

This course explores the knowledge and skills required to implement programs of studies in teaching English Language Arts in elementary schools. The course will address relevant instructional methodologies, unit planning, curriculum integration and resource development. Students will investigate a range of assessment strategies.

Prerequisites: Education 2371.

EDUC 3106 – Program of Studies and Curriculum Instruction in Teaching Science**(3 credits) 3 hours lecture**

This course provides an introduction to the teaching and learning of Science in elementary schools. The course will focus on instruction, planning and facilitating learning experiences, integrating curriculum, creating and utilizing resources and developing assessment strategies to meet students' needs.

Prerequisites: Education 2375

Corequisites: Education 2325, 3010, 3108 and 4101.

EDUC 3108 – Program of Studies and Curriculum Instruction in Teaching Mathematics**(3 credits) 3 hours lecture**

This course explores knowledge and skills required to implement programs of studies in teaching Mathematics in Elementary schools. The course will address a range of approaches to develop instruction, plan units of study, integrate curriculum, develop resources and assessment strategies to meet students' needs.

Prerequisite: Education 2375.

Corequisites: Education 2325, 3010, 3106 and 4101.

EDUC 3201 – Visual Art and Mathematics: An Integrated Understanding**(3 credits) 3 hours lecture**

This course examines the fundamental knowledge, understanding, skills and processes necessary for the integration of visual arts and mathematics at the elementary school level. The course will address relevant instructional methodologies, curriculum integration and resource development for both visual arts and mathematics.

Prerequisite: Education 1209 or Mathematics 1102 or permission of department.

EDUC 3351 – Aboriginal Cultural Dimensions and Classroom Applications**(3 credits) 3 hours lecture**

This course is designed to prepare and sensitize prospective teachers to aboriginal perspectives, values, and methods as they relate to the learning context. The course will include an in-depth examination of traditional aboriginal education and associated values.

Prerequisite: Education 3010.

EDUC 3361 – Exceptional Students, Special Needs, and Inclusive Schooling**(3 credits) 3 hour lecture**

This course examines characteristics of students exhibiting a range of mild, moderate, and severe disabilities and students exhibiting exceptional gifts and talents. Diverse educational, cultural, and linguistic backgrounds will be discussed. The course also examines methods that can be used in adapting classroom instruction and management of the diverse needs.

Prerequisite: Education 3010.

EDUC 3362 – Teaching Complex Learners**(3 credits) 3 hours lecture**

This course provides a critical and in-depth examination of complex learners from preschool to adolescence. Students will gain practical and theoretical understandings to meet the challenges of working with students with complex intellectual, physical, behavioural, and/or mental health needs in a variety of educational settings. Specific emphasis will be placed on interagency supports, current research, effective use of assistive technologies, and application of a variety of instructional design strategies to support the development of effective learning plans and learning environments for complex learners.

Prerequisite: Education 1233 or consent of the department.

EDUC 3372 – Early Literacy: Teaching English as a Second Language (TESL)**(3 credits) 3 hours lecture**

This course will introduce the student to ways of working with young English Language Learners as they begin to acquire early literacy concepts and skills, develop oral language and breadth, and depth of vocabulary knowledge. The course will comprise a balanced approach to an early literacy program that is necessary for success in academic literacy.

Prerequisites: Linguistics 1111 and 1113 or Education 2371.

Recommended Preparation: Education 2271.

EDUC 4020 – Practicum II**(6 credits) 9 week practicum**

This practicum focuses on professional responsibilities, planning for learning, facilitating learning, assessment, and the classroom environment. Students are expected to be directly involved in all aspects of teaching progressing from 50% and achieving 100% for at least three weeks of the practicum.

Prerequisite: Education 3010.

Corequisites: Education 4101 and 4201.

EDUC 4030 – Practicum II**(9 credits) Semester long practicum with concurrent course integration**

This practicum focuses on professional responsibilities, planning for learning, facilitating learning, assessment, and the classroom environment. Students are expected to be directly involved in all aspects of teaching progressing from 50% and achieving 100% for at least three weeks of the practicum.

Prerequisites: Education 3010.

Corequisites: Education 3361 and 4201.

EDUC 4101 – Program of Studies and Curriculum Instruction in Teaching Art**(3 credits) 3 hours lecture**

This course examines the fundamental knowledge, understanding, values, attitudes, skills, and processes required to implement an effective program of studies for Teaching Elementary Art in Alberta schools. The course will address relevant instructional methodologies, unit planning, curriculum integration, and resource development. Students will investigate a range of assessment strategies to meet student needs.

Prerequisite: Education 2375.

Corequisites: Education 2325, 3010, 3106 and 3108.

EDUC 4104 – Program of Studies and Curriculum Instruction in Teaching Music**(3 credits) 3 hours lecture**

This course is designed to provide musical experiences which will help the student gain skills to appropriately enhance the musical growth of children in K – 6 classrooms. The course participant's personal skill and understanding of musical concepts will be developed; musical needs and capabilities of young children will be investigated; methods of teaching music to young children will be presented through observation and application.

Prerequisite: Education 2371.

EDUC 4105 – Program of Studies and Curriculum Instruction in Teaching Physical Education**(3 credits) 3 hours lecture**

This course examines the fundamental knowledge, understanding, values, attitudes, skills, and processes required to implement an effective program of studies for teaching Physical Education in elementary schools. The course will address relevant instructional methodologies, unit planning, curriculum integration, and resource development. Students will investigate a range of assessment strategies.

Prerequisites: Education 3010.

EDUC 4107 – Program of Studies and Curriculum Instruction in Teaching Social Studies**(3 credits) 3 hours lecture**

This course explores the knowledge and skills required to implement programs of studies in teaching Social Studies in Elementary (1 – 6) Education. The course will address a range of approaches to develop instruction, plan units of study, integrate curriculum, develop resources and assessment strategies to meet students' needs.

Prerequisite: Education 3010.

EDUC 4201 – Integrating Ideas, Values and Praxis**(3 credit) 3 hours lecture**

In this capstone course, participants will critically reflect upon significant issues and experiences gleaned from their education, general education, schooling and elective courses, field experiences and practica. The major focus will be on the development of a professional learning plan and a school-based inquiry.

Prerequisite: Education 3010.

Corequisites: Education 4030.

EDUC 4321 – Developing a Philosophy of Education**(3 credits) 3 hours lecture**

This course examines basic beliefs concerning what is "sensible", "right", and "good" in promoting learning. Participants will critically reflect upon significant issues and experiences and will develop their philosophy of teaching and learning.

Prerequisites: Education 1231 and 1233.

EDUC 4325 – The Impact of Social Issues in Education and Schooling**(3 credits) 3 hours lecture**

This course examines factors such as the economy, the state, social class, gender, ethnicity, sub-cultural membership, ideology, religion, and the home environment, and their relationship to and impact on learning in general and schooling in particular.

Prerequisites: Education 1231 and 1233.

EDUC 4471 – ESL in Mainstream: Language through Content Teaching English as a Second Language (TESL)**(3 credits) 3 hours lecture**

This course will introduce students to the principles of language through content (LTC) teaching and would enable them to respond to the needs of ESL learners as they attempt to learn language AND content together in the context of the mainstream classroom.

Prerequisites: Linguistics 1111 and 1113 or Education 2371.

Recommended Preparation: Education 2271.

EDUC 3199, 4199 – Directed Readings

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

EARLY LEARNING AND CHILD CARE (ELCC)

ELCC 1104 – The Profession of Early Learning and Child Care

(3 credits) 3 hours lecture

This initial course provides students with an overview of the field of early childhood education and the profession. Students will begin to develop a personal philosophy of early learning as they gain knowledge in quality care for children, types of early childhood programs and professional roles from diverse perspectives. Students will also learn foundations in governing regulations and policies. This course will be offered in a blended manner.

ELCC 1109 – Principles of Development I

(3 credits) 3 hours lecture

Child development is a basic core course for the Early Learning and Child Care program and sets the theoretical and practical framework for understanding how children grow and develop from social and cultural perspectives. This course is the first of two courses that cover the theories and sequences of development from pre-birth to twelve years.

ELCC 1110 – Learning Through Play I

(3 credits) 3 hours lecture

This course will examine play as the foundation of children's development. Topics to be discussed include definitions and theories of play, the values and types of play, and the roles of the adult and the environment in diverse contexts.

ELCC 1180 – Fieldwork

(3 credits) 1 hour lecture, 100 hours fieldwork

This course will provide students with the opportunity to integrate and apply theoretical methods by observing and interacting in different early learning settings. Students are required to be in fieldwork one day per week throughout the semester.

ELCC 2110 – Learning Through Play II

(3 credits) 3 hours lecture

This course provides the foundations for the creation of play based learning environments along with opportunities for practice. Students will explore the theory, methods and techniques of developmentally appropriate practice in planning play experiences.

Prerequisites: Early Learning and Child Care 1104, 1109, and 1110.

Corequisite: Early Learning and Child Care 2282.

ELCC 2121 – Guidance and Planning

(3 credits) 3 hours lecture

This course covers the planning of play environments with children to age twelve with a focus on emergent curriculum and a variety of curricular areas. Students will analyze how the planning of environments, programs and early childhood educator practices might influence children's engagement, learning and behaviors. They will consider the role of the early childhood educator in documenting, supporting and facilitating children's learning in early childhood settings. Students will also consider the significance of relationships, the environment and understanding children's behaviour as it relates to guidance situations.

Prerequisites: Early Learning and Child Care 2110, and one of Early Learning and Child Care 1209 or 2209, and one of Early Learning and Child Care 1282 or 2282.

Corequisite: Early Learning and Child Care 2285.

ELCC 2209 – Principles of Development II

(3 credits) 3 hours lecture

Child development is a basic core course for the Early Learning and Child Care program and sets the theoretical and practical framework for understanding how children grow and develop from a social and cultural perspective. This course will cover the theories and sequences of development from pre-birth to age twelve.

Prerequisite: Early Learning and Child Care 1109.

Note: Only one of ELCC 1209 or 2209 can be used to satisfy graduation requirements.

ELCC 2211 – Child, Family and Community

(3 credits) 3 hours lecture

This course focuses on the family of the preschool child. Students will explore and develop an understanding of family and the factors affecting families today. Issues affecting families are discussed in terms of the effect they have on all members of the family and on the development of the child. The role of the educator in understanding, accepting and supporting the diversity of families is discussed. Various means of developing partnerships with parents will be explored.

Prerequisites: Early Learning and Child Care 2110 and one of Early Learning and Child Care 1209 or 2209.

ELCC 2213 – Health, Safety, and Nutrition

(3 credits) 3 hours lecture (blended delivery)

This course is designed to provide students with basic knowledge and skills to plan and implement programs that promote the well-being of young children in early childhood settings. Concepts to be discussed in this course include theory and practice related to health (including illness prevention and mental and sexual health), safety, and nutrition of the young child.

ELCC 2215 – Differing Abilities and Inclusion

(3 credits) 3 hours lecture

This course provides students with information about young children with diverse needs. Along with learning about specific types of conditions and an introduction to the field of exceptional children and their families, this course will discuss some techniques to include children with diverse needs into early learning settings.

Prerequisites: Early Learning and Child Care 2110 and one of Early Learning and Child Care 1209 or 2209.

ELCC 2282 – Practicum I

(3 credits) 2 hours bi-weekly, 260 hours practicum

Practicum I allows the student the opportunity to integrate play and child development theories with young children in early learning settings. Students will gain experience in guiding children's behaviours and experience in a variety of skill development areas. For two days per week students will interact with young children in an early childhood setting under supervision. Students will be accepted into practica on the basis of academic performance and health. *Prerequisites:* Early Learning and Child Care 1180 with a minimum 'C' grade and Early Learning and Child Care 1109.

Corequisite: Early Learning and Child Care 2110.

Note: Only one of ELCC 1282 or 2282 can be used to satisfy graduation requirements.

ELCC 2285 – Practicum II

(6 credits) 3 hour seminar, 370 hours practicum

This course is a continuation of ELCC 2282 which provides students opportunities to plan and facilitate learning experiences through the use of a curriculum framework while taking into account knowledge and understanding of diverse perspectives. This course also encourages personal self-reflection and goal setting based on early childhood theories and developmentally appropriate practices for young children.

Prerequisites: Early Learning and Child Care 2110 and one of Early Learning and Child Care 1209 or 2209, Early Learning and Child Care 1282 or 2282 with a minimum grade of C.

Pre or Corequisites: Early Learning and Child Care 2121.

ELCC 1199, 1299 – Directed Readings

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

ENGLISH (ENGL)

For Film Studies courses, please see FILM.

For Creative Writing courses, please see CRWT.

ENGL 0115 – Writing and Communication Skills

(0 credits) 4 hours lecture

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

This course provides students with opportunities to improve their English language communication skills provided they are adequately prepared to study English at a high school level. This is not an ESL course. Instruction will emphasize development of grammar, spelling, vocabulary and punctuation. Students who successfully complete this course or its equivalent are adequately prepared to take English 0130 or English 0212.

ENGL 0130 – Literature and Composition

(0 credits) 4 hours lecture

This is a credit-free upgrading course; special fees apply. Students write paragraphs and essays of various lengths based upon ideas derived from the study of literary works and from other sources.

Corresponding Alberta High School Equivalent: English Language Arts 30-1.

Recommended Preparation: English 0115, English Language Arts 20-1 or English Language Arts 30-2 or equivalents.

ENGL 0212 – Introductory Composition

(3 credits) 3 hours lecture

This course is designed for students whose understanding of the elements of English grammar and the mechanics of good writing needs reinforcing. Introductory Composition will provide a review of grammar and the mechanics; as well, it will focus on the structures of sentences, paragraphs and essays. Along with written assignments offering practice in composition, the course will emphasize discussion and analysis of readings. Instruction in research methods will also be provided as preparation for a research paper.

Note: Students must have passed English Language Arts 30-1, English Language Arts 30-2 or English 0115 to qualify for this course.

GNED 1401/ENGL 1101 – Writing for Academic Success

(3 credits) 4 hours lecture

This course develops students' skills in the types of writing, reading, and thinking required in university today. Students will review basics, analyze contemporary examples, develop research and referencing skills, and design their writing for specific audiences. Writing for Academic Success provides an opportunity to develop new talents and gain confidence in expressing ideas.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 60% or higher, or English 0212 with a grade of C or higher.

ENGL 1131 – Introduction to Fiction

(3 credits) 3 hours lecture

In this course selected novels and short stories are studied, with instruction in the writing of critical essays.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 60% or higher.

ENGL 1135 – Introduction to Poetry

(3 credits) 3 hours lecture

A study of selected poetry written in English, with instruction in the writing of critical essays.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 60% or higher.

ENGL 1137 – Introduction to Dramatic Literature

(3 credits) 3 hours lecture

A study of six to eight plays, with instruction in the writing of critical essays.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 60% or higher.

ENGL 1151 – The Art of Story: An Introduction to Literature

(3 credits) 3 hours lecture

This course introduces the principles and practices of literary analysis by examining the narrative features of selected works of prose, poetry, or drama. Students will apply close reading techniques to a range of narratives in order to develop foundational skills in writing and thinking about literature critically.

Prerequisites: English Language Arts 30-1 or equivalent with a grade of 60% or higher.

ENGL 1152 – Identity and Invention: An Introduction to Literature

(3 credits) 3 hours lecture

This course introduces the principles and practices of literary analysis by examining features of self-invention and first-person identity in selected works of prose, poetry, and drama. Students will apply close reading techniques to the imaginatively-constructed "I" in order to develop foundational skills in writing and thinking about literature critically.

Prerequisites: English Language Arts 30-1 or equivalent with a grade of 60% or higher.

ENGL 2141 – Literature for Young Children (formerly ENGL 1141)

(3 credits) 3 hours lecture

This course offers a critical study of literature for young children (ages two-eight). By providing a survey of the various genres of children's literature, this course introduces students to the range of work available for preschool and primary school children. Students will also be given opportunities to develop their skills for oral presentation and written composition.

Prerequisite: English 1101/General Education 1401 or 1403 or 1404.

Note: Students can only use one of 2141 and 1141 or 1241 or 2241 to satisfy graduation requirements for a Bachelor of Arts (English) degree.

ENGL 2202 – Theory in English Studies

(3 credits) 3 hours lecture

Why do English students study concepts like "representation," "the subject," and "the other," all of which originate in European philosophy? This course explores the question by analyzing the historical influx of Theory into English Studies, and the resulting experiments and controversies.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301, with a grade of C- or higher.

ENGL 2205 – Writing about Literature

(3 credits) 3 hours lecture

This course focuses on the techniques of written discussion and argument valued in literary studies. It emphasizes translating close readings into effective, elegant arguments and establishing historical, theoretical, or scholarly contexts for those arguments. Students will study models of professional and student writing and work with their peers to critique and revise their own work.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301.

ENGL 2207 – Intermediate Writing

(3 credits) 4 hours lecture

A course in which students study rhetorical theory and apply it to the examination of their own writing and that of selected texts.

Prerequisite: English 1101/General Education 1401 or 1403 or 1404.

Note: Credit will be allowed for only one of Applied Communications 2263, English 2207 or Freelance Writing 1301.



ENGL 2210 – English Literature to the Restoration (3 credits) 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: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301, with a grade of C- or higher.



ENGL 2211 – English Literature from the Restoration to the Present (3 credits) 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: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301, with a grade of C- or higher.



ENGL 2216 – Women's Writing: Voices and Visionaries (3 credits) 3 hours lecture

This course will approach women's writing from a variety of theoretical perspectives and across genres from different times, places, and spaces.

Prerequisites: One of English 1101/General Education 1401 or 1403 or 1404.

Recommended Preparation: One 1000-level course in English Literature or Women's & Gender Studies.



ENGL 2228 – Intermediate Special Topics (3 credits) 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: One of English 1101/General Education 1401 or 1403 or 1404.

ENGL 2248 – American Literature from 1865 to 1945 (3 credits) 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: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301.



ENGL 2249 – American Literature from 1945 to the Present (3 credits) 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.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301.



ENGL 2263 – Technical Writing (3 credits) 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, 1403, or 1404.

Note: Credit will be allowed for only one of Applied Communications 2061, English 2263 and Freelance Writing 1311.



ENGL 2270 – Canadian Literature to 1914 (3 credits) 3 hours lecture

This course surveys Canadian literature in English from its beginnings to the early twentieth century, and explores topics such as the development of a colonial literature; the literary articulation of Canadian subjects and themes; the adaptation of literary forms to Canadian experience; and the role of the literary institution in the development of Canadian nationalism. Students will examine the literature of exploration, travel and settlement; narrative, dramatic, and lyric poetry; and prose fiction.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, 2301, Canadian Studies 1131, 2221, 2233, or 3730.



ENGL 2271 – Canadian Literature from 1914 to the Present (3 credits) 3 hours lecture

This course focuses on the development of modernism and postmodernism in twentieth century Canadian writing.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, 2301, Canadian Studies 1131, 2221, 2233, or 3730.



ENGL 2273 – Reading the Popular (3 credits) 3 hours lecture

This course examines the historical development of popular literary forms, including but not limited to persistent characters, themes, and narrative structures. These forms will be studied especially in genre fiction constructed for a trans-Atlantic mass readership in the twentieth century such as mystery, romance, horror, etc and in related non-print media as well.

Prerequisites: One of English 1101/General Education 1401 or 1403 or 1404.



ENGL 2291 – Postcolonial Literature I (3 credits) 3 hours lecture

This course aims to introduce students to postcolonial issues through a variety of literary, filmic and theoretical texts from a variety of regions.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301.



ENGL 2292 – Postcolonial Literature II (3 credits) 3 hours lecture

This course furthers the exploration of postcolonial issues through a variety of literary, filmic and theoretical texts from a variety of regions.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of English 1131, 1135, 1137, 1151, 1152, 2141, 2216, 2228, 2273, 2293, 2294, 2295, 2298, 2299, or 2301.



Note: This course will not duplicate texts assigned in Postcolonial Literature I.

ENGL 2293 – Science Fiction

(3 credits) 3 hours lecture

This course examines representative works of science fiction with attention to the tradition, its leading themes and modern developments.

Prerequisite: English 1101/General Education 1401 or 1403 or 1404.

**ENGL 2294 – Comics as Literature**

(3 credits) 3 hours lecture

This course examines the comic book as modern folktale, told in words and pictures, and as mass market literature, shaped by contemporary events, audience response, and the economics of its production. It will also look at the comic in terms of its relationships with television, film, and the graphic novel.

Prerequisites: One of English 1101/General Education 1401 or 1403 or 1404.

**ENGL 2295 – Fantasy**

(3 credits) 3 hours lecture

This course examines the historical roots, literary applications and theoretical context of fantastic elements in fiction. Texts may include representative examples of dream vision, allegory, romance, surrealism, and magic realism, with a particular emphasis on modern fantasy fiction.

Prerequisite: English 1101/General Education 1401 or 1403 or 1404.

**ENGL 2298 – Children's Literature: Folklore, Fairy Tale, Fantasy**

(3 credits) 3 hours lecture

This course investigates the history and development of children's fantasy from its origins in the oral tradition to its current achievements. Situating such work within its literary and cultural context, this course explores changing attitudes toward childhood and adolescence while also examining the debt that contemporary juvenile fantasy owes to classic folklore and fairy tales.

Prerequisites: One of English 1101/General Education 1401 or 1403 or 1404.

**ENGL 2299 – Children's Literature: Representations of the Real**

(3 credits) 3 hours lecture

This course examines the relationship between the real and the imagined in works for children and adolescents. Focusing on classic and contemporary material that asks readers to think about who they are and what kind of world they inhabit, this course explores the literary, social, and educational values that inform the construction of juvenile realities.

Prerequisites: One of English 1101/General Education 1401 or 1403 or 1404.

**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, 1403 or 1404.

**ENGL 3246 – Early American Literature**

(3 credits) 3 hours lecture

Using letters, accounts, speeches, journal entries, poems, and other narratives, the course surveys early American literature from 1492 to 1776, focusing on such themes as "discovery" and contact; emerging federalism; indigenous communities; racism and the North-South divide; gender; work; individuality and self-reliance; crime and violence; landscape, environment, and identity.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3256 – Canadian Drama

(3 credits) 3 hours lecture

This course examines Canadian drama from Confederation to the present, focusing on theatrical innovation, language and style. Canadian theatre history and the nature of Canadian drama are examined in the light of both nationalism and regionalism and their relation to dominant themes, stylistic trends, and sensibilities within Canadian literature.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, 2301, Canadian Studies 2221, 2233, 3730, or Film Studies 3349.

Recommended Preparation: Three 2000-level English courses.

**ENGL 3266 – Editing: Theory and Practice**

(3 credits) 3 hours lecture

Building on previous literature and writing courses, this course introduces students to the multifaceted, ethical work of the professional editor. It balances theoretical inquiry with practical training in preparing creative and scholarly works for publication. Students will acquire skills in copyediting of manuscripts, style-editing, and editorial feedback, and practice intensive self-editing and peer review.

Prerequisite: One of English 2202, 2205, 2207, 2210, 2211, 2216, 2228, 2248, 2249, 2263, 2270, 2271, 2273, 2291, 2292, 2294, 2298, 2299, Communications 3717, Creative Writing 2264, 2265, 2266 or 2267.

**ENGL 3304 – Advanced Writing: Theory, Pedagogy, Practice**

(3 credits) 3 hours lecture

This course surveys theoretical models of composition and composition instruction. Beginning with an exploration of the nature of composition and writing, this course will examine such topics as classical and contemporary compositional theory, feminist and political pedagogies, expressive and rhetorical approaches to writing and its instruction.

Prerequisite: One of English 2202, 2203, 2205, 2207, 2263, Creative Writing 2264, 2265, 2266, 2267, or Film Studies 3345.

Recommended Preparation: Three 2000-level English courses.

**ENGL 3306 – History of the English Language**

(3 credits) 3 hours lecture

This course covers the development of English from Anglo-Saxon (or Old English) to Early Modern English in the seventeenth century. It includes a basic component of linguistics and an examination of manuscript culture and textual transmission.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3308 – The Novel from 1900 to Now

(3 credits) 3 hours lecture

Using critical theory to interrogate contemporary practice, this course examines the development of prose fiction from the beginning of the twentieth century to the present day. In particular, it considers how the novel, as both a literary and cultural form, mediates the aesthetic, intellectual, social, and political concerns of the twentieth and twenty-first centuries.

Prerequisite: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.



Note: Credit will be allowed for only one of English 2259 and English 3308.

ENGL 3309 – Theatre and Performance from 1900 to Now

(3 credits) 3 hours lecture

This course examines the extent to which “all the world’s a stage”. Theatre and performance texts and theories will be used to illuminate key issues and ideas in contemporary culture such as ritual, realism, the absurd, the society of spectacle, subjectivity, and identity.

Prerequisite: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

Note: Credit will be allowed for only one of English 2257 and English 3309.

ENGL 3310 – Critical Theory and Cultural Studies

(3 credits) 3 hours lecture

How did English Studies fracture during the “theory wars”? This course historicizes the question by reading, in detail, influential and provocative thinkers of the 1960s, 1970s and 1980s. Topics might include the writings of Ahmad, Derrida, Ebert, Foucault, Haraway, hooks, Irigaray, Jameson, Kristeva, Lacan, Levinas, Said, Spivak, Zizek and others.

Prerequisite: One of English 2202, 3304, 3382, Film Studies 3345, Philosophy 2204, 2211, 2215, 2216, 2237, 3307, 3333, 3345, 3350, 3368, Sociology 3333, or Women’s & Gender Studies 3301.

Recommended Preparation: Three 2000-level courses in English and/or Philosophy.

ENGL 3311 – Poetry and Poetics from 1900 to Now

(3 credits) 3 hours lecture

From the Great War to 9/11, the critical events of the past century and the continuing challenges of the 21st century have compelled poets to debate, reinvent, and sometimes reject traditional poetic forms and conventions. An overview of forms, conventions, and historic poetic practice will provide the basis for looking at more recent modern and post-modern approaches.

Prerequisite: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3312 – Shakespeare: The Earlier Plays

(3 credits) 3 hours lecture

This course examines selected plays written by Shakespeare during the first half of his career (ca 1590-1599), with a focus on both language and theatrical conventions. Students will consider critical problems related to sources, dating, performance, reading, audience, censorship, publication, editing, reception and contemporary adaptation.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3313 – Shakespeare: The Later Plays

(3 credits) 3 hours lecture

This course examines selected plays written by Shakespeare during the second half of his career (ca 1600-1613), with a focus on his evolution as a dramatist, culminating in the later tragedies and romances. Students will consider critical problems related to sources, dating, performance, reading, audience, censorship, publication, editing, reception and contemporary adaptation.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.



ENGL 3323 – Early Medieval Literature

(3 credits) 3 hours lecture

This course is a study of representative texts from the early medieval literary age, offering a range of popular genres from the Old and Middle English periods. Texts will be read in the original language, and instruction in the grammar, orthography and pronunciation of early medieval English will be provided.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3324 – Literature in the Age of Chaucer

(3 credits) 3 hours lecture

This course examines a selection of representative texts produced during the Age of Chaucer (mid-fourteenth century to c 1500), offering a variety of literary genres and diverse contexts. The texts will be read in the original language, with instruction in the grammar, orthography and pronunciation of Middle English provided.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3327 – Studies in Women’s Literature

(3 credits) 3 hours lecture

Varying in topic from semester to semester, this course examines the ways in which women authors transform their experiences of the world into a public expression of female culture. Women’s writing may be studied from a variety of perspectives, themes, historical moments, or genres.

Prerequisite: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, 2301, Women’s & Gender Studies 2205, 2207, 2221, 2239, or 2283.

Recommended Preparation: Three 2000-level courses in English and/or Women’s & Gender Studies.

Note: Credit will be allowed for only one of English 2219 and English 3327.

ENGL 3330 – Restoration and Early Eighteenth Century Literature

(3 credits) 3 hours lecture

Examining the first half of the Long Eighteenth Century, this course involves a study of the works of such writers as Pepys, Cavendish, Dryden, Montagu, Swift, Pope, Addison, Steele, Gay, Thomson, Gray, and the social and literary backgrounds that forged a new and lively literature of the Enlightenment.

Prerequisites: English 2210 or 2211 and one of English 2202, 2203, 2205, 2207, 2263, Creative Writing 2264, 2265, 2266, 2267 or Film Studies 3345.

Recommended Preparation: Three 2000-level English courses.

ENGL 3331 – Later Eighteenth Century Literature

(3 credits) 3 hours lecture

This course examines the literature from around 1750 to the end of the Long Eighteenth Century. Writers studied may include Boswell, Johnson, Cowper, Radcliffe, Edgeworth, Crabbe, Burney and Burns.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3340 – Early Romantic Literature

(3 credits) 3 hours lecture

This course examines British literature in the context of the various political and socio-economic changes from 1760 to 1815 and will familiarize students with key aspects of British Romanticism. Writers may include, among others, Wollstonecraft, Blake, Dorothy and William Wordsworth, Coleridge, and Austen.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.



ENGL 3341 – Later Romantic Literature**(3 credits) 3 hours lecture**

This course examines British Romantic writers from 1815 to mid-century. Among others, writers studied may include Byron, Mary Shelley, Percy Shelley, Hemans, and Keats.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3342 – Early Seventeenth-Century Literature**(3 credits) 3 hours lecture**

This course studies literature in the historical and social contexts of the late Elizabethan and early Stuart periods. Readings may include texts by Donne, Herbert, Jonson, Lanyer, Wroth, and Herrick.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3343 – Later Seventeenth-Century Literature**(3 credits) 3 hours lecture**

This course studies literature in the historical and social contexts of the Stuart period until the Restoration. Readings may include texts by Vaughan, Crashaw, Bradstreet, Philips, Marvell, and Milton.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3344 – Victorian Realism and Reform**(3 credits) 3 hours lecture**

This course treats Victorian realism as a mode of environmental and social criticism. In so doing, it focuses on realist narratives in several genres—fiction, poetry, non-fiction—in order to explore the impact of industrialization and urbanization on the nineteenth-century literary consciousness. Writers studied include, among others, Carlyle, Tennyson, Mill, Dickens, Barrett Browning, Eliot, and Hardy.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3345 – Victorian Art and Nature**(3 credits) 3 hours lecture**

This course addresses the Victorian fascination with aesthetics by surveying how various nineteenth-century literary movements approach the idea of “truth to nature.” Tracing an arc from Pre-Raphaelitism through Aestheticism, this course will examine the dynamic relationship between truth and beauty, life and art, in the realms of dramatic, lyric, and pictorial form during Victoria’s reign.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

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 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

ENGL 3353 – North American Indigenous 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 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2294, 2295, 2298, 2299, 2301, Anthropology 2213, 2214, 2229, 2241, 2255, 3319, Education 3351, History 2215, 2247, 3306, 3343, 3345, 3346, Indigenous Studies 1101, 1111, 2720, 2730, Sociology 2275, or Women’s & Gender Studies 3311.

Recommended Preparation: Three 2000-level courses in English and/or Indigenous Studies.

ENGL 3372 – Western Canadian Literature**(3 credits) 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: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, 2301, Canadian Studies 2221, 2233, 3730, or Film Studies 3349.

Recommended Preparation: Three 2000-level English courses.

ENGL 3382 – Textualities/Sexualities**(3 credits) 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: One of English 2202, 2203, 2216, 2219, 3327, Economics 2223, Film Studies 3345, History 2108, 2207, Philosophy 2237, Political Science 2227, Religious Studies 2281, Sociology 2233, 3233, 3309, Women’s & Gender Studies 2205, 2207, 2221, 2239, 2283, 3302, 3310, 3345, or 3346.

Recommended Preparation: Three 2000-level courses in English and/or Women’s & Gender Studies.

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 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2294, 2295, 2298, 2299, 2301, Anthropology 2213, 2214, 2229, 2241, 2255, 3319, Education 3351, History 2215, 2247, 3306, 3343, 3345, 3346, Indigenous Studies 1101, 1111, 2720, 2730, Sociology 2275, or Women’s & Gender Studies 3311.

Recommended Preparation: Three 2000-level courses in English and/or Indigenous Studies.

ENGL 3394 – The Graphic Novel**(3 credits) 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: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.



ENGL 3397 – Studies in Children's Literature**(3 credits) 3 hours lecture**

This variable-content course offers the opportunity for specialized study within the field of literature for children and adolescents. Critical, historical, and theoretical questions related to the child or childhood will be central to such study. Topics may include (among others) young adult fiction, the picture book and multiculturalism, Canadian children's literature, or contemporary nursery rhymes.

Prerequisites: One of English 2141, 2202, 2205, 2210, 2211, 2216, 2228, 2248, 2249, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, or 2301.

Recommended Preparation: Three 2000-level English courses.

**ENGL 3900 – Travel Studies in Literature: Words and Ideas****(3 credits) 3 hours lecture**

This special-topics course explores key ideas, values, or beliefs shaping the literature of its destination. Students will take an experiential approach to the written or spoken word by attending festivals and/or visiting museums, galleries, theatres, parks, archives, libraries, and/or historic sites as appropriate. At least one multi-night out-of-town field trip will be included.

Prerequisite: One of English 2141, 2202, 2205, 2207, 2210, 2211, 2216, 2228, 2248, 2249, 2263, 2270, 2271, 2273, 2291, 2292, 2293, 2294, 2295, 2298, 2299, 2301, *Creative Writing* 2264, 2265, 2266 or 2267.

Recommended Preparation: Three 2000-level English courses.



Note: Students are responsible for paying all costs, including travel and accommodation, associated with the field trip.

ENGL 4401 – Select Topics in Themes, Forms, and Genres**(3 credits) 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.

Prerequisites: One of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

ENGL 4410 – Select Topics in Medieval Literature, 650-1500**(3 credits) 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 of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

Recommended Preparation: English 3323 or 3324.

ENGL 4420 – Select Topics in Early Modern Literature, 1450-1700**(3 credits) 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 of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

Recommended Preparation: English 3342 or 3343.

ENGL 4440 – Select Topics in Literature of the Long Nineteenth Century, 1790-1917**(3 credits) 3 hours lecture**

This advanced seminar focuses on ideas, issues, or individuals important to the poetry, prose, and drama of the Romantic, Victorian, and Golden Ages. Varying from semester to semester, select topics may include (among others) Pre-Raphaelite poetry and painting, performance in nineteenth-century culture, and the literature of the New Woman.

Prerequisite: One of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

Recommended Preparation: One of English 3340, 3341, 3344, or 3345.

ENGL 4443 – Select Topics in Literature of the Long Eighteenth Century, 1660-1832**(3 credits) 3 hours lecture**

This advanced seminar features a selection of works from the long eighteenth century. Texts may include those by the early novelists Bunyan, Defoe, Richardson, Fielding, or Sterne, feminist writers from Aphra Behn to Jane Austen, Restoration comedy through Romantic drama, or the satiric verse tradition leading to Romantic poetry.

Prerequisite: One of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

Recommended Preparation: One of English 3330, 3331, 3340, 3341.

ENGL 4446 – Select Topics in Literature of the Long Twentieth Century, 1865-Present**(3 credits) 3 hours lecture**

This advanced seminar studies a selection of literary and other forms of cultural text produced between 1865 and the present. A national literature such as Canadian, American, or British may furnish the texts or a postcolonial approach may offer a study of African, Caribbean, Irish, or subcontinental Indian literature written in English.

Prerequisite: One of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

ENGL 4701 – Select Topics in Global Literature**(3 credits) 3 hours lecture**

This advanced seminar exposes students to creative and critical writing in Asia, Africa, Australia, the Caribbean, Europe, South America or New Zealand/Aotearoa. Varying from semester to semester, individual topics may concentrate, for example, on the literature of the Holocaust, contemporary writing in India, or postcolonial theory.

Prerequisite: One of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

Recommended Preparation: One of English 2291, 2292, 3353, or 3390.

ENGL 4702 – Select Topics in North American Literature**(3 credits) 3 hours lecture**

This advanced seminar examines how Canadian and/or American literature is constitutive of North American identities and experiences. Varying from semester to semester, individual topics may focus on a theme, form, genre, author, or movement important within Canadian and/or American literature.

Prerequisite: One of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, *Creative Writing* 3305 or 3368.

Recommended Preparation: One of English 3246, 3256, 3350, 3353, or 3372.

ENGL 4801 – Select Topics in Writing**(3 credits) 3 hours lecture**

This advanced writing seminar integrates theory and practice while encouraging students to develop as imaginative, academic, and/or professional writers. Varying from semester to semester, individual topics for the course may focus on a genre, theme, or approach significant within the realm of creative or critical writing.

Prerequisite: Admission to the course is by consent of the department based on a sample of the student's original creative writing (no more than 20 typed, double-spaced pages). Writing samples will be accepted up until one week before the first day of classes for the semester in which the course will be taught, or until the course is full, whichever comes first.

Recommended Preparation: One writing course at the 3000 level, preferably in the genre specific to the seminar being offered.

ENGL 4900 – Travel Studies in Literature: Texts and Contexts**(3 credits) 3 hours lecture**

This special-topics course situates the literature of its destination within its social, political, national, and/or international context. Students will take an interdisciplinary approach to the written or spoken word by attending festivals and/or visiting museums, galleries, theatres, parks, archives, libraries, and/or historic sites as appropriate. At least one multi-night out-of-town field trip will be included.

Prerequisite: One of English 3246, 3256, 3304, 3306, 3308, 3309, 3310, 3311, 3312, 3313, 3323, 3324, 3327, 3330, 3331, 3340, 3341, 3342, 3343, 3344, 3345, 3350, 3353, 3372, 3382, 3390, 3394, 3397, Creative Writing 3305, 3362 or 3368.

Recommended Preparation: Three 3000-level English courses.

Note: Students are responsible for paying all costs, including travel and accommodation, associated with the field trip.

ENGL 5110 – Honours Seminar**(3 credits) 3 hours lecture**

This project-driven seminar involves advanced studies in literature and language. Given various practical opportunities for research, including an independent honours project, students will assess their scholastic experiences to generate analysis of English studies as a field of inquiry. They will also apply this understanding of English studies to specific texts and disciplinary debates.

Pre or Corequisite: One of English 4401, 4410, 4420, 4440, 4443, 4446, 4701, 4702, or 4801.

Note: Restricted to students who have completed 30 courses toward the B.A. and are officially admitted and registered in the English Honours Program. This course is offered only in the Fall semester.

ENGL 3199, 4199 – Directed Readings

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

ENTREPRENEURSHIP (ENTR)**ENTR 1232 – Entrepreneurship Studies****(3 credits) 3 hours lecture**

This course introduces students from non-business programs to the key elements of starting up and operating a small business. Students will gain applied skills by preparing a business plan for a new enterprise. This business plan will enable students to market their own professional skills to prospective customers. Lectures will expose students to the entrepreneurial environment, marketing principles, legal issues, funding sources for a small business, and personnel issues.

**ENTR 2010 – Directed Field Studies I****(15 credits)**

The work term provides students with an opportunity to apply entrepreneurial theory in a small business environment. Students in the Small Business Stream are required to either start a new business or work in their family business(es). Students in the International Stream are required to obtain a placement with a company that provides them with significant exposure to international business or start a new venture. Students starting a new venture may use the business plan created in Entrepreneurship 3333 as a basis for their Directed Field Study. Students, through journals, reports, discussions and faculty mentoring, will become skillful at both personal and situational analysis. The Directed Field Study is designed to allow individual work-experience and will require students to demonstrate proficiency in multi-disciplined business applications. Students will be required to submit a Directed Field Study submission report for Directed Field Study coordinator approval prior to embarking on the work-term.

Prerequisites: Entrepreneurship 3333 and Computer Science 1207.

ENTR 2201 – Introduction to Entrepreneurship**(3 credits) 3 hours lecture**

This course develops an awareness of the state of entrepreneurship in Canada. Students are introduced to elements of successful entrepreneurship, opportunity identification and assessment, economic development potential of small business in Canada, alternative forms of work arrangements in the new economy balancing an entrepreneurial lifestyle, determining what success means to each student, goal setting and visioning.

Note: Only one of ENTR 2201, 2301 or 3301 can be used to satisfy program requirements.

ENTR 2301 – Innovation and the Entrepreneurial Experience**(3 credits) 3 hours lecture**

This experiential course develops an understanding of innovation and builds awareness of the practical experiences of entrepreneurs. Students participate in experiential activities and competitions, and learn using a practical framework that integrates current research, practice and lessons learned from people who have started impactful businesses with limited resources.

Note: Only one of ENTR 2201, 2301 or 3301 can be used to satisfy program requirements.

ENTR 3251 – Marketing Research for Small Business**(3 credits) 3 hours lecture**

This course is designed to provide the entrepreneurship students with a practical guide to the marketing research process. They will learn how they can utilize marketing research to assist them in effective marketing decision making, what types of research are the most cost- and time-effective for an entrepreneur, and how to apply the principles in researching their own small business.

Prerequisites: Entrepreneurship 2201, Marketing 2150 and Management 2262.

ENTR 3302 – Creativity for Entrepreneurial Practice**(3 credits) 3 hours lecture**

This course introduces the concepts of innovation and entrepreneurial creativity. Students draw upon the inspired thinking and entrepreneurial pursuits of leaders in a variety of disciplines in order to understand the process of innovation and appreciate the role of creativity in making innovation possible. Emphasizing the development of the student's own entrepreneurial creativity and ability to innovate, the experiential and reflective activities in this course encourage students to explore their potential as passionate agents of change – in their own lives and in society.



ENTR 3305 – The Art of the Pitch

(3 credits) 3 hours lecture

This course will help students develop their entrepreneurial communications skills to help them prepare for and present their business ideas to prospective investors, partners, employees and customers. It will focus on skill development in visual, verbal and vocal communications to pitch business ideas and handle questions and answers about their presentations.

**ENTR 3331 – Law for Small Business**

(3 credits) 3 hours lecture

This course requires students to recognize and analyze legal principles and processes in contemporary business environments. The primary topics are: the legal system – courts, civil litigation, and Constitutional issues; applicable tort and contract principles and cases; real property law; business and nonprofit entities, forms, organization and liabilities; insurance and risk management; leases and employment law. Additional topics may include intellectual property; marketplace legislation; commercial law; negotiable instruments; purchase and sale of a business; and trust law.

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

ENTR 3333 – New Venture Feasibility

(3 credits) 3 hours lecture

This course introduces students to the key skills required to succeed as an entrepreneur. Students will gain applied skills by researching and preparing a business plan for a new enterprise. Lectures will expose students to critical new venture marketing and funding issues, and will use local case material and guest speakers to provide insight into the entrepreneurial environment.

Prerequisites: Management 2130 or Entrepreneurship 2201 or 2301, Marketing 2150, Accounting 2121.

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

ENTR 3350 – Spearheading and Navigating Product Launch

(3 credits) 3 hours lecture

Product managers are central to the launch and success of new product offerings in an organization. In this course students will have the opportunity to work with local, young growth oriented companies that have identified a new product opportunity. Working with founders, technologists and marketers, students will build a product launch roadmap, a go-to-market strategy, channel strategy and financial forecast with a focus on execution for launching the new product. The objective is for students to learn about and experience the many roles of a Product Manager in steering a product to market.

Prerequisites: Entrepreneurship 2301 and 3302.

ENTR 3360 – How Technology Enables Innovation

(3 credits) 3 hours lecture

Technological innovation is increasingly a source of competitive advantage to organizations. Business roles within an organization are often closest to the customer and the problems that customers are trying to solve. It is critical that business professionals understand the capabilities and potential of technology to drive product and business model innovation. This course will improve your understanding of technology, what it can enable, and stimulate thought on how technologies can be applied to innovative offerings. No prior technology expertise is assumed and the focus is on the capabilities and limitations of various technologies, rather than on the underlying science/engineering.

Prerequisites: Computer Science 1207, Entrepreneurship 2301 and 3302.

ENTR 3370 – Society, Innovation and Enterprise

(3 credits) 3 hours lecture

In this course, students will be equally introduced to theories and practical understanding of private initiatives for public purpose. Current social realities have generated a paradigm shift in relation to the interface of business and society. This new paradigm sees innovation and market models as venues to address social challenges. The course explores the foundations of the social economy and relates them to the necessary entrepreneurial thinking of organizational structures and operating systems. Students will be exposed to the social context of social enterprises through service learning or other experiential activities.

**ENTR 3730 – Special Topics in Innovation and Entrepreneurship**

(3 credits) 3 hours lecture

This course provides an examination of selected topics in innovation and entrepreneurship. As this is a variable content course, the specific topic will be announced and advertised each time it is offered. Students may not receive credit for this course more than once.

ENTR 4331 – Idea to Opportunity

(3 credits) 3 hours lecture

In this highly experiential course, students will gain an understanding of the role of innovation and creativity in the development of new venture ideas. They will learn and practice tools for generating venture ideas that can be developed into scalable, innovative opportunities within a new business, mature organization or nonprofit setting. Opportunities will be analyzed using a range of practical tools and methodologies.

Prerequisites: Entrepreneurship 3301 or 3301 or 3302 or 3370.

**ENTR 4332 – Venture Launch**

(3 credits) 3 hours lecture

In this course, students will be immersed in the issues encountered by entrepreneurs while starting a new venture. They will be challenged to evaluate and build upon the opportunities they developed in ENTR 3302 and consider industry, market and product research through the lens of the start-up phase of the venture life cycle. Contingency strategies will be developed as necessary after students receive feedback on progress and viability.

Prerequisite: Entrepreneurship 2301 and 3302.

ENTR 4343 – Growing the Enterprise

(3 credits) 3 hours lecture

Our environment requires dynamic leaders who can contribute to and champion growth of both enterprises and changemaking organizations. In this experiential 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 growing enterprises. In addition, the reasons enterprises typically fail will be analyzed.

Prerequisite: Entrepreneurship 2301 and 3302.

ENTR 4344 – Corporate Innovation and Entrepreneurship

(3 credits) 3 hours lecture

This course is designed to develop an understanding of the scope and complexity of the issues related to fostering and developing innovation and entrepreneurial endeavors within established enterprises, including the corporation. Topics to be examined include the challenges and opportunities for both employees and senior leaders in creating and maintaining a culture that fosters both intrapreneurial endeavors and corporate entrepreneurship.

Prerequisite: Entrepreneurship 2301 or Entrepreneurship 3302.

ENTR 4420 – DNA of Buying, Selling and Business Development

(3 credits) 3 hours lecture

This course explores customer acquisition roles of buying, selling and business development in driving a dynamic organization's growth strategy. Business development is the creation of long-term value for an enterprise from customers, markets and relationships. Through experiential opportunities, both the foundation and application of executing business development will be explored. Students will have the opportunity to observe, interact and learn from local and established growth oriented SMEs. Cases will also develop students' insights. The course will culminate in a business development project with local enterprise.

Prerequisites: Entrepreneurship 2301 and 3302.

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: Marketing 2150, Accounting 3224 and one of Management 2130, Entrepreneurship 2301, Social Innovation 2201.

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

ENTR 4434 – Small Business Practicum

(3 credits) 2 hours lecture, 1 hour tutorial

This course is designed to help students acquire the ability to rationally analyze 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 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 1105 – Data Processing and Statistics (formerly ENVS 2205)

(3 credits) 3 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: Mathematics 30-1.

ENVS 1111 – Professional Development, Health and Safety

(3 credit) 3 hours lecture

This course will prepare students for work experience through Professional Development activities. Recent developments, trends and opportunities in the environmental industry and the field of Industrial Ecology will be covered by representatives from industry and government. The Professional Development component will prepare students to search for work experience opportunities in the environmental field. As the labour market increasingly expects that employees practice due diligence in their adherence to mandated occupational health & safety legislation and regulations, students will be introduced to the general workplace health, safety and career development issues as they relate to the Canadian environmental industry. Within this context, students must demonstrate certifiable proficiencies in H2SAIive, First Aid with CPR, Workplace Hazardous Materials Information System (WHMIS) and other strategies as required by industry.

ENVS 2020 – Work Experience I

(0 credits) 450 hours (minimum)

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 evaluations carried out by the employer will be required following the work-term.

Prerequisite: Consent of the department.

ENVS 2100 – Introduction to Environmental Science

(3 credits) 3 hours lecture

The course will introduce students to the integrated systems that make up the environment and examines the physical, chemical, biological and human interactions that determine the past, current and future states of the environment. Environmental science explores the relationships between the environment and anthropogenic activities. Understanding these relationships is considered vital to all future environmental decision making. This course will consider a full spectrum of views and information to provide a solid base of understanding and a sustainable direction for the future.

Prerequisite: One of General Education 1101, 1102, or 1103.

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 2203 – Introduction to Soil Science**(3 credits) 3 hours lecture, 3 hours lab**

This course introduces the fundamental principles of soil science: soil formation and the development of life, fertility and environmental quality, importance of soil biodiversity, reclamation strategies, solution models, colloids, solid phase interactions, structural classification of silicates, ion exchange, redox reactions, acids and bases in soils, salinity, erosion processes, field moisture dynamics.

Prerequisite: Chemistry 1202 or 1207.

ENVS 2215 – Applied Instrumentation**(3 credits) 3 hours lecture, 3 hours lab**

This course offers a fundamental understanding of field screening techniques and practices of instrumental measurements for the qualitative determination of substances. The main methods of analysis taught are Atomic Absorption and Emission Spectroscopy, Infrared Spectroscopy, Ion Chromatography, High-Pressure Liquid Chromatography, Gas Chromatography. Students are also introduced to the scientific practice of expressing results and error analysis. The lab component provides hands-on experience with the analytical techniques.

Prerequisites: Chemistry 1202 or 1207.

ENVS 2221 – Water Pollution and Surface Water Analysis**(3 credits) 3 hours lecture, 3 hours lab**

A study of the sources, transport, effects and fates of chemicals in surface waters. Topics include: industrial effluents, the nature and composition of surface waters, the principles of water pollution control, aquatic environmental chemistry. Emphasis will be placed upon water quality analysis: pH, acidity, alkalinity, hardness, residual chlorine, chloride, sulphate, dissolved oxygen, BOD, field sample preservation. Field trips will be arranged involving sampling procedures and field recording of data for chemical and physical water quality parameters.

Prerequisite: Chemistry 1202 or 1207.

ENVS 3020 – Work Experience II**(0 credits) 450 hours (minimum)**

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 evaluations carried out by the employer will be required following the work-term.

Prerequisite: Consent of the department.

ENVS 3303 – Life-Cycle Assessment**(3 credits) 3 hours lecture, 3 hours lab**

Life-cycle assessment (LCA) compiles and analyzes comprehensive information on the overall consumption of resources and the production of wastes during the whole life-cycle of a product or service. For example, in the case of a product, this includes the extraction of the raw materials, the energy used during manufacture and the wastes produced, the energy used to transport the finished product to market, and the ultimate fate of the discarded product. The analysis indicates the potential environmental impact of the product or service, and allows comparisons to be made of alternate products or services. Case studies of a wide variety of industries and industrial processes will be discussed. Laboratories will consist of field studies and simulations using a number of different software packages and databases that are available.

ENVS 3305 – Soil Hydrology**(3 credits) 3 hours lecture, 3 hours lab**

This course provides students with a comprehensive understanding of the underlying principles of soil hydrology systems with respect to general quality, conservation, volume estimation, drainage, improvement and management practices as well as their effects on environmental sustainability.

Prerequisites: Environmental Science 2203 or consent of the department.

ENVS 3307 – Air Pollution Monitoring**(3 credits) 3 hours lecture, 3 hours lab**

This course will examine the methods used to monitor pollutants emitted to the atmosphere, the precision and accuracy of these methods and the audit procedures used to determine compliance, emission credits and documenting improvement to industrial processes.

Prerequisites: Chemistry 1202, 1207, Mathematics 1185 or 1200, or consent of the department.

ENVS 3323 – Watershed Management**(3 credits) 3 hours lecture, 3 hours lab**

Ensuring a safe and adequate supply of water is a global concern. This course is designed to provide an understanding of watershed practice and an approach to managing watershed systems in a sustainable fashion.

Prerequisite: Environmental Science 2221 or 3333 or consent of the department.

ENVS 3333 – Ground Water Contamination**(3 credits) 3 hours lecture, 3 hours lab**

This course will provide a basic understanding in applied hydrogeology with emphasis being on the fate and behaviour of industrial chemicals in the groundwater, the impact of industrial activities on groundwater quality, control, monitoring and remediation of contaminated groundwater systems.

Prerequisite: Chemistry 2157 or consent of the department.

ENVS 3335 – Issues in Environmental Assessment**(3 credits) 3 hours lecture**

This course will review and analyze provincial, national and international environmental assessment issues. Important representative case studies will be reviewed. Guest speakers will be drawn from appropriate organizations. Current methodologies in environmental impact assessment will be covered, including overviews of Risk Assessment, Cumulative Effects Assessment and Strategic Environmental Assessment. The advantages of moving towards Comprehensive Risk Assessment and Comprehensive Policy Support Assessment will be critically discussed. These integrated decision methodologies will be necessary to support environmental policies and be crucial to making progress towards economic and environmental efficiency at all system levels.

Prerequisites: Environmental Science 3307 and 3333.

ENVS 3336 – Indigenous & Stakeholder Consultation in Environmental Management**(3 credits) 3 hours lecture**

This course will review and analyze provincial and national Indigenous and stakeholder consultation issues in environmental management. The course will consider historical, cultural, regulatory and legal, and economic issues in environmental consultation. The course will consider the intersection of all interests on Indigenous and stakeholder consultation, but will have a primary focus on Indigenous consultation. Important Canadian representative case studies will be reviewed. Guest speakers will be invited from appropriate stakeholder groups including Indigenous, industry, government, legal and consultants.

Prerequisites: One of Geography 1103, General Education 1304, Indigenous Studies 1101, or consent of the department.

ENVS 4201 – Environmental Research Methods**(3 credits) 6 hours lab**

Under the supervision of a faculty member, students will complete an independent research project of particular topics in environment science, involving laboratory and field work, where appropriate. Students will acquire skills in formulating hypotheses, experimental design, practical skills, data collection and interpretation, scientific writing and oral communication.

Prerequisites: Environmental Science 3307 and 3333 or consent of the department.



ENVS 4405 – Air Quality**(3 credits) 3 hours lecture, 3 hours lab**

This course will examine the composition, evolution, and future of the earth's atmosphere. It will include human impact, mitigating initiatives and will examine the predictive methods and databases currently in use to predict future scenarios. It will examine the atmosphere as part of the biogeochemical cycling of its constituents.

Prerequisites: Chemistry 2157.

ENVS 4406 – Soil Genesis and Land Use**(3 credits) 3 hours lecture, 3 hours lab**

This course addresses soil systems formation, interpretation, and processes as they relate to soil development, survey and classification. The course also examines soil databases and their application for site evaluation and suitable use with significant attention to environmental issues. Students will develop critical reading skills in order to synthesize and apply information from soil databases towards land management decisions, conservation, and restoration. Students will also participate in research projects under faculty supervision and present their scientific findings in a written report which will then be presented to the department.

Prerequisites: Environmental Science 3305.

ENVS 4407 – Pollution Prevention: Toward Zero Emissions**(3 credits) 3 hours lecture**

This course is a study of the principles of recovery, reuse and recycling ("3R's") of pollutants and contaminants. Examples will be drawn from the 176 currently listed in the National Pollutant Release Inventory (NPRI). Measures taken to reduce the release, allow tracking of transfers, and achieving reductions will be analyzed. Measures to control and reduce emission of carbon dioxide, methane, and other greenhouse gases will be discussed. The technologies and techniques as well as the voluntary and legislative measures will be compared. The petroleum industry will be examined in detail with an examination of wellsite and facility technologies.

Prerequisite: Environmental Science 3307 or consent of the department.

ENVS 4413 – Principles of Eco-Industrial Development**(2 credits) 2 hours lecture**

Students will be introduced to the process of initiating, planning, designing, marketing, financing and operating eco-industrial parks and eco-industrial networks. An examination of case studies on existing eco-industrial parks and the application of key concepts through the completion of a term project with a network of local companies will be involved.

Prerequisites: Successful completion of Semesters 1, 2, 3, 4, and 5 courses or equivalent or consent of the department.

ENVS 4417 – Design for the Environment**(3 credits) 2 hours lecture, 3 hours lab**

This course develops concepts and procedures to integrate and implement the vision of industrial ecology into business decisions. It will examine how leadingedge industrial ecology precepts can be implemented in the real world. The course will explore a systematic approach to support business decisions within the industrial ecology framework. Students will develop skills in incorporating environmental objectives and constraints into process and product design, materials and technology choices. Case studies will highlight DFE success stories. Project work will provide hands-on experience in the DFE field. The course will examine local, regional and global issues related to the design and redesign of industrial systems in order to make them more sustainable.

Prerequisites: Successful completion of Semesters 1, 2, 3, 4, 5, 6 and 7 of the Biogeochemical Stream courses or Physical Processes Stream courses or equivalents or consent of the department.

ENVS 4419 – Regulatory Management**(3 credits) 3 hours lecture**

Students will be introduced to the processes associated with Regulatory Management through case studies of relevant local, regional, national, and international laws, regulations, and treaties governing the environment. The understanding of the origins, current status, and future impacts of these studies will provide insight into the effects of environmental initiatives on the region, the province, Canada and in the international arena.

Prerequisite: Environmental Science 3335.

ENVS 4421 – Environmental Resource Management**(3 credits) 3 hours lecture**

This course investigates development and use of natural resources in modern society with an emphasis on the interrelationship between industrial activities and resource consumption, and their effects on the biosphere. Topics covered include analyses of new directions in products and systems' design, and their impacts on sustainable environmental resource management. Critical international issues in environmental resource management will also be examined.

Prerequisite: Environmental Science 3335 or Geography 2445 or equivalent or departmental approval.

ENVS 4423 – Market Based Initiatives**(3 credits) 3 hours lecture**

This course will examine the initiatives being taken by local, regional, and national governments, and the United Nations to encourage organizations to improve their environmental outcomes for economic reasons. Emission trading, the evolution of environmental law and its role in regulatory management, and the elements of ISO-14000 will be reviewed.

Prerequisite: Mathematics 1200.

ENVS 4431 – Management of Residuals**(3 credits) 3 hours lecture**

This course is designed to provide the students an understanding of the principles and concepts of waste management. Topics include: environmental chemistry of hazardous wastes, principles of industrial metabolism, waste disposal, health risks, regulatory aspects of residuals management, principles of industrial metabolism, optimization of materials.

Prerequisites: Environmental Science 3333 or consent of the department.

ENVS 4433 – Quality Assurance/Quality Control**(3 credits) 3 hours lecture, 3 hours lab**

This course will examine the use of QA/QC procedures to the management of the quality aspects of data collection, generation and use. It will provide an overview of the legal framework within which the data collection, generation and use must operate. It will examine the relationship between QA/QC and legal concepts such as due diligence and strict liability.

Prerequisites: Computer Science 1209 and Environmental Science 2205 or equivalents or consent of the department.

ENVS 4441 – Site System Remediation Design**(3 credits) 3 hours lecture, 3 hours lab**

This course will provide an in-depth technical and practical evaluation of remediation systems for contaminated sites.

Prerequisites: Environmental Science 2203 or consent of the department.

ENVS 1199, 1299 – Directed Readings

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

ECOTOURISM AND OUTDOOR LEADERSHIP (ETOL)

ETOL 2011 – Practicum I

(3 credits) 250 hours of practicum

This is a formal work experience with an assigned organization. Participants will be required to participate in the specified hours of practicum and to complete assignments. Students will be accepted into the practicum upon completion of the prerequisite courses or consent of the department.

Prerequisites: Health and Physical Education 1070 or Physical Education 1171, Ecotourism and Outdoor Leadership 3305 or Health and Physical Education 1640, Ecotourism and Outdoor Leadership 2230, 2270, 3307 and Health and Physical Education 3630.

Note: Students must also be in Good Standing to participate in a Practicum.

ETOL 2230 – Sustainable Tourism (formerly HPED 2230)

(3 credits) 3 hours lecture

This course will study the development of the ecotourism industry. Students will examine the political, economic and management issues and trends related to ecotourism in Alberta, Canada and internationally. Students will initiate the development of a personal portfolio in this course.



ETOL 2270 – Theory and Practice in Leadership (formerly HPED 2270)

(3 credits) 3 hours lecture

This course studies leadership theory and introduces leadership skills that apply the theory in personal, community and work settings. Students are introduced to leadership skills inventories that allow them to analyze and evaluate their leadership skills. Students will reflect on their leadership experiences and develop strategies to plan personal learning opportunities to maximize their leadership skills.

ETOL 3011 – Practicum II

(9 credits) 450 hours of practicum

This practicum experience provides students with a further opportunity to apply the Ecotourism and Outdoor Leadership theories and skills studied during the previous semesters and to continue to build upon their experience from Ecotourism and Outdoor Leadership 2011. It is expected that students will diversify their experience relative to the past experience. Students will be required to submit a practicum plan to the ETOL practicum coordinator prior to embarking on the practicum placement. Goals and strategies will be reviewed by a Faculty Advisor prior to the work-term. Students will be accepted into the practicum upon completion of the course Prerequisites and/or consent of the department chair.

Prerequisite: Ecotourism and Outdoor Leadership 2011.

ETOL 3230 – Ecotourism Facilitation Skills (formerly HPED 3230)

(3 credits) 3 hours lecture

This course studies the knowledge and skills of leading groups in global ecotourism environments. Students will study teaching and learning methodologies, learning styles, interpretation, group facilitation, moderator techniques, needs assessment surveys and program assessment methods.

Prerequisites: Ecotourism and Outdoor Leadership 2230, 2270, and one of Communications 1845 or Health and Physical Education 1020.

ETOL 3270 – Expedition (formerly HPED 3270)

(3 credits) 1 hour lecture, 96 hours fieldwork

This course is designed to familiarize students with a variety of outdoor activities, such as cycle touring, canoeing and kayaking, backpacking, caving, rock climbing and mountaineering. The emphasis will be on experiential methods of learning and practical application of leadership skills. Participation is required in a 10-day expedition.

Prerequisites: Health and Physical Education 1070 or Physical Education 1171 and Health and Physical Education 2870 and 2880 or consent of the department.

Note: Students will be responsible for payment of personal subsistence costs associated with the fieldwork.

ETOL 3305 – Program Planning

(3 credits) 3 hours lecture

This course involves the study of the theory, method and techniques of program planning in ecotourism and outdoor leadership. Students will plan, develop and implement a program.

Prerequisites: Ecotourism and Outdoor Leadership 2201 or Physical Education 1171, and Ecotourism and Outdoor Leadership 2203.

Note: Only one of Ecotourism and Outdoor Leadership 2201 and Physical Education 1171 can be used to satisfy graduation requirements for the Bachelor of Applied Ecotourism and Outdoor Leadership.

ETOL 3307 – Administration of Outdoor Centres

(3 credits) 3 hours lecture

This course provides a study of the organization and administration of outdoor centres. The student will study and report on outdoor centre organization; administrative systems; training programs; facilities and standards.

ETOL 3309 – Individual Projects

(3 credits) 3 hours lecture

Students will complete individual project assignments negotiated with the course instructor.

Prerequisites: Health and Physical Education 1070 or Physical Education 1171, Ecotourism and Outdoor Leadership 2230 and 3305.

ETOL 4270 – Applied Leadership (formerly HPED 4270)

(3 credits) 3 hours lecture

Students will plan, develop, market, implement and report on an ecotourism outdoor leadership event.

Prerequisites: Ecotourism and Outdoor Leadership 3305 or Health and Physical Education 1640 and Ecotourism and Outdoor Leadership 3230.

ETOL 5010 – E-portfolio

(3 credits) 3 hours lecture

In order to make the transition between the Ecotourism and Outdoor Leadership Applied Degree (ETOL) program and full-time career opportunity, several steps have been put in place to create a meaningful representation of the educational experiences successfully completed at Mount Royal University. This course is designed to encapsulate, in electronic portfolio format, those experiences and will include such diverse elements as: ETOL courses completed, certifications gained, practicum-based work experience undertaken, significant outdoor trips and expeditions accomplished, etc. This is a capstone course for the program that will aim to tie all learning experiences together into one format.

ETOL 5200 – Issues in Ecotourism and Outdoor Leadership (formerly HPED 5200)

(3 credits) 3 hours lecture

This course addresses the evolving nature of the field of ecotourism and tourism locally, nationally and internationally. Students will study the issues related to standards, advocacy groups, private industry, certification, leadership and future trends.

Prerequisites: Ecotourism and Outdoor Leadership 3230 and Health and Physical Education 3050 or Ecotourism and Outdoor Leadership 3011 or with department consent.

FILM STUDIES (FILM)

FILM 1143 – Introduction to the Study of Film

(3 credits) 4 hours lecture

This course surveys the history of narrative film from its beginnings to the present. Students will view and discuss, historically and aesthetically, approximately 10 major films, paying particular attention to their “film language”. The influence of technology, film theories and criticism will, where appropriate, be considered. Written assignments will offer students practice in film analysis.

Prerequisite: English Language Arts 30-1 or equivalent.

Recommended Preparation: English 0212 or English 1101/General Education 1401 or 1403 or 1404.



C4
T2

FILM 2221 – Contemporary Global Film (formerly FILM 2214)

(3 credits) 4 hours lecture

This course surveys a representative selection of contemporary films from around the world and specifically beyond mainstream American productions. Assignments will offer students practice in comparative film criticism and appreciation.

Prerequisites: One of Film Studies 1143, 2246, Art History 1101, 1103, 2207, 2209, Communications 2500, 3521, or History 2291 and one of English 1101/General Education 1401 or 1403 or 1404.

Note: Only one of FILM 1144, 2214 or 2221 can be used to satisfy graduation requirements. Students repeating this course should be aware that FILM 2214 and FILM 2221 satisfy different General Education requirements.



C4
T3

FILM 2231 – Indigenous Film

(3 credits) 4 hours lecture

This course examines the dynamic changes of images of American Indians, Aboriginals, and other Indigenous Peoples from the silent era to contemporary Indigenous-auteured productions. The influences of visual media and the critical responses will explore issues of identity, gender, power, performance, and sovereignty. We will engage various genres and mediums.

Prerequisites: One of Film Studies 1143, 2221, 2246, Art History 1101, 1103, 2207, 2209, Communications 2500, 3521, History 2291, Indigenous Studies 1101 or 1111 and one of English 1101/General Education 1401, 1403 or 1404.



C3
T3

FILM 2246 – Film Genres

(3 credits) 4 hours lecture

This intermediate course surveys a number of film genres, ranging from westerns, noir, romance, comedy, gangster, adventure, horror, sci-fi/fantasy, and epics to zombie/slasher, and various cult forms. Cross-genre films will also be considered as the course overall moves to questions of genre history, precedents, and development.

Prerequisites: One of Film Studies 1143, 2221, Art History 1101, 1103, 2207, 2209, Communications 2500, 3521, or History 2291 and one of English 1101/General Education 1401 or 1403 or 1404.



C4
T3

FILM 2251 – The Art of Adaptation

(3 credits) 4 hours lecture

This interdisciplinary course moves across periods as well as genres—from classics to comics—to examine relationships between original works and works adapted to other media. Focusing mostly (though not exclusively) on cinematic adaptations of literary works, this course addresses a range of issues connected to authenticity, presence, intertextualities, and the interplay between print and performance.

Prerequisite: One of English 1101/General Education 1401, 1403, or 1404 and one of Film Studies 1143, 2221, 2246, 3345, 3349, 3701, Anthropology 2243, Art History 1101, 1103, 2207, 2209, Communications 22500, 3521, Creative Writing 3305, English 1151, 1152, French 3343, History 2291, or Spanish 3312.



C4
T3

FILM 2260 – The Modern Horror Film

(3 credits) 4 hours lecture

This course explores the formal and ideological properties of the modern horror film, from Hitchcock's Psycho to contemporary subgenres such as Redneck Horror, Comedy Horror, Home Invasion, Psychological Horror, Torture Porn, and The New French Extremity.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of Film Studies 1143, 2221, 2246, 2251, 2270, 3345, 3349, 3370, 3701, Anthropology 2243, Art History 1101, 1103, 2207, 2209, 3311, Communications 2500, 3521, Creative Writing 3305, English 3256, 3309, French 3343, History 2291, Spanish 2220 or 3312.

FILM 2270 – American Independent Cinema

(3 credits) 4 hours lecture

This intermediate course examines the American 'Indie' film movement, specifically the cultural forces that combined to give voice to filmmakers marginalized by mainstream Hollywood. The rise, influence, and co-opting of the movement will be understood through critique of style, sensibility, narrative, industrial contexts, and changing political landscapes.

Prerequisite: One of English 1101/General Education 1401, 1403, or 1404 and one of Film Studies 1143, 2221, 2246, 2251, 3345, 3349, 3701, Anthropology 2243, Art History 1101, 1103, 2207, 2209, Communications 2500, 3521, Creative Writing 3305, English 1151, 1152, French 3343, History 2291, or Spanish 3312.

FILM 3345 – Film Reviewing, Criticism, and Theory

(3 credits) 3 hours lecture

This course examines writing about film in the context of various intellectual and social frameworks. The emphasis is on how viewers may choose to think about and respond to film. Topics may include filmic, political, and theoretical ideas that range from academic film theory to broader questions concerning culture and audience.

Prerequisites: One of Film Studies 1143, 2221, 2246, Art History 1101, 1103, 2207, 2209, Communications 2500, 3521, English 2202, 3310, 3382, or History 2291 and one of English 1101/General Education 1401 or 1403 or 1404.

Recommended Preparation: Film Studies 2221.



C4
T3

FILM 3349 – Canadian Film

(3 credit) 3 hours lecture

This course explores the history, development, distinctiveness, and cultural significance of film in Canada. Examining Canadian films, students will explore works in different genres, engage issues of film production, and focus upon questions of film interpretation. These areas of study will foster an understanding of the creation of “Canada” and the “Canadian” through film.

Prerequisite: One of Film Studies 1143, 2221, 2246, 3345, Canadian Studies 1131, 3730, Communications 2500, 3521, English 2270, 2271, 3372, History 2291 or 3356. *Recommended preparation:* at least one of Film Studies 2221, 2246, and 3345.



C4
T3

FILM 3370 – Ecocinema

(3 credits) 3 hours lecture

This course explores environmentally themed cinema and the act of interpreting all forms of cinema from an ecocritical perspective. Mainstream film, documentary, interactive online cinema, ecogaming, and experimental video will be understood through an examination of film's own eco-materiality and through theories of the posthuman.

Prerequisites: One of English 1101/General Education 1401, 1403, or 1404 and one of Film Studies 1143, 2221, 2246, 2251, 2270, 3345, 3349, 3701, Anthropology 2243, Art History 1101, 1103, 2207, 2209, Communications 2500, 3521, Creative Writing 3305, English 1151, 1152, French 3343, History 2291, or Spanish 3312.

Recommended preparation: Film Studies 2221.



C2
T3

FILM 3701 – Studies in Film

(3 credits) 3 hours lecture

Varying in topic from semester to semester, this course examines a range of themes and debates in Film Studies. Film may be studied from a variety of perspectives, historical moments, genres or themes.



Prerequisites: One of Film Studies 1143, 2221, 2246, Art History 1101, 1103, 2207, 2209, Communications 2500, 3521, English 2202, 3310, 3382, or History 2291 and one of English 1101/General Education 1401 or 1403 or 1404.

Recommended Preparation: Film Studies 2214 or 2246.

FILM 3199, 4199 – Directed Readings

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

FLIGHT TRAINING (FLTR)**FLTR 1100 – Pilot Indoctrination**

(0 credits) Dual and simulator training and ground briefing

This course introduces students to commercial level flying.

Prerequisite: Assessment Flight.

FLTR 1101 – VFR Navigation

(0 credits) Solo, dual and simulator training and ground briefing

Students will be introduced to VFR navigation flight and basic instrument flying.

Prerequisite: Flight Training 1100.

FLTR 1102 – Applied Navigation and Instrument

(0 credits) Solo, dual and simulator training and ground briefing

Students will develop their navigation and instrument abilities.

Prerequisite: Flight Training 1101.

FLTR 1103 – Night Rating

(0 credits) Solo, dual and simulator training and ground briefing

Students will prepare for their Night Rating. The focuses on developing the skills required to allow them to operate aircraft safely at night.

Prerequisite: Flight Training 1101.

FLTR 1105 – Multi-engine Rating (formerly FLTR 2101)

(0 credits) Solo, dual, twin and simulator training and ground briefing

Through this course students will develop proficiency in flying Multi-Engine aircraft and prepare for an ME test.

Prerequisite: Flight Training 1102 and 1103.

FLTR 1201 – Navigation Flight 1

(0 credits) Solo training and ground briefing

Students will develop their abilities to fly cross country and sharpen their navigational abilities. This class has 5.5 hours of instruction including solo flying and ground briefings.

Prerequisite: Flight Training 1101.

Recommended preparation: Flight Training 1103.

FLTR 1202 – Navigation Flight 2

(0 credits) Solo training and ground briefing

Students will develop their abilities to fly cross country and sharpen their navigational abilities. This class has 11 hours of instruction including solo flying and ground briefings.

Prerequisite: Flight Training 1101.

Recommended preparation: Flight Training 1103.

FLTR 1203 – Navigation Flight 3

(0 credits) Solo training and ground briefing

Students will develop their abilities to fly cross country and sharpen their navigational abilities. This class has 16.5 hours of instruction including solo flying and ground briefings.

Prerequisite: Flight Training 1101.

Recommended preparation: Flight Training 1103.

FLTR 1204 – Navigation Flight 4

(0 credits) Solo training and ground briefing

Students will develop their abilities to fly cross country and sharpen their navigational abilities. This class has 22 hours of instruction including solo flying and ground briefings.

Prerequisite: Flight Training 1101.

Recommended Preparation: Flight Training 1103.

FLTR 1300 – Extra Dual Flight: C-172

(0 credits) Dual training and ground briefing

This course provides a dual flight to focus on developing areas of skill that students are having difficulty with.

FLTR 1301 – Extra Ground Briefing/Mentor Sim

(0 credits) Procedures training and/or ground briefing

This course focuses on developing areas of skill or knowledge that students are having difficulty with.

FLTR 1302 – Extra Solo Flight: C-172

(0 credits) Solo flight training and ground briefing

This course provides a solo flight to focus on developing areas of skill that students are having difficulty with.

FLTR 1303 – Additional Training: C-172

(0 credits) Dual training and ground briefing

This course provides students with a package of further training on the single engine aircraft.

FLTR 1304 – Extra Dual Flight: Twin

(0 credits) Dual multi-engine training and ground briefing

This course provides students with one extra training session in the multi-engine aircraft.

FLTR 1305 – Extra Dual Flight: Simulator

(0 credits) Simulator training and ground briefing

This course provides students with one extra training session in the simulator.

FLTR 2100 – Currency

(0 credits) Solo, dual and simulator training and ground briefing

This course develops students proficiency in single engine day and night solo flying.

Prerequisite: Admission into second year of the Aviation Diploma.

FLTR 2102 – IFR Navigation and Holds

(0 credits) Solo, dual and simulator training and ground briefing

This course develops proficiency in IFR navigation as well as developing a deeper understanding of navigation and serviceability.

Prerequisites: Flight Training 2100 and Flight Training 2106.

FLTR 2103 – Approach Basics

(0 credits) Solo, dual and simulator training and ground briefing

Students will develop their proficiency in holds and approaches, including familiarity in briefings and charts.

Prerequisite: Flight Training 2102.

FLTR 2104 – IFR Operations

(0 credits) Solo, dual and simulator training and ground briefing

Students will develop their understanding of operations and approaches in controlled and uncontrolled airspaces. They will deepen their appreciation of the air picture.

Prerequisite: Flight Training 2103.

FLTR 2105 – Group 1 Instrument Rating

(0 credits) Solo, dual, twin and simulator training and ground briefing

Students will improve and refine their Multi-Engine skills and prepare for their Multi-Engine instrument exam.

Prerequisites: Flight Training 2104, 50 hours PIC cross country, INRAT complete.

FLTR 2106 – Commercial Pilot License Flight Test Preparation (formerly FLTR 1104)

(0 credits) Solo, dual and simulator training and ground briefing

This course is focused on preparing students for the Commercial Pilot's Test. It focuses on refining the skills developed in previous courses and addressing any areas of weakness prior to the flight test.

Prerequisite: Flight Training 1102, 1103, completion of the Commercial Pilot License written exam and 135 flight hours.

FLTR 2201 – Navigation Flight 5

(0 credits) Solo training and ground briefing

Students will develop their abilities to fly cross country and sharpen their navigational abilities. This class has 11 hours of training and instruction.

FLTR 2202 – Navigation Flight 6

(0 credits) Solo, dual and simulator training and ground briefing

Students will develop their abilities to fly cross country and sharpen their navigational abilities. This class has 16.5 hours of training and instruction.

FLTR 2203 – Navigation Flight 7

(0 credits) Solo training and ground briefing

This course provides students with the opportunity to develop their cross country flying proficiency in a Piper Arrow aircraft. This course has 11 hours of training and instruction.

FLTR 2204 – Navigation Flight 8

(0 credits) Solo training and ground briefing

This course provides students with the opportunity to develop their cross country flying proficiency in a Piper Arrow aircraft. This course has 16.5 hours of training and instruction.

FLTR 2300 – Extra Dual Flight: Twin Advanced

(0 credits) Dual Multi-Engine training and ground briefing

This course provides students with one extra training session in the Multi-Engine aircraft.

FLTR 2301 – Extra Dual Flight: Simulator Advanced

(0 credits) Simulator training and ground briefing

This course provides students with one extra training session in the simulator.

FLTR 2302 – Additional Training: Twin

(0 credits) Multi dual and simulator training and ground briefing

This course provides students with a package of further training on the Multi-Engine aircraft.

FLTR 2303 – Additional Training: Simulator

(0 credits) Simulator training and ground briefing

This provides students with a package of further training in the simulator to increase proficiency.

FLTR 2304 – Extra Dual Flight: C-172 Advanced

(0 credits) Dual training and ground briefing

This course provides students with one extra dual training session in the single engine aircraft.

FLTR 2305 – Extra Ground Brief/Mentor Advanced

(0 credits) Procedures training and/or ground briefing

This course focuses on developing areas of skill or knowledge that students are having difficulty with.

FINANCE (FNCE)

FNCE 2130 – Personal Finance

(3 credits) 3 hours lecture

This course explores the importance of financial planning within the Canadian political and economic environment, enabling students to understand the principles and practices of managing personal finances. Students will develop an appreciation for financial planning, both in the short and long-term, including making informed decisions about personal budgeting, use of credit, insurance, taxation, investment alternatives, and other important considerations.



FNCE 2132 – Introduction to the Stock Market

(3 credits) 3 hours lecture

This course focuses on key principles of fundamental and technical analysis necessary to make successful investment decisions. Examined are key factors which influence various financial markets. Students will participate in a group stock market game by applying stock selection principles to construct a portfolio.



FNCE 3201 – Retirement Planning

(3 credits) 3 hours lecture

This course provides a detailed look at how individuals plan for, and make financial decisions related to retirement. It is designed to prepare the financial planner to provide guidance to clients on the retirement planning process, the various private and government pension plans, investment products for retirement, income tax implications, and the numerous strategies available to them. The taxation of retirement income will be examined, along with the tax planning opportunities that are available. Students have the opportunity to write the Retirement Planning exam of the Canadian Institute of Financial Planning, one of four that lead towards the Certified Financial Planner (CFP) designation.

FNCE 3203 – Income Tax Planning

(3 credits) 3 hours lecture

This course is designed to help financial planners build the knowledge and judgment necessary to guide clients in managing their business and financial assets. The course examines how various business forms (including proprietorships, partnerships, and corporations) are structured and taxed, and how they can be used to generate wealth for the owner/manager or the passive investor. It explores the taxation of investment income, including property income, interest, dividends and capital gains, and reviews the main deductions available for various income sources. This is followed by a discussion of how an individual can make use of the different tax strategies available to maximize his or her wealth accumulation. Students have the opportunity to write the Income Tax Planning exam of the Canadian Institute of Financial Planning, one of four that lead towards the Certified Financial Planner (CFP) designation.

FNCE 3205 – Strategic Investment Planning

(3 credits) 3 hours lecture

This course examines the theory and various strategies underlying decisions in the area of strategic investment planning. Among the instruments described are guaranteed, interest-producing investments; bonds and debentures; mutual funds; and financial derivatives. Methods of fundamental and technical analysis of potential investments are discussed, as well as real estate and tax shelters. Students have the opportunity to write the Strategic Investment Planning exam of the Canadian Institute of Financial Planning, one of four that lead towards the Certified Financial Planner (CFP) designation.

FNCE 3207 – Risk Management and Estate Planning**(3 credits) 3 hours lecture**

This course provides a detailed look at the risk management process and the insurance products that are available to manage risk. It examines the risks of disability, death, and property and liability losses. Students will study the legal requirements of insurance policies and the application of the risk management process. This course also covers the estate planning process including property interests, family law, intestacy, probate, wills, powers of attorney, taxation upon death, trust and estate freezes. Students have the opportunity to write the Risk Management and Estate Planning exam of the Canadian Institute of Financial Planning, one of four that lead towards the Certified Financial Planner (CFP) designation.

FNCE 3227 – Introduction to Finance**(3 credits) 3 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.***FNCE 3228 – Advanced Corporate Finance****(3 credits) 3 hours lecture**

This course is intended to consolidate students' understanding of the theories and practices of effective financial decision-making in a corporate environment, and to assess the impact of these decisions on the firm's performance. Course coverage includes the economic theory of the firm, advanced capital budgeting concepts, stakeholder conflicts, and mergers and acquisitions. Special attention will be paid to developing a comprehensive approach to solving financial problems. Real world examples and financial modeling will be used throughout the course to give an applied context to the subject matter.

*Prerequisite: Finance 3227.***FNCE 3302 – International Finance (formerly INBU 3303)****(3 credits) 3 hours lecture**

Financing plays an essential role in international trade – and your international finance training must be practical, hands-on and adaptable to your business environment. Topics in International Finance include the role of financing in international trade, risk analysis, exchange rates, export costing, official sources of trade financing and cash flow planning.

*Prerequisite: Finance 3227.***FNCE 3304 – Business and Financial Modeling****(3 credits) 3 hours lecture or online**

This course develops the skills associated with using spreadsheets as tools for applying basic theories and concepts from finance and accounting in order to facilitate business and financial decision making. These techniques may include financial statement analysis, data analysis, forecasting, asset valuation, capital budgeting, and risk assessment.

*Prerequisite: Finance 3227.***FNCE 4407 – Investments and Portfolio Management****(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 3228 or 3302.***FNCE 4408 – Financial Risk Management****(formerly MGMT 4408)****(3 credits) 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 3302.***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 synthesized, 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.

*Prerequisite: Finance 3228.***FNCE 5010 – Advanced Topics in Finance****(3 credits) 3 hours lecture**

This course will provide a capstone experience for finance students. Students will consider a series of cases chosen to introduce authentic finance industry topics, decision processes and strategies. The cases will integrate the study of several key finance themes. Ethics and ethical practice will form a major component of the course and will be drawn from the CFA® Institute's Code of Ethics and Standards of Professional Conduct. Students completing this course will be equipped to address complex global issues as ethically informed practitioners of modern finance.

*Prerequisites: Finance 3228 and 3302 and 4407; or consent of the department.***FNCE 3399, 4499 – Directed Readings**

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

FRENCH (FREN)

Students who register for a French course in the Department of English, Languages, and Cultures must ensure that they register in a course appropriate to their level of language skills. Students with previous knowledge of French are required to contact the Department of English, Languages, and Cultures in order to take a placement test to determine the appropriate course level prior to registering in a French course.

Normally, students who have completed French 30 should register in French 2216. Students who have completed FLA 30 should register in French 2235. Students who are unsure of their level should contact the department to take a short placement test and/or take the online placement test available on the French web page.

All placement tests should be written as early as possible. For further information, please contact the Secretary of the Department of English, Languages, and Cultures 403.440.6528.

Students who register in a course that is not appropriate to their level of language proficiency, as determined by the Department of English, Languages, and Cultures, may be deregistered from the class without prior knowledge.

FREN 1109 – Beginners' French I**(3 credits) 4 hours lecture, 1 hour lab**

Basic elements of the French language, including training in comprehension, speaking, reading and writing of French.

Note: Not open to students with credit in French 20, 30, 31 or equivalent.



FREN 1111 – Beginners' French II

(3 credits) 4 hours lecture, 1 hour lab

A continuation of French 1109.

*Prerequisite: French 1109, or consent of the department.***Note:** Not open to students with credit in French 30, 31 or equivalent.**FREN 1113 – Beginners' French III**

(3 credits) 4 hours lecture, 1 hour lab

A continuation of French 1111.

*Prerequisite: French 1111 or consent of the department.***Note:** Students are encouraged to check their proficiency level by taking the on-line Placement Test available on the department web page.

This course may be open to students with French 30, 31 or equivalent depending on their results on the on-line Placement Test.

**FREN 2216 – Francophonie: Language and Culture I**

(3 credits) 4 hours lecture, 1 hour lab

This course provides a study of French language and culture in French-speaking countries, including France, Canada, and other parts of the world. Students develop their ability in spoken and written French, building upon a knowledge of basic grammar.

Prerequisite: French 30 or 31 or equivalent; French 1113 or consent of the department.

Students are encouraged to check their proficiency level by taking the on-line Placement Test available on the department web page.

**FREN 2218 – Francophonie: Language and Culture II**

(3 credits) 4 hours lecture, 1 hour lab

This course is a continuation of French 2216, with additional grammatical structures and vocabulary.

Prerequisite: French 2216 or consent of the chair of the department.

Students are encouraged to check their proficiency level by taking the on-line Placement Test available on the department web page.

**FREN 2235 – Second-Year University French I**

(3 credits) 4 hours lecture

Advanced training in grammar, vocabulary, reading and writing.

Prerequisite: French Language Arts 30, French 2218, or consent of the department.

Students are encouraged to check their proficiency level by taking the on-line Placement Test available on the department web page.

**FREN 2237 – Second-Year University French II**

(3 credits) 4 hours lecture

A continuation of French 2235.

Prerequisite: French 2235 or consent of the department.**FREN 2250 – Contemporary French Culture and Civilization**

(3 credits) 3 hours lecture

This course explores features of contemporary France from a cultural perspective, and also includes a brief overview of French civilization and its impact on modern French society.

Note: Classes will be taught in English. No knowledge of the French language is required.**FREN 3325 – Contemporary French Civilization**

(3 credits) 3 hours lecture

This French language civilization course provides students with an opportunity to use French as a working language to study contemporary French society. Students read selected texts at the intermediate level related to the major political, social, economic and cultural forces at work in France today.

Pre or Corequisite: French 2235 or consent of the department.**FREN 3335 – Translation I**

(3 credits) 3 hours lecture

This course offers an introduction to translation theory and practice to students who are proficient in English and have a good command of French. Students will gain an understanding of the issues which arise in translating a variety of texts, and will practice strategies for solving these challenges.

Prerequisite: French 2237 or consent from the department.**FREN 3339 – Francophone Literatures I**

(3 credits) 3 hours lecture

This course offers an introductory study of French and French Canadian literatures. It examines a selection of novels, poems and plays written by well-known francophone authors. It addresses literary movements and themes, focusing the attention of students on cultural issues that have shaped the emergence of these literatures.

Prerequisite: French 2235 or 2237 or consent of the department.**FREN 3341 – Writing Styles and Skills**

(3 credits) 3 hours lecture

This course is designed to help students develop their writing skills in French by concentrating on the structures of sentences, paragraphs and essays. Students will also enrich their vocabulary and acquire a knowledge of writing styles by studying a variety of contemporary texts. Students will improve their own writing skills by putting this knowledge into practice.

Prerequisite: French 2235 or 2237 or consent of the department.**FREN 3342 – Francophone Canada**

(3 credits) 3 hours lecture

This course will explore the many facets – historical, sociological, cultural, legal – of francophone communities throughout Canada. It will include a Community Service Learning component that will allow students to familiarize themselves with the Calgary francophone community and improve their oral and written skills.

Pre or Corequisite: French 2235 or consent of the department.**FREN 3343 – Francophone Cinema for Oral and Written Communication**

(3 credits) 3 hours lecture

An intermediate course in French using French films as a vehicle to promote oral/aural and written mastery.

Prerequisite: French 2218, or consent of the department.**FREN 3349 – French Phonetics**

(3 credits) 3 hours lecture

This course provides an introduction to French phonology, including comparative and contrastive differences between French and English. It is a practical course emphasizing phonetic correction.

Prerequisite: French 2218, or consent of the chair of the department.

FREN 4435 – Translation II

(3 credits) 3 hours lecture

This course offers advanced translation theory and practice to students who are proficient in English and have a very good command of French. Students will gain a better understanding of translation issues and translation skills through translating a variety of texts, and will practice strategies for solving these challenges.

Prerequisite: French 3335 or consent of the department.

**FREN 4439 – Canadian Travel Writing**

(3 credits) 3 hours lecture

This course explores the generic aspects of travel literature in French (travel discourse, representations of Otherness and of space, factual writing) with a focus on the Western Canadian regions from the end of the Eighteenth Century to the present.

Prerequisite: French 3339 or consent of the department.

**FREN 3199, 4199 – Directed Readings**

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

GEOGRAPHY (GEOG)**GEOG 1101 – The Physical Environment**

(3 credits) 3 hours lecture, 1 hour lab

This course is an introduction to the physical elements of the environment. Topics include: weather, climate, hydrology, landforms, soils, vegetation, and the processes producing variations of these elements on the surface of the earth. Examples of environmental inter-relationships and problems that affect humanity are emphasized.

**GEOG 1102 – World Regional Geography**

(3 credits) 3 hours lecture

The major cultural regions of the world are introduced in this course. Emphasis is placed on cultural characteristics, including population, political situation, economy, language, and religion, as well as the physical environment, including landforms and climate, that make regions distinctive. Historical developments provide context for understanding regional features. This course provides the background for understanding current world affairs.

**GEOG 1103 – The Human Environment**

(3 credits) 3 hours lecture, 1 hour lab

This course is the study of societies and cultures; their economies, technologies and political systems as these influence human use of physical and natural environments. The course concentrates on human/environment interrelationships and the manner in which humans attempt to impose order upon the surface of the earth. Some emphasis will be placed on student projects in the laboratories.

**GEOG 1105 – Introduction to Mapping, GIS and Remote Sensing**

(3 credits) 3 hours lecture, 3 hours lab

This course covers three key areas of geographical techniques: 1) an introduction to topographic and thematic maps, map projections, and map design and layout; 2) the use of geographic information systems to manipulate and visualize data and; 3) an introduction to digital imagery and remote sensing. This course utilizes descriptive statistics and includes a hands-on applied computer component.

**GEOG 2107 – Weather and Climate**

(3 credits) 3 hours lecture, 2 hours lab

This course involves the study of physical principles of meteorology and climatology. Air masses and fronts, mid-latitude depressions, small and large-scale storms, atmospheric-oceanic coupled circulations, and human-induced climate change are among the topics presented. The characteristics and distributions of climates are explored. Laboratory work emphasizes North American examples.

Recommended Preparation: Geography 1101.

**GEOG 2109 – Ecological Land Classification and Soils**

(3 credits) 3 hours lecture, 3 hours lab

This course includes a study of the physical, chemical and biological characteristics of soils, and the processes and factors of soil formation. Course topics will also include an exploration of land morphology, soil and plant relationships, and their classification. Laboratory work will include the analysis of samples gathered in the field.

Recommended Preparation: One of Geography 1101, 2111, Geology 1101 or 1109.

GEOG 2111 – Earth's Changing Surface

(3 credits) 3 hours lecture, 3 hours lab

This course provides a foundation in geomorphology - landforms and earth surface processes - combining theoretical, experiential and applied learning. Students will draw upon knowledge gained in lectures, labs and field trips to learn and make sense of the natural landscape around them.

Recommended Preparation: One of Geography 1101, 2109, Geology 1101, 1103 or 1109.

GEOG 2225 – Regional Geography of Canada

(3 credits) 3 hours lecture

This course involves a regional geography approach to the study of Canada. Included is the study of the physical framework of Canada and its significance in Canada's historical development. The concept of geographic regions, and the patterns and characteristics of these regions are explored using selected detailed studies.



Recommended Preparation: A previous course in Geography.

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 2235 – Regional Geography of Asia

(3 credits) 3 hours lecture

This course involves a regional geography approach to the study of Asia. The approach emphasizes that geographical space can be conceptualized into regions which provides a logical division based on culture, physiography, history, migration, and social and economic experiences. At the same time, the course emphasizes issues of political and economic development and the environmental impacts relating to rapid growth and intensive use of resources as well as regional differences and adaptations to the forces of globalization that is rapidly changing the human and environmental landscape in Asia.

Recommended Preparation: Geography 1102 or a previous course in geography.

GEOG 2333 – Geography of the World Economy

(3 credits) 3 hours lecture

This course involves a study of the spatial organization and distribution of economic activity, including: production; transportation; communication; and consumption. Students will also explore the history and geographic structure of the capitalist world economy as well as the processes of economic globalization and the challenges associated with development.

Recommended Preparation: Geography 1103.

**GEOG 2335 – Cities in the Modern World**

(3 credits) 3 hours lecture

This course explores the processes that form cities and urban life using a geographical perspective. Topics include: the origins and development of cities; changing urban form and function; how cities have been transformed by technology; the economic and social landscapes of the city; and modern challenges to the urban fabric such as sprawl and inner city decay. The course will also focus on imagining and designing the cities of the future.

Recommended Preparation: Geography 1103 or a previous course in Geography.

**GEOG 2337 – Political Geography**

(3 credits) 3 hours lecture

As a branch of human geography, political geography is the study of power and place. It is concerned with both the spatially uneven outcomes of political processes and the ways in which political processes are themselves affected by spatial structures and boundaries. Primary areas of study in political geography include: the spatiality of states; geopolitics; geographies of political and social movements; places and the politics of identities; the geographies of nationalism and ethnic conflict; and the politics of the environment.

Recommended Preparation: Geography 1103.

**GEOG 2437 – Biogeography**

(3 credits) 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) 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) 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) 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.

Recommended Preparation: Geography 1105.

**GEOG 2555 – Introduction to Remote Sensing**

(3 credits) 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 – Conservation Biogeography

(3 credits) 3 hours lecture, 3 hours lab

This course is designed to advance knowledge in the fields of biogeography, physical geography, and land-use conservation. Drawing from topics in physical geography, 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.

Recommended preparation: Geography 2107 or 2109 or 2111 or 2437.

GEOG 3109 – 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 3309 – Field Study in Human Geography

(3 credits) 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 3445 – Global Environmental Issues

(3 credits) 3 hours lecture

This course focuses on the science, politics, and geography of global environmental issues. Advancing human and physical geographic concepts, theories and models this course will use a spatial approach to address environmental issues, discourses, and worldviews. Specific topics of study include: sustainable development; the biodiversity crisis; globalization and environmental politics; geopolitics and environmental security; and ecological modernization.

Recommended Preparation: A previous course in Geography.

GEOG 3447 – Parks and Protected Areas

(3 credits) 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 the department.

GEOG 4129 – Advanced Field Study in Physical Geography (formerly GEOG 3129)**(3 credits) 3 week field school**

This course is a continuation of the Field Study in physical geography course. Students practice field research and reconnaissance survey techniques in physical geography, as applied to regions within and 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 4329 – Advanced Field Study in Human Geography (formerly GEOG 3329)**(3 credits) 3 week field school**

This course is a continuation of the Field Study in Human Geography course. Students practice field research and reconnaissance survey techniques in human geography, as applied to regions within and 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 4440 – Sustainable Development Geography**(3 credits) 3 hours lecture**

This course is about the spatial patterns of sustainable development. It offers a critical exploration of the development studies field, as well as the practices and experiences of development throughout the world. Course topics include: a critical analysis of the idea and concept of development; the role of the environment in development; the intersection of governance, capitalism, and development; and an exploration of specific cases from the developing and developed world.

Prerequisite: One of Geography 2333, 2335, 2337, 2443, 2445, 3445, 3447, Economics 2261, Sociology 4421, or consent of the department.

GEOG 3199, 4199 – Directed Readings

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

GEOLOGY (GEOL)**GEOL 1101 – Physical Geology****(3 credits) 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 1101, 1120, or 2209.

GEOL 1103 – Historical Geology**(3 credits) 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) 3 hours lecture**

Topics covered in this course include 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 2103 – Minerals and Rocks**(3 credits) 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 with a minimum grade of C- and Geology 1103 with a minimum grade of B- or consent of the department.

GEOL 2105 – Structural Geology**(3 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 with a grade of B- or higher and consent of the department.

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) 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) 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.

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

GEOL 2111 – Crystallography and Optical Mineralogy**(3 credits) 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) 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 1109.



GEOL 2153 – Natural Hazards and Disasters

(3 credits) 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 1109.



GEOL 2155 – Geological History of Life

(3 credits) 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: One of Biology 1205, 1212, 1216, Chemistry 1203, 2211, Geography 1101, 1105, 2437, Geology 1101, 1103 or 1109 with a grade of C- or higher or consent of the department.

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



GEOL 2300 – Geological Field Methods I

(1.5 credits) 5-day field school

An introduction to field geology during five days of geological field work in Mesozoic and Palaeozoic rocks near Calgary. Students explore local and regional lithostratigraphy and are introduced to techniques of geological mapping. Emphasis is placed on the detailed measurement and description of sedimentary rocks in the field and the application of geologic concepts to practical problems. This course is offered during a special session immediately preceding the Fall Semester and must be taken by those enrolling in the Geology major.

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

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

Prerequisites: Geology 2109 and 2111 with a minimum grade of C- or higher.

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 3109 with a minimum grade of C- or higher.

GEOL 3113 – Geochemistry

(3 credits) 3 hours lecture, 3 hours lab

An examination of the chemical processes in geologic settings with emphasis on the origin, composition, and chemical fluxes within the Earth's lithosphere. Topics of study include chemical differentiation of the solar system; formation of the elements; evolution of the crust, mantle and core; radiogenic and stable isotopes; application of geochemistry to mineral exploration.

Prerequisite: Geology 3103 with a grade C- or higher.

GEOL 3115 – Exploration Geophysics (formerly GEOP 3101)

(3 credits) 3 hours lecture, 3 hours lab

This course is an introduction to seismic, gravity and magnetic methods as used in the exploration for hydrocarbons and other geologic resources, and their use in engineering studies.

Prerequisites: Geology 2105, Mathematics 1200 and Physics 1202 with a grade of C- or higher.

GEOL 3300 – Geological Field Methods II

(1.5 credits) 5-day field school

A five day field course that teaches fundamental principles and methods of bedrock geological mapping with preparation of a geological map and written report. Topics include: geologic interpretation of field data, topographic and geological maps; stratigraphic interpretation; systematics of rock and mineral identification; description and classification of geological structures and unconformities, and application of relative age determination. This course is offered during a special session immediately preceding the Fall Semester.

Prerequisite: Geology 2105, 2109 and 2300 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 physically prepared and equipped. Students may be required to cover food and accommodation costs.

GEOL 3315 – International Geological Field Study**(3 credits) 14 day field school and seminars**

Students in this course will be immersed in the geology of the country being examined that year. Students will use geological mapping techniques to complete detailed mapping of lithologies and structures in selected areas. The field component of this course will run during a fourteen day period between May and August. A lecture/seminar component will occur prior to the field trip and small research projects will be completed following the field trip.

Prerequisites: One of Geology 2101, 2105, 2107, 2109 or 2300 with a grade of C- or higher, and consent of the department.

NOTE: Portions of this course will occur in rugged field conditions and varying weather, for which the students must be prepared and equipped. Students will be required to cover travel, food and accommodation costs.

GEOL 3401 – Geological Materials**(3 credits) 3 hours lecture, 3 hours lab**

This course covers the importance of geological materials such as minerals, rocks, petroleum and ore deposits to society and technology. Topics covered will include the identification of minerals and rocks in hand sample, including rock classification schemes, interpretation of rock textures and structures, and the non-microscope components of sedimentary-igneous-metamorphic petrology.

Prerequisite: Geology 1101 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, 3111 and 3113 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.

Prerequisite: Geology 3107 with a grade of C- or higher.

GEOL 4107 – Geological History of Western Canada**(3 credits) 3 hours lecture, 3 hours lab**

This course examines the geological evolution of Western Canada from the Precambrian to the Recent, with emphasis on the Western Canada Sedimentary Basin. Lab studies consider the sedimentology, age relationships, paleontology and paleogeography of major stratigraphic units, based on well core and outcrop samples and the primary geologic literature.

Prerequisites: Geology 2107 and Geology 3109 with a grade of C- or higher.

GEOL 4109 – Petroleum Geology**(3 credits) 3 hours lecture, 3 hours lab**

This course studies the principles and theory of hydrocarbon formation, migration and entrapment. It also considers the methods, tools and data used in the subsurface analysis of oil and natural gas accumulations with emphasis on Canadian examples.

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

GEOL 4111 – Ore Deposits and Economic Geology**(3 credits) 3 hours lecture, 3 hours lab**

This course will focus on the study of ore occurrences and processes of formation with emphasis on Canadian deposits. Students will also be introduced to mining and exploration techniques, economics, and the Canadian mining industry.

Prerequisites: Geology 2105, 3111 and 3113 with a grade of C- or higher.

GEOL 4113 – Geoscience Research**(3 credits) 3 hours lecture**

This course will develop student skills in geoscience research methods. Topics will include how to develop a geoscience research question, choose suitable geoscience analytical techniques, produce a geoscience project proposal, and write a geoscience research paper. Students will determine research topics in consultation with faculty. Each student will be required to produce research paper(s) and present these to students and faculty in a conference-style setting.

Prerequisites: Geology 3111 and 3113 with a grade of C- or higher.

GEOL 4300 – Advanced Geological Field Methods (formerly GEOL 3101)**(3 credits) 14-day field school**

A two week field course dealing with observation, interpretation and solution of geological problems in the field. Emphasis is placed on the application of geological field techniques to complete a detailed bedrock geology map by measurement of igneous, metamorphic, and/or sedimentary rocks and interpretation of stratigraphic & structural features. Instruction focuses on the relationship between rock formation and tectonic setting by examining the concepts of bedrock geology compilation and regional synthesis. This course is offered during a special session preceding the Fall Semester; students must complete a bedrock geological map and report during the Fall Semester.

Prerequisites: Geology 2105, 3111, 3113, and 3300 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 will be required to cover travel, food and accommodation costs.

GEOL 4515 – Sedimentary Basin Analysis**(3 credits) 3 hours lecture**

This course considers the basin-scale controls on the distribution and architecture of depositional environments in space and time. Case studies investigate different types of basins, from tectonically active rifts, strike-slip basins, and forelands to quiescent intracratonic basins, and focus on the packaging of the sedimentary basin fill. Students develop skill sets in sequence stratigraphy and basin-scale modeling of sedimentary systems.

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

GEOL 4601 – Plate Tectonic Regimes**(3 credits) 3 hours lecture**

This lecture and seminar course describes the tectonic regimes of the lithosphere by examining integrated petrological, geophysical, and geochemical perspectives in the context of the Wilson cycle and plate tectonics. Topics include the current understanding of active plate tectonic processes, including: composition of the lithosphere and asthenosphere; mechanics of plate movements; formation of plate boundary types; continental rifts and margins; oceanic spreading, triple junctions and transforms faults; subduction and island arcs; continental collision and formation of mountain belts.

Prerequisite: Geology 3111 and 3113, with a grade of C- or higher.

GEOL 4607 – Geology of the Canadian Cordillera**(3 credits) 3 week field school**

Students in this course will examine the geology of the Canadian Cordillera through an integrative study incorporating field work, geophysics, geochemistry, sedimentary/igneous/metamorphic petrology, tectonic processes, and advanced structures. Students will use geological mapping techniques to complete detailed mapping of lithologies and structures in selected areas. This course combines lectures in a classroom setting with a one week experiential field study component.

Prerequisites: Geology 2105, Geology 3300 and Geology 3111 with a grade of C- or higher and consent of the department.

NOTE: Portions of this course will occur in rugged field conditions and varying weather, for which the students must be prepared and equipped. Students will be required to cover travel, food and accommodation costs.

GEOL 5201 – Independent Research Projects I**(3 credits) 6 hours lab**

This course provides the opportunity for students to undertake independent research in a chosen area of the geosciences with the guidance of a faculty supervisor. Students develop hypotheses, a set of methods to test the hypotheses, and undertake primary data collection and analysis on the chosen topic. The results and interpretations are presented as an oral or poster presentation, and as a written report or manuscript-style paper. A faculty supervisor must be confirmed prior to registration in this course.

Prerequisite: Consent of the department.

GEOL 5202 – Independent Research Projects II**(3 credits) 6 hours lab**

This course provides students the opportunity to expand on their independent research project from Geology 5201 in a chosen area of the geosciences with the guidance of a faculty supervisor. Students develop hypotheses, a set of methods to test the hypotheses, and undertake primary data collection and analysis on the chosen topic. The results and interpretations are presented as an oral or poster presentation, and as a written report or manuscript-style paper. A faculty supervisor must be confirmed prior to registration in this course.

Prerequisite: Consent of the department.

GEOL 3199, 4199 – Directed Readings

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

GENERAL EDUCATION (GNED)**GNED 1101 – Scientific and Mathematical Literacy for the Modern World****(3 credits) 3 hours lecture**

Students will expand their understanding of the intersections of mathematics, science and technology with daily life. The course will develop and apply critical thinking and scientific reasoning skills through the examination of issues drawn from the real world and current events.

**GNED 1102 – Controversies in Science****(3 credits) 3 hours lecture**

This course provides an introduction to scientific knowledge, its role in society, and the relationship between scientific inquiry and mathematics. Students will learn about the scientific method, the role of mathematics and statistics as reasoning tools, and how to research, evaluate, and write about science. Science controversies will be used as case studies.

**GNED 1103 – Innovation****(3 credits) 3 hours lecture**

Students will investigate one particular scientific or technological innovation from multiple disciplinary perspectives. Students will explore this innovation to understand the mathematics and science that underlie it, or have been influenced by it, and will discuss the role of numeracy and technology in shaping our future. Topics will vary by section.

**GNED 1201 – Aesthetic Experience and Ideas****(3 credits) 3 hours lecture**

This course examines human aesthetic responses and our capacities to interpret diverse forms of cultural expression. Students will study some of the following: literary and/or religious texts, paintings, sculpture, architecture, music, film, dance, opera, the decorative arts, as well as other forms of aesthetic expression.

**GNED 1202 – Texts and Ideas****(3 credits) 3 hours lecture**

"Texts and Ideas" is a course that explores how specific ideas shape attitudes, belief systems, and values through the perspectives of various disciplines. Through the critical reading of key texts, students will learn about the nature, origins and relevance of one or more ideas, such as "leadership," "mind," "the self," "modernity," or "the good life".

**GNED 1203 – Cultural Perspectives on Science****(3 credits) 3 hours lecture**

This course introduces students to the study of science as a cultural activity with the goal of developing their critical thinking and writing skills. Students will learn to be conversant with some of the issues and debates concerning how science, technology, and medicine have shaped and continue to shape beliefs, values, and identities in our world.

**GNED 1301 – Citizenship Without Borders****(3 credits) 3 hours lecture**

Students will gain a broad overview and understanding of issues related to global interaction and global interconnectedness. The complex concept of 'globalization' will be analyzed through interdisciplinary perspectives and students will be encouraged, through debating key issues, to be active global citizens. Instructors may approach the course through the use of specific thematic structures.

**GNED 1303 – Conflict and the Social Context****(3 credits) 3 hours lecture**

Conflict, whether personal, domestic or international, is one of the defining forces of society. Through an interdisciplinary framework, students will engage multiple interpretations and be introduced to various ways of thinking about the world that they live in through an examination of a conflict in its social context. Each section of the course focuses on a different conflict, using distinct textbooks, assessments, and pedagogical methods to achieve the same course objectives.

**GNED 1304 – Communities and Societies****(3 credits) 3 hours lecture**

Local, national, and global communities suffer from similar problems. This interdisciplinary course will critically examine key issues within communities and societies, explore the meaning, power, and obligations of citizenship, and begin to develop the skills necessary to create positive, effective, and sustainable change.



GNED 1401/ENGL 1101 – Writing for Academic Success

(3 credits) 4 hours lecture

This course develops students' skills in the types of writing, reading, and thinking required in university today. Students will review basics, analyze contemporary examples, develop research and referencing skills, and design their writing for specific audiences. Writing for Academic Success provides an opportunity to develop new talents and gain confidence in expressing ideas.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 60% or higher, or English 0212 with a grade of C or higher.



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

(3 credits) 3 hours lecture

Working online and in the classroom, students in this foundational composition course will explore how various new media shape their writing. The course examines social media in particular, such as social networking sites, video file sharing, and blogging, in the context of rhetoric, cultural studies, and new literacies.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 60% or higher, or English 0212 with a grade of C or higher.



GNED 1404 – Writing about Images

(3 credits) 3 hours lecture

This foundational composition course focuses on writing about images. Students will refine their understanding and practice of the structures of writing by responding to and analyzing images.

Prerequisite: English Language Arts 30-1 or equivalent with a grade of 60% or higher, or English 0212 with a grade of C or higher.



GNED 2203 – Mathematics and Human Experience

(3 credits) 3 hours lecture

This course introduces students to the study of mathematics as part of our intellectual inheritance. Students will explore the nature of mathematics, examining the discipline's relationship to humanistic studies in the broadest sense. The focus is on areas such as the historical and philosophical, and not about current practical applications of mathematics or calculation. The course will appeal to any student developing a comprehensive picture of the world.

Prerequisite: General Education 1201, 1202 or 1203.



GNED 2302 – Rethinking the Public Sphere

(3 credits) 3 hours lecture

This interdisciplinary community service learning course brings together an academic, classroom-based curriculum and community service to create a holistic learning experience. Students will gain a deeper knowledge of societal issues, learn to evaluate public debates (though not policy analysis), and apply theories and concepts through collaboration with community partners. Topics will vary based on the instructor.

Prerequisite: General Education 1301, 1303 or 1304.



GNED 2402 – Inside Information: Challenges and Controversies in the Information Age

(3 credits) 3 hours lecture

This course surveys the many challenges confronting us in the "Information Age". Students will have the opportunity to explore the major issues that influence information use, creation, and dissemination. Topics may include: tensions between the right to know and the right to privacy; information equity, access, and power; and intellectual freedom.



GNED 3010 – Science in a Global Context

(6 credits) 6 hours lecture, 5 week field school

This course will provide students with an international experience to deepen their understanding of the scientific issues affecting our world. This interdisciplinary course will examine key scientific issues that influence global communities and environments. Students will engage in experiential learning through an international travel component to understand the role and limitations of science in different environments. Please note that additional fees will apply, outside of normal tuition fees.

Prerequisite: General Education 1101, 1102 or 1103.



GNED 3030 – Global Communities and Societies

(6 credits) 6 hours lecture, 5 week field school

Globalization has real and often unintended consequences to local, national, and global communities. This course will provide students with international experience to explore the problems and opportunities associated with our interconnected world. This interdisciplinary course will critically examine key issues within communities and societies, explore the meaning, power, and obligations of citizenship, and begin to develop the skills necessary to create positive, effective, and sustainable change. Please note that additional fees will apply, outside of normal tuition fees.

Prerequisite: General Education 1301, 1303 or 1304.



GNED 3101 – Experiencing Science

(3 credits) 3 hours lecture

In this course students will deepen their understanding of science & scientific issues through direct hands-on field experience. This course will be delivered via a combination of lectures and a field component. The experiential learning may take place with a local, national or international field component. Students will explore the methods, roles & limitations, and interconnectedness of multiple disciplines within science in a range of contexts. Students will apply their foundational skills & knowledge in numeracy & science literacy. Themes, topics and the nature of the field experience component will vary by section.

Prerequisite: One of General Education 1101, 1102 or 1103.



GNED 3201 – The World in a Thousand Pages

(3 credits) 3 hours lecture

This course examines one of the masterworks of literature that has had great and lasting influence, both because of its literary merit and because it provides great insight into the society and times in which it is set: it has become, literally, a reading of its world. While "a thousand pages" is meant symbolically, many of these works are substantial; however, a true liberal education entails a conversancy with such books. One text will be the locus of study in each section, aided by supporting sources generally from the same period.

Prerequisite: General Education 1201, 1202 or 1203.



GNED 3301 – Experiencing Communities & Societies

(3 credits) 3 hours lecture

This interdisciplinary course revolves around a field experience that offers students the opportunity to explore key issues through direct interaction with local, national, or global communities. It will be through this interaction with connections outside of the classroom that students will critically explore the rights and responsibilities of citizenship and begin to develop the skills necessary to create change. This course will be delivered via a combination of lectures and an experiential component. Themes, topics and the nature of the experiential component will vary by section.

Prerequisite: General Education 1301, 1303 or 1304.



HISTORY (HIST)

HIST 1100 – Introduction to History

(3 credits) 1.5 hours lecture, 1.5 hours tutorial

All History majors must take this course during their first ten courses in the program (or as soon as possible after a student declares a major in History). Lectures introduce major historical themes, topics, and categories of analysis, while tutorials focus on skills development through interactive assignments and discussion.

Note: Registration is limited to students enrolled in the BA (History).

HIST 1101 – Europe to 1500

(3 credits) 4 hours lecture

This course, which introduces students to the academic study of history, surveys the history of Western civilization up to 1500, with a focus on the political, social, economic, intellectual, and cultural life of European societies.



HIST 1103 – Europe Since 1500

(3 credits) 4 hours lecture

This course, which introduces students to the academic study of history, surveys the history of Western civilization since 1500, with a focus on the political, social, economic, intellectual, and cultural life of European societies.



HIST 1111 – South Asia and the Indian Ocean: 2500 BCE – Present

(3 credits) 4 hours lecture

This course is an introduction to the history of South Asia from approximately 2500 BCE to the creation of the independent states of India and Pakistan in the mid-twentieth century. Topics to be examined include state formation, social and religious developments, trading world of the Indian Ocean, the impact of Islamic and European states and economies, modes of reaction to colonial rule, the construction of communal identity, and the course of nationalism.



HIST 1117 – America to 1865

(3 credits) 4 hours lecture

This course provides a survey of the history of the United States from colonial settlement to the end of the American Civil War. Course topics include the struggle for liberty by groups and individuals, sectional conflict, interactions between Native Americans and the federal government, and changes in politics, society, and diplomacy.



HIST 1119 – The United States, 1865 to the Present

(3 credits) 4 hours lecture

This course provides a survey of the history of the United States from the Civil War to the present. Course topics include the struggle for liberty by groups and individuals, America's rise to global power, and political, social, and economic changes.



HIST 1131 – Canada, Origins to 1867

(3 credits) 4 hours lecture

This course introduces students to key issues and events in early Canadian history. Themes include social and cultural change, as well as economic and political developments. Topics such as the interactions between Natives and non-Natives, war and conflict, and French and British relations will be examined.



HIST 1133 – Modern Canada, 1867 to Present

(3 credits) 4 hours lecture

This course introduces students to key issues and events in modern Canadian history. Themes include social and cultural change, as well as economic and political developments. Specific topics covered may include Canada's military participation, the Cold War, immigration and regionalism.



HIST 2108 – Gender History in Canada

(3 credits) 3 hours lecture

This course examines gender dynamics in Canada from the eighteenth century to the present day. Themes include sexuality and the body, gender regulation and performance, racialization and colonization, politics, law, popular culture, work, religion, violence, and war.

Recommended Preparation: Women's & Gender Studies 1172 or any History course.

Note: History 2108 replaces History 2208 and 2209. Students can only use one of History 2108, 2208, 2209 or Women's Studies 2241 to meet Bachelor of Arts (History) graduation and/or General Education requirements.



HIST 2202 – The Historian's Craft

(3 credits) 3 hours lecture

The Historian's Craft is an introduction to history as a distinct field of study. It aims to help students understand what history is, what it means to be a historian, and how to write history. The course is intended primarily but not exclusively for history majors in order to prepare them for the advanced study of history in upper-division courses.

Prerequisite: Any one of the following courses: History 1100, 1101, 1103, 1111, 1117, 1119, 1131, or 1133.

HIST 2204 – The Medieval World

(3 credits) 3 hours lecture

This course surveys the history of medieval Europe from c. 500 to c.1500. It focuses on the development of the political, religious and social structures that shaped Europe. Topics explored may include the ordering of society, belief systems, warfare and violence, art and architecture, literature, education and intellectual developments, and religious and political institutions.



HIST 2205 – Health, Disease and Medicine in Western Society

(3 credits) 3 hours lecture

This survey course in the social history of medicine focuses on the "medical revolution" of the nineteenth century. Topics include epidemics, mental illness, the development of the medical profession, and the role of medicine in culture and society.

Recommended Preparation: Any 1000-level History course.



HIST 2206 – The History of Ancient Rome

(3 credits) 3 hours lecture

This course surveys the history of Ancient Rome from the early kings to the establishment of the Principate. Particular attention will be paid to the political, social, and cultural history, and consider its long-standing legacy within Western Europe.



HIST 2207 – Histories of Sexualities

(3 credits) 3 hours lecture

Histories of Sexualities aims to help students understand that sexuality – both our sexual practices and our attitudes towards sexuality – have varied enormously over time and between cultures; that is, our sexuality is "historically contingent" and "socially constructed". Given the enormity of the subject, the course will focus on sexuality in Western cultural experience and the topics covered will vary from semester to semester.



HIST 2208 – Women and Gender in Canada to 1900

(3 credits) 3 hours lecture

This course examines women's experiences and gender dynamics in Canada from the eighteenth through the nineteenth century. Themes include race and racism, family, politics and political culture, spousal and sexual violence, religion, public and private spheres, as well as sexuality.

Recommended Preparation: Women's & Gender Studies 1172 or any first year history course.



HIST 2209 – Women and Gender in Canada Since 1900

(3 credits) 3 hours lecture

This course examines women's experiences and gender dynamics in twentieth century Canada. Themes include feminism's three waves, the social welfare state, the rise of the Left, World War II, post-war family and consumption, immigration and race, heterosexism and homophobia, environmentalism, and anti-racism.

Recommended Preparation: Women's & Gender Studies 1172 or any first year history course.



HIST 2210 – Travel Studies in Canadian History

(3 credits) 3 weeks field school

Themes and course content will vary, but may include topics such as the settlement of the west, the military history of Canada, Aboriginal/European relations, urban history, and Canadian cultural history. This course will include at least one multi-night field trip to sites in Canada.

Recommended Preparation: History 1131 and/or 1133.



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

HIST 2212 – Travel Studies in American History

(3 credits) 3 weeks field school

Themes and course content will vary, but may include topics such as the Revolutionary War, the American Civil War, Aboriginal Peoples of the United States, urban history, and American cultural history. This course will include at least one multi-night field trip to sites in the United States.

Recommended Preparation: History 1117 and/or 1119.



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

HIST 2213 – Travel Studies in European History

(3 credits) 3 weeks field school

Themes and course content will vary, but may include topics such as the two World Wars, religion and the state, social history, and European cultural history. This course will include at least one multi-night field trip to sites in Europe.

Recommended Preparation: History 1101 and/or 1103.



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

HIST 2215 – History of the People of the Plains: Treaty 7 Field Course

(3 credits) 3 weeks field school

This course examines the history of the Native peoples in what is now southern Alberta. Topics include Natives prior to European contact, the events leading to Treaty Seven, and the impact of Treaty Seven on First Nations. This course combines lectures in a traditional classroom setting with a week-long experiential field study component.

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



HIST 2216 – The American Revolutionary Era

(3 credits) 3 hours lecture

This course is an examination of the creation of the American Republic from 1763 to 1800. Students will understand how thirteen of the English colonies in America rebelled against colonial authority, fought for independence, formed a new nation, and attempted to secure its existence.

Recommended Preparation: History 1117.



HIST 2220 – The United States as a World Power, 1898-1991

(3 credits) 3 hours lecture

This course is an examination of the emergence of the United States as a major world power from the Spanish-American War to the end of the Cold War. Students will study and understand key events, trends, and policies as well as the people who shaped foreign policy during this period.

Recommended Preparation: History 1119.



HIST 2229 – Europe: The Renaissance to the French Revolution

(3 credits) 3 hours lecture

This course explores the social, political, and cultural history of Europe from the Renaissance to the eve of the French Revolution. Social and cultural changes are considered within the contexts of religious innovation and conflict, the development of capitalism, the rise of the modern state, and the impacts of global exploration and colonialism.



HIST 2232 – Home, Work and Play in Canada

(3 credits) 3 hours lecture

This course focuses on the history of Canadians in a number of spaces such as home, workplace and recreational settings. A variety of topics such as religion, education, health, crime and punishment, the arts, and popular culture may be examined, as may issues such as race and ethnicity, gender and sexuality, regional identity and class.

Recommended Preparation: History 1131 or 1133.



HIST 2236 – Topics in Modern European History

(3 credits) 3 hours lecture

This course examines selected themes in modern European history. The specific content of the course will vary by term and instructor. Possible topics include: war and violence, gender and sexuality, intellectual culture, political thought and culture, and/or social history.



HIST 2237 – Modern European Intellectual History

(3 credits) 3 hours lecture

This historical survey covers the ideas and thinkers of the period 1800-1930 that shaped the modern twentieth century world-view.

Recommended Preparation: Any 1000-level History course.



HIST 2238 – Topics in Ancient/Medieval European History

(3 credits) 3 hours lecture

This course examines selected themes in Ancient/Medieval European history. The specific content of the course will vary by term and instructor. Possible topics include: war and violence, gender and sexuality, intellectual culture, political thought and culture, and/or social history.

HIST 2239 – European Nationalism in the Age of the Nation-State

(3 credits) 3 hours lecture

This course examines the history of nationalism in Europe between 1780 and 1990. Two separate but related themes will be pursued: how the nation-state emerged as the dominant form of geopolitical organization in Europe, and how nationalism confronted and was adapted to circumstances and rival ideologies. Topics may include popular sovereignty and nationalism in revolutionary and Napoleonic Europe; liberal nationalism; the Vienna settlement and the revolutions of 1848; the unification of Italy and Germany; the decay of Europe's multi-national empires; racism, anti-Semitism, and national identity; nationalism and totalitarianism; communism and the nationality question; internationalism since 1945.



HIST 2241 – Britain and its Empire in the Nineteenth Century

(3 credits) 3 hours lecture

This course will examine the history of Great Britain and its Empire in the nineteenth century. Beginning with the struggles against Revolutionary and Napoleonic France, and ending with the death of Queen Victoria in 1901, the course will examine Britain's development as the world's leading industrial and imperial power, and the political, social and cultural changes associated with Victorianism. The central themes of the course may include reform and repression in British political life; responses to industrialization; Victorian thought and culture; and the changing face of imperial development.

**HIST 2243 – Europe in the Nineteenth and Twentieth Centuries**

(3 credits) 3 hours lecture

This course examines the history of Europe between 1789 and 1989. This period is distinguished by transformations in virtually every area of human life; the creation and destruction of a European dominated world order; the rise, spread and collapse of communism; increasingly destructive spasms of organized violence; and ongoing efforts at collective identity formation.

**HIST 2247 – Canada's Frontier: the History of the West**

(3 credits) 3 hours lecture

This course analyzes the West as a distinct region within Canada and in Canadian history. Topics may include: Native peoples, European exploration and settlement, immigration, rural and urban society, social and political protest/reform, the New West, regionalism, political movements, and gendered experience.

Recommended Preparation: History 1131 and/or 1133.

**HIST 2255 – Immigration, Ethnicity, and Race in the United States**

(3 credits) 3 hours lecture

This course studies the ways immigrants to the US and their descendants created and preserved community and identity at work, in politics, and in social relations. The course also examines the ways dominant groups responded to immigration and migration. The creation of and changes in racial and ethnic identities are central themes of the course.

**HIST 2263 – Conflict and Society in the Twentieth-Century**

(3 credits) 3 hours lecture

This course examines the role of conflict in society during the twentieth-century. It will focus on the ideas that produced social and political upheaval and the impact of this upheaval on various groups. Specific themes and topics to be addressed include the Great War; democracy, fascism and communism in the interwar period; Nazism and the "Final Solution"; the Cold War; competing nationalisms, genocide and contemporary civil wars.

**HIST 2271 – Latin America Before Independence**

(3 credits) 3 hours lecture

This course is an introduction to the history of colonial Latin America. Topics will include the process of conquest, the development of imperial bureaucracies to facilitate control, and the nature of everyday life within the colonies. The course will conclude with an assessment of Latin America's wars of independence.

**HIST 2273 – Latin America After Independence**

(3 credits) 3 hours lecture

This course is an introduction to the history of Latin America after Independence. It will trace two centuries of volatile change within a region encompassing twenty unique republics. Among the topics to be explored are chronic militarism, uneven economic development, and ongoing struggles for social justice.

**HIST 2291 – Film and History**

(3 credits) 3 hours lecture

This course examines film as a historical document. Films are a valuable source of social, cultural and intellectual history, as well as historical continuity and change. Themes addressed may include: collective memory; documentary films versus fictional films; war and film; issues of gender; race, ethnicity and representation of minority groups; class; sexuality; and film as a source of propaganda.



Recommended Preparation: Any one of History 1101, 1103, 1131 or 1133.

HIST 2322 – History of the Canadian School

(3 credits) 3 hours lecture

This course examines topics relevant to the institutional, political, and social history of Canadian schools. The role of the state in establishing institutional public schooling, including residential schools for Indigenous students, will be a key focus, but the course will also consider schooling from the perspective of students, parents, and teachers.

**HIST 3201 – Crime, Punishment and Social Control in Pre-Modern Europe**

(3 credits) 3 hours lecture

This course explores the ongoing attempts by dominant institutions in pre-modern Europe to exert control over the behaviours, thoughts and acts of their subjects, and interrogates how individuals and collectives responded. Topics might include the relationship between justice and law, crime, punishment and enforcement, social deviancy, marginalization, heresy and witchcraft, suffering, and violence.

**HIST 3304 – History of Children and Youth in Canada**

(3 credits) 3 hours lecture

This course examines the experiences of Canadian children and youth, as well as the ideas attached to these life stages, from a historical perspective. Themes may include race and racism, health and (dis)ability, education, residential schooling, immigration, violence and abuse, delinquency, law, sexuality and the body.

**HIST 3306 – Racism and Immigration in Canada**

(3 credits) 3 hours lecture

This course examines the experience and meanings of race, ethnicity, and immigration in Canadian history. Themes may include Aboriginal/European relations, the settlement of the West, law and race, discrimination, urban history, multiculturalism, and the politics of immigration.



Recommended Preparation: History 1131 and/or 1133.

HIST 3318 – Deviance and Conformity: the History of the Canadian Institutional State

(3 credits) 3 hours lecture

This course examines the extension and consolidation of state authority through the intellectual, social, and cultural history of various institutions in Canada. Topics might include asylums, medicine, prisons, reserves, and education. Special attention is paid to how concepts like health, ethnicity, class, learning, and sanity were constructed to serve the interests of the state.



Recommended Preparation: At least one of History 1131, 1133, 2205, 2207, or 2232.

HIST 3319 – Conflict and Violence in Canadian History**(3 credits) 3 hours lecture**

This course examines conflicts and violent events in Canadian history and how they have shaped Canadian society. It takes a casestudy approach to the problem, and themes may include relations between labour and capital, French/English relations, nativism and immigration, racial/ethnic/gendered violence in society, Native/ newcomer relations, and the impact of war on society.

Recommended Preparation: History 1131 and/or 1133.

**HIST 3329 – The Witch Trials of Early Modern Europe****(3 credits) 3 hours lecture**

Between 1450 and 1700 Europe experienced many trials and executions on the charge of diabolical witchcraft. This course focuses on the origins, intellectual foundations, historical development, and eventual decline of the trials. The course also examines the overlap between issues of religion, law, gender, the history of science, and social relations in early modern Europe.

Recommended Preparation: History 1103 or 2229.

**HIST 3333 – The Renaissance****(3 credits) 3 hours lecture**

This course explores the intellectual and cultural developments known as “the Renaissance” within the social, economic and political contexts of Europe in fourteenth and fifteenth-century. Students will study a wide range of contemporary sources to examine the values and beliefs of people who created or reacted to humanism and the reshaping of their societies by the emergence of modern capitalism, the discovery of new worlds, and the advent of a revolutionary information technology: printing. The work of modern historians will be used to illuminate and contextualize the developments in this period, as well as to demonstrate the range of critical perspectives that have been applied to it.

**HIST 3335 – The Reformation****(3 credits) 3 hours lecture**

This course examines social, political and religious trends in European history from the mid-fifteenth to early seventeenth century. It focuses in particular on the changes that occurred in European religious life in this period, collectively referred to as the Reformation.

**HIST 3336 – Topics in European History****(3 credits) 3 hours lecture**

This course offers the opportunity to examine selected themes in European history. The specific content of the course will vary by term and instructor. Possible topics include the French Revolution, the culture of coffeehouses, history of alcohol, consumer culture, history of the book, science and society, and Georgian England.

**HIST 3343 – Resistance and Resilience: Native Peoples in the United States****(3 credits) 3 hours lecture**

This course surveys the diverse histories of Aboriginal groups in what is now the United States from the pre-contact era to the present day. Emphasis will be placed upon the relationship between Native peoples and the newcomers they encountered, and the struggle of Native peoples to retain their cultures and autonomy while dealing with significant changes.

**HIST 3345 – First Nations in Canada: Co-operation, Coercion and Confrontation****(3 credits) 3 hours lecture**

Survey of the diverse histories of the various First Nations groups in what is now Canada. Emphasis will be placed upon the relationship between Native peoples and the French, British and Canadian governments.

Recommended Preparation: Any 1000-level history course.

**HIST 3346 – Indigenous People in Latin America****(3 credits) 3 hours lecture**

This course is an introduction to the history of Latin American indigenous societies. Themes to be explored include native resistance and collusion with Iberian conquest efforts, the resilience of indigenous cultures in the face of coercive change, and the robust revival of the region's indigenous populations in the recent past.

**HIST 3356 – Topics in Canadian History****(3 credits) 3 hours lecture**

This course offers the opportunity to examine selected topics in Canadian history. The specific content of the course will vary by term and instructor. Possible topics include political culture, popular culture, French Canada, Canada-US relations, or military history.

Recommended Preparation: History 1131 and 1133.

**HIST 3357 – Topics in American Culture****(3 credits) 3 hours lecture**

This course provides an introduction to themes in American cultural history. Each semester a different topic will be chosen for study. For instance, the history of public amusement, history of sexuality and African American culture.

**HIST 3358 – People, Ecosystems, and Natural Resources in American History****(3 credits) 3 hours lecture**

This course examines the ways Americans have utilized the environment to meet their wants and needs, as well as the ways in which the environment has shaped society. Students will study primary documents and historians' accounts to understand this complex relationship from multiple perspectives. Potential topics include industry, agriculture, cities, energy, reform movements, and invasive species.

**HIST 3361 – The Holocaust****(3 credits) 3 hours lecture**

This course examines the causes, course and consequences of the Holocaust – the mass murder of European Jewry (and others) by the Nazi State during World War II. The roles of victims, perpetrators, bystanders, rescuers, and survivors will be explored, as well as post-war “collective memory” and Holocaust “representation”.

Recommended Preparation: Any one of History 1103, 2237, 2243, or 3365.

**HIST 3365 – World War II****(3 credits) 3 hours lecture**

This course examines the origins, conduct and consequences of the Second World War. It focuses particularly on the experience of ordinary participants, including front-line soldiers, civilians on the home front, prisoners of war, members of resistance movements and collaborators in occupied Europe. In addition to explaining the events of the war itself, the course will examine how the conflict is remembered in North American popular culture.



HIST 3373 – World War I

(3 credits) 3 hours lecture

This course examines the origin, conduct and consequences of the First World War. The focus of study will include the nature of warfare at the beginning of the 20th century as well as the social, economic and political changes affected by the war. In addition to examining the events of the war, the way that war has been represented culturally and intellectually will be addressed.

Recommended Preparation: History 1103.

**HIST 3383 – Sin, Vice, and Religion in Canada**

(3 credits) 3 hours lecture

This course explores diverse religious experiences in Canada from a historical perspective. Themes may include missionary activity and cultural conflict, relations between church and state, the impact of morality on gender, class, and racial identities, as well as the role of vice and sin in social and political change.

Recommended Preparation: History 1131 and 1133.

**HIST 3385 – Religion, War, and Society in Europe, 1558-1714**

(3 credits) 3 hours lecture

This course takes a comparative approach to the study of the political and social development of France and Britain in the later Sixteenth and Seventeenth Centuries. It considers how the development of the state and society were shaped by fierce religious conflicts and profound economic and cultural change. The course encompasses various key subjects in this period including the reign of Elizabeth I, the French Wars of Religion, the British Civil Wars, the Frondes, Oliver Cromwell and the English republican experiment, Louis XIV and the expansion of the French state, and the beginnings of a British constitutional monarchy in the Revolution of 1688-89.

**HIST 3802 – Public History Field Experience**

(3 credits) 3 hours field work

This course is an opportunity for history majors to have a supervised, hands-on learning experience in the field of history. Students will perform meaningful work at a historical agency, museum, archive, or other institution dedicated to the study and interpretation of history, historic preservation, and/or heritage resources.

Prerequisites: History 1100 and History 2202 and approval of the Humanities Department

Note: Course availability will vary from term to term and admittance to the course is competitive. History faculty will work with local institutions to arrange placements. To obtain Department approval to enroll in the course students must complete an application form available from the History B.A. Advisor and the student must have a minimum GPA of 2.5 for the last 20 courses completed. Applications are due June 1 for the upcoming Fall term and October 1 for the upcoming Winter and Spring terms.

HIST 4401 – Special Topics in War and Society

(3 credits) 3 hours lecture

This course provides students with the opportunity to focus on a particular theme from the field of war and society in a seminar environment. Topics might include the development of military medicine, the Holocaust, technology and warfare in the 20th century, literature and war, or war on the home front.

Prerequisites: History 2202 and one of 1100, 1101, 1103, 1111, 1117, 1119, 1131, or 1133.

Recommended Preparation: At least one 3000 level History course.

**HIST 4402 – The Age of Enlightenment**

(3 credits) 3 hours lecture

This course examines the Enlightenment through reading and discussion of primary documents and historians' debates. Emphasis will be placed on interpretations of the Enlightenment and analyzing what impact it made on later generations. Possible topics include Enlightenment or Enlightenment; British Enlightenment; Enlightenment bodies; and religion in the Enlightenment.

Prerequisites: History 2202, and 1103 or 2229.

**HIST 4404 – Topics in Canadian Social History**

(3 credits) 3 hours lecture

This course offers students an opportunity for advanced study in the social history of Canada. Topics may include labour, immigration, religion, family, First Nations, women, health, and social welfare.

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

**HIST 4405 – Special Topics in Public History**

(3 credits) 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 4406 – Gender, Sexuality and the Body in Canadian History

(3 credits) 3 hours lecture

This course offers students an opportunity for advanced study in the fields of gender, sexuality, and embodiment history in Canada. Topics such as war and the military, labour and work, health and medicine, art and culture, leisure and sport, policing and the state, will be examined from the perspective of feminist, queer, and embodiment theory.

Prerequisites: History 2202 and one of History 1131, 1133, 2108, 2207 or 2232.

**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 4420 – Capital and Labour in Context**

(3 credits) 3 hours lecture

This seminar course will allow students to explore economic and social history with emphasis on the relationship between workers, their employers, and the state. The course will focus on a selected period in Canadian, American, or European history, or will explore this topic in transnational context.

Prerequisite: History 2202.

HIST 4451 – The History of British North America

(3 credits) 3 hours lecture

This seminar examines the British North American colonies and territories from the eighteenth through to the nineteenth century. Emphasis is placed on social and economic developments and on the growth of the colonial state. Topics may include the fur trade, colonialism, and migration, as well as such themes as race, sexuality, gender, and family.

Prerequisites: History 1131 and 2202.



HIST 4455 – Canada in the Era of the Cold War

(3 credits) 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) 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 4731 – Topics in American History**

(3 credits) 3 hours lecture

This course offers students an opportunity for advanced study in American history. Topics may include technology, social history, institutions, labour, politics, a particular time period such as the colonial era, or regional focus such as the American South or West.

Prerequisites: History 2202 and one of History 1117 or 1119.

**HIST 4732 – Topics in the History of the Americas**

(3 credits) 3 hours lecture

This course provides advanced study in the history of the Americas. Topics may include piracy, inter-American affairs, colonial institutions, slavery, politics, or a particular time period such as the conquest era or the struggles for independence, or a regional focus such as the Caribbean basin, the Guianas, the Southern Cone, Bermuda, Aruba, Brazil, or Mexico.

Prerequisites: History 2202 and one of History 2271 or 2273.

**HIST 4733 – Advanced Topics in European Social and Cultural History**

(3 credits) 3 hours lecture

This seminar course provides students with an opportunity for advanced study in European social and cultural history. Possible course themes include: medieval political culture; violence and society in the Middle Ages; crime and morality in Georgian England; opium and alcohol in early modern Europe; race and society in modern Europe or colonialism and Europe's "others."

Prerequisites: History 2202 and one of History 1101 or 1103.

**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: Restricted to students who have completed 30 courses towards the B.A. and are officially admitted and registered 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: Restricted to students officially admitted and registered in the final year of 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.

HEALTH STUDIES (HLTH)**HLTH 1117 – Canadian Health Care System, Culture and Context for Internationally Educated Health Care Professionals**

(3 credits) 3 hours lecture

This course is designed to introduce internationally educated health professionals to the context and culture of the Canadian health care system. Overarching themes of patient-safety, communication and interprofessionalism are the focus of this course.

Prerequisite: English proficiency requirement measured at a Canadian Language Benchmark of 6. Proof of professional status as a health care professional.

HLTH 1213 – Health, Safety and Nutrition

(3 credits) 3 hours lecture

This course is designed to provide the student with basic knowledge and skills in the health maintenance of the child up to six years of age. Concepts inherent in health maintenance include the nutritional, physical and emotional needs and problems of the developing child. Principles of child safety and the impact of hospitalization are also included.

HLTH 2250 – Introduction to Information and Research Literacies

(3 credits) 3 hours lecture or blended delivery or online

In this course, students will gain an appreciation for several ways of knowing that generate evidence for professional health and community care practices. The main focus of the course, however, is the particular value and utility of research knowledge as evidence for practice. The primary learning outcome of the course is a beginning capacity to perform the first four steps of the evidence-informed decision-making process (define, search, appraise, and synthesize) in the context of ethical, client-focused, intra and interprofessional practice. Students will also acquire a beginning understanding of the research process and of the research methods used in both the quantitative and qualitative paradigms as components of the capacity for evidence-informed decision-making.

HLTH 3101 – Professional Communication Skills for Nurses (3 credits) 3 hours lecture (Blended Delivery)

Half of Semester (6 weeks)

This course is designed to focus on the elements of therapeutic communication skills for Internationally Educated Nurses (IEN's). This course will include effective initiation of a professional relationship, trust-building and therapeutic responding to patients and family members. In addition, this course will examine formation of collaborative partnerships with other health care professionals, assertive communication principles dealing with conflict and sensitivity to diversity and cultural influences.

HLTH 3103 – Professional Nursing In Canada (3 credits) 3 hours lecture (Blended Delivery)

Half of Semester (6 weeks)

This course is designed to familiarize Internationally Educated Nurses (IENs) with professional concepts, issues and practices in nursing. It provides an opportunity for IENs to understand the scope of practice of nurses in Canada and have an opportunity to examine entry to practice competencies, standards of practice, ethical and legal issues. The concepts of health promotion, illness and injury prevention, determinants of health, primary health care and population health promotion are key components to this course and will provide the IEN with the opportunity to understand the Canadian health care system and the nurse's role within an interprofessional approach.

HLTH 3105 – Health Alterations and Therapeutics I (3 credits) 3 hours lecture (Blended Delivery) (6 weeks)

This course precedes HLTH 3211 – Health Alterations and Therapeutics II. This course provides opportunity for International Educated Nurses (IENs) to acquire knowledge and skills for the purpose of developing clinical reasoning, to provide nursing care for a diversity of individuals experiencing alterations in health, using health promotion approaches and resources. IENs will integrate client concerns, with associated pathophysiology, pharmacological therapeutics, and nursing therapeutics.

HLTH 3107 – Professional Nursing Health Assessment (3 credits) 1 hour lecture (Blended Delivery), 2 hours lab, Half of Semester (6 weeks)

This course will focus on preparing Internationally Educated Nurses (IENs) with the theory, reasoning and skills needed to complete a holistic health assessment. IENs will utilize a health promotion approach when conducting a health history in order to identify health alterations and integrate health promotion opportunities. IENs will conduct a holistic health assessment using clinical reasoning to determine priorities and appropriate care measures.

HLTH 3109 – Health Assessment Workshop (1 credit) 16 hours lab (8 hrs lab per day over a two day period), 2 day course

This course provides Internationally Educated Nurses (IENs) with a holistic approach to health assessment. It includes a self study module, review of health assessment materials, and a two day workshop to facilitate the application of health assessment skills. This course is different than HLTH 3107 – Professional Nursing Health Assessment as it is a two day condensed and focused review of a holistic health assessment.

HLTH 3211 – Health Alterations and Therapeutics II (3 credits) 3 hours lecture (Blended Delivery) (6 weeks)

This course is a continuation of HLTH 3105 – Health Alterations and Therapeutics I. This course provides opportunity for International Educated Nurses (IENs) to acquire knowledge and skills for the purpose of developing salience, clinical imagination and clinical judgment, and to provide nursing care for a diversity of individuals experiencing alterations in health, using health promotion approaches and resources. IENs will integrate client concerns, with associated pathophysiology, pharmacological therapeutics, and nursing therapeutics.

Pre or Corequisite: Health 3105.

HLTH 3217 – Professional Nursing in Family Newborn (1 credit) 3 hours lab (Blended Delivery) (4 week course)

This course provides Internationally Educated Nurses (IENs) with a family centered approach in promoting health and identifying the health needs and nursing care for childbearing families during prenatal, birthing and post birthing stages. IENs will examine effective family centered care considering health promotion, illness/injury prevention, clinical reasoning, advocacy, forming of collaborative relationships and importance of inter-professional partnerships.
Prerequisites: Health 3101, 3103, 3107, and 3211 if required by CARNA.

HLTH 3219 – Professional Nursing in Child Health (1 credit) 3 hours lab (Blended Delivery) (4 week course)

This course provides Internationally Educated Nurses (IENs) with a family centred approach in promoting health, and providing holistic, individualized care for children and their families. IENs will examine effective family centered care considering health promotion, illness/injury prevention, clinical reasoning, advocacy, forming of collaborative relationships and the importance of interprofessional partnerships.

Prerequisites: Health 3101, 3103, 3107, and 3211 if required by CARNA.

HLTH 3221 – Professional Nursing in Mental Health (1 credit) 3 hours lab (Blended Delivery) (4 week course)

This course provides Internationally Educated Nurses (IENs) with a holistic, health promotion approach to learning mental health concepts and nursing roles in caring for adults and families experiencing acute and chronic mental illness. IENs will examine effective family centered care considering health promotion, illness/injury prevention, clinical reasoning, advocacy, forming of collaborative relationships and importance of inter-professional partnerships.
Prerequisites: Health 3101, 3103, and 3211 if required by CARNA.

Corequisite: Health 3107 if required by CARNA.

HLTH 3313 – Professional Nursing Skills (1 credit) 3 hours lab (Blended Delivery) (4 weeks)

This course provides Internationally Educated Nurses (IENs) the opportunity to review and apply nursing skills within the context of simulated client care with a holistic perspective. This course must immediately precede HLTH 3415 – Professional Clinical Practice and CARNA issued limited temporary practice permit requirements must be met, which include the completion of all other CARNA required courses. The IEN will be able to practice psychomotor skills, learn about documentation, terminology, have and review math for medications. In the safety of a lab environment, simulated experiences will be used to challenge the IEN to demonstrate the skills while integrating nursing knowledge, assessment, clinical reasoning, and communication skills while providing a professional nurse/client relationship.

HLTH 3415 – Professional Clinical Practice (3 credits) 193 hours practice experience (6 weeks)

This is a clinical practicum that provides Internationally Educated Nurses (IENs) with nursing practice experience in caring for adult clients who are experiencing increasingly complex health/illness situations. This course occurs over half of a semester and is a continuation of HLTH 3313 – Professional Nursing Skills. This course occurs at the end of the BCN Program. No other courses may be taken at the same time as this course. A CARNA issued limited temporary practice permit is required for this course. This course is designed to provide integration of professional knowledge, clinical reasoning, reasoning skills, communication skills and values within the context of the Canadian health care system. Emphasis is on furthering understanding of professional nursing practice and registered nursing scope of practice in order for IENs to make a successful transition to professional nursing in Canada.

Prerequisite: Health 3313.

HLTH 4462 – Integrative Healing Practices in Nursing

(3 credits) 3 hours lecture and/or in a blended delivery format, or entirely online

This course explores a variety of healing paradigms using an interactive, participative and experiential design. The student will have frequent opportunities to discuss reactions, raise questions and critically analyze current integrative health practices. Students will integrate and apply research-based practice when examining integrative healing practices related to bodywork, mind-body practices, energy therapies, biological, orthomolecular and herbal therapies.

Pre or Corequisite: Nursing 4111.

Note: The course is normally limited to students currently enrolled in the 4th year of the Bachelor of Nursing program. Other students need approval of department Chair.

HLTH 1399 – Directed Readings

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

HEALTH AND PHYSICAL EDUCATION (HPED)

HPED 1000 – Issues in Health and Physical Education

(3 credits) 1.5 hours lecture, 1.5 hours tutorial

This first-year seminar course provides students with a foundation of the Bachelor of Health and Physical Education degree, including an introduction to the major issues in each of the four majors: Athletic Therapy, Ecotourism and Outdoor Leadership, Physical Literacy and Sport and Recreation Management. Students will be introduced to the concepts of academic thought, discourse, and research practice. Students will have opportunity to improve their writing, reading, research, and basic information and technology skills while also learning to work collaboratively and independently.

HPED 1010 – Historical and Philosophical Foundations

(3 credits) 3 hours lecture

This course provides an examination of the cultural meanings of sport, leisure, and physical education; and the place of the body in our culture both historically and in the present.

HPED 1020 – Leadership and Communication

(3 credits) 3 hours lecture

This course presents the theory and application of leadership and interpersonal communication skills as they apply to large and small groups in the field of physical activity and sport.

HPED 1040 – Wellness and the Student: From Personal Health to Community Action

(3 credits) 3 hours lecture

This course provides an introduction and overview to aspects of holistic health and wellness and highlights strategies for promoting well-being. Utilizing a mix of theory and application, students will gain an understanding of individual well-being and the interconnectivity between individual well-being and the well-being of families and communities. Students will also explore community actions that impact health and well-being.

HPED 1070 – Foundations of Outdoor Leadership

(3 credits) 3 hours lecture

This course will survey the history, philosophy, rationale, benefits and recreational opportunities of outdoor leadership. Students will become familiar with the organization, governance and scope of outdoor leadership. Participation is required in one weekend.



C2
T3

HPED 1640 – Program Planning

(3 credits) 3 hours lecture or 6 hours lecture for 6.5 weeks

An in-depth study of the theory, methods, techniques, and skills used in planning physical activity and sport programs. Topics include principles of program planning; identification of program needs; program planning in specific settings; and program evaluation.

HPED 2030 – Statistics and Research Methods

(3 credits) 3 hours lecture

This course introduces basic statistical techniques as they apply to the field of health and physical education with a critical thinking approach to understanding the research process. The course will cover research ethics, descriptive techniques, graphic techniques, correlation and basic inferential statistics. Students will have the conceptual foundations and practical skills needed to locate, understand and evaluate research publications.

HPED 2050 – Professional Practice

(3 credits) 2 hours lecture, 52 hours practicum

This course is a first practicum for Bachelor of Health and Physical Education students. This course consists of two components: The first component is a review of common theory across disciplines including: professionalism, ethical behaviour, business practice, communication, conflict management and confidentiality; the second component is an unpaid practical shadowing and observation in each student's discipline for a minimum of 52 hours.

Prerequisites: Health and Physical Education 1000 and 1020.

HPED 2507 – Nutrition and Health

(3 credits) 3 hours lecture

This course will provide the student with a basic understanding of the role of nutrition in health and fitness. By surveying the basics of human nutrition, and considering practical applications, the student will be prepared to apply nutrition guidelines to their individual nutrition needs and those of specialized populations.



C1
T2

HPED 2703 – Fundamental Fitness and Measurement

(3 credits) 3 hours lecture, 2 hours lab

This is a foundation course in physical fitness incorporating the basic theory, testing and application of physical fitness, nutrition and weight control knowledge. It involves a lecture/lab presentation in which students will design personal fitness programs, apply the programs, test their progress and evaluate the results.

HPED 2810 – Invasion Games

(3 credits) 3 hours lecture

This course provides strategy, tactics and skills for games that involve physical interactions with an opponent such as basketball, soccer and rugby. This course provides an overview of how game skills can contribute to healthy lifestyles and the development of age appropriate fundamental movement skills with a focus on activity for life. Students who complete this class will have the competency to deliver an invasion game experience safely.

Recommended Preparation: Physical Literacy 1310.

HPED 2830 – Introductory Flexibility and Relaxation

(1.5 credits) 3 hours lecture for 6.5 weeks

This course introduces a conceptual framework for utilizing flexibility and relaxation in relation to overall fitness and personal well-being. The course builds on theory from Human Anatomy and applies flexibility principles from basic human anatomy knowledge. A variety of flexibility and relaxation techniques will be explored and incorporated in practical ways. Students will be required to participate in strength training activity in this course.

Prerequisite: Physical Literacy 1512.

HPED 2832 – Functional Gymnastics

(3 credits) 3 hours lecture

This course provides an overview of all aspects of the Alberta elementary physical education program with a particular emphasis on movement experiences in gymnastics. It is intended for any student who is interested in working with children and youth in an educational or recreation environment that includes fundamental movement skill development. Students who complete this class will have the competency to deliver an educational gymnastics experience safely.

Recommended Preparation: Physical Literacy 1530.

HPED 2850 – Introductory Strength Training

(1.5 credits) 3 hours lecture for 6.5 weeks

This course introduces strength training principles that can be applied to counsel healthy individuals. The course builds on theory from Human Anatomy by applying concepts in that course to strength training principles. The course covers basic theory and emphasizes practical aspects of strength training. Students will be required to participate in strength training activities in this course.

Prerequisite: Physical Literacy 1512.

HPED 2851 – Cardiovascular Training

(1.5 credits) 3 hours lecture for 6.5 weeks

This course is designed to both improve the cardiovascular fitness of the student and, at the same time, familiarize him or her with theoretical knowledge and training regimens.

HPED 2852 – Net and Implement Games

(3 credits) 3 hours lecture

This course provides strategy, tactics and skills for games that involve a net or wall, such as volleyball, badminton and squash. This course provides an overview of how game skills can contribute to healthy lifestyles and the development of age appropriate fundamental movement skills with a focus on activity for life. Students who complete this course will have the competency to deliver net and wall game experiences safely.

Recommended Preparation: Physical Literacy 1310.

HPED 2870 – Introductory Backpacking

(1.5 credits) Block course, multiday excursion

This course is an exposure to the skills, knowledge and attitudes necessary for trail hiking, off trail rambling and below treeline camping in the backcountry. Harmonious and minimal impact living and walking in the natural environment is a major priority.

HPED 2871 – Introductory Mountain Travel

(1.5 credits) 3 hours lecture for 6.5 weeks

This is an introductory course in mountaineering, which includes alpine and glacier techniques. Emphasis will be placed on safety and sound judgement. A peak ascent, within the Rocky Mountains, will be attempted. Participation is required in one weekend.

HPED 2872 – Wilderness Survival Techniques

(1.5 credits) 3 hours lecture for 6.5 weeks

This course prepares students to handle emergency situations in the Canadian climate. Participation is required in one weekend.

HPED 2873 – Introductory Rock Climbing

(1.5 credits) 3 hours lecture for 6.5 weeks

This is an introductory course in rock climbing with the emphasis on the skills necessary for easy lead climbing.

HPED 2875 – Introductory Mountain Biking

(1.5 credits) 3 hours lecture for 6.5 weeks

This course is designed to provide students with the ability to demonstrate basic skills regarding safety, mountain bike maintenance and repair, riding technique and planning for back country touring. Participation is required in one weekend.

HPED 2880 – Introductory Canoeing

(1.5 credits) Block course, multiday excursion or 3 hours lecture for 6.5 weeks

This is an introductory course in canoeing with the emphasis on basic techniques, equipment, safety precautions, group dynamics and leadership skills. Students will be involved in moving water situations.

Prerequisite: Students must be able to swim 100 metres.

HPED 2881 – Introductory Kayaking

(1.5 credits) 3 hours lecture for 6.5 weeks

This is an introductory course in kayaking with the emphasis on basic techniques, equipment, safety precautions, group dynamics and leadership skills. Students may be involved in moving water situations.

Prerequisite: Students must be able to swim 100 metres.

HPED 2882 – Introductory Swimming

(3 credits) 3 hours lecture

Students will understand and perfect the front crawl, back crawl, breaststroke, elementary back stroke, sidestroke and butterfly. Water entries, self-rescue skills, basic first aid and Cardio Pulmonary Resuscitation will also be covered in the course. Students will be introduced to other aquatic recreation activities such as skin diving, aquasize and water games.

Prerequisite: Students enrolling in the course must be comfortable in deep water and be able to swim 100 metres continuously.

Note: Students will be responsible for payment of fees to outside organizations when the issue of a certificate involves a fee.

HPED 2883 – Recreational Aquatic Games

(3 credits) 3 hours lecture

This course will introduce students to a variety of aquatic based sports and recreational activities. Students will become proficient in swimming strokes, aquatic games and the rescue of self and others. Students will develop instructional strategies for swimming strokes and aquatic activities.

Note: Student must be comfortable in deep water and be able to swim a minimum of 100 meters continuously.

HPED 2884 – Introductory Winter Travel

(1.5 credits) 3 hours lecture for 6.5 weeks

This course introduces students to a spectrum of self propelled winter activities including snowshoeing, classic cross-country and skate-skiing as well as winter hiking and winter camping techniques. Emphasis will be given to skill development, self and group care in a winter context and connections to the health and well-being implications of staying active during the winter months. Participation is required for one weekend.

HPED 3010 – Sociological Perspectives

(3 credits) 3 hours lecture

This course is a study of the social and cultural meanings of sport and physical activity in contemporary Canadian society and culture.

**HPED 3030 – Research Methods and Statistics for Health Professionals**

(3 credits) 3 hours lecture

This course builds on students' experience derived from HPED 2030 to advance their knowledge of statistical procedures and research methods in the development of professional practice. Students will learn evidence informed practice, levels of evidence and experimental design theory. Students will screen data and conduct analyses such as correlation, regression, ANOVA including post hoc tests and non-parametric analyses using statistical software.

Prerequisite: Health and Physical Education 2030.

HPED 3050 – Practicum**(3 credits) 1 hour lecture, 250 hours practicum**

This course is the second practicum for Bachelor of Health and Physical Education students (except Athletic Therapy majors). This is a formal industry experience with an approved organization in the health, ecotourism, outdoor leadership, sport, recreation, or physical activity industries. Students will be required to complete a minimum of 250 hours of practicum and to complete assignments.

Prerequisites: Health and Physical Education 2030 and 2050 or Physical Education 1050 or Ecotourism and Outdoor Leadership 2011.

HPED 3630 – Recreation and Sport Tourism**(3 credits) 3 hours lecture**

This course is an investigation of principles and practices of marketing in sport and recreation studies.

HPED 3740 – Wellness and the Student: From Community Health to Global Action**(3 credits) 3 hours lecture**

This course introduces how personal wellness impacts family and community health and highlights strategies for promoting global well-being. Utilizing a mix of theory and application, students gain an understanding of the interconnectivity of family and community well-being to global health. Students also explore individual, community and global actions that impact global health and wellbeing.

**HPED 3850 – Advanced Strength Training****(3 credits) 3 hours lecture**

This is an advanced course in the theory and practice of strength training. Emphasis will be on the utilization of free weight equipment for participants requiring additional or advanced strength training.

Prerequisite: Health and Physical Education 2850.

HPED 3884 – Winter Back Country Travel**(1.5 credits) 3 hours lecture for 6.5 weeks**

This course is an introduction to the basic skills and knowledge of back country skiing. Participation is required in one weekend.

Recommended Preparation: Health and Physical Education 2884.

HPED 4709 – Field School-A**(3 credits) 3 hours lecture**

This course is designed to provide students with a learning experience outside of the traditional classroom setting. Students will travel nationally or internationally to a discipline-specific and relevant location related to their program of study. Students will apply theoretical principles learned throughout the program. A project (typically research based) will be completed while on location or data collection will occur throughout the experience. Please note that additional fees (travel, accommodation, sustenance, program fees) will apply outside of the standard tuition.

Prerequisite: Approval of the department.

HPED 4711 – Field School-B**(6 credits) 6 hours lecture**

This course is designed to provide students with a learning experience outside of the traditional classroom setting. Students will travel nationally or internationally to a discipline-specific and relevant location related to their program of study. Students will apply theoretical principles learned throughout the program. A major project (typically research based) will be completed while on location or data collection will occur throughout the experience. Please note that additional fees (travel, accommodation, sustenance, program fees) will apply outside of the standard tuition.

Prerequisite: Approval of the department.

HPED 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) 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) 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.

HRES 3275 – Compensation & Benefits**(3 credits) 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.

HRES 3277 – Organizational Learning and Development**(3 credits) 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.

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.

HRES 4273 – Labour Relations**(3 credits) 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.

HRES 4275 – Organization Development & Culture Calibration

(3 credits) 3 hours lecture

This course examines how HR professionals effectively anticipate, diagnose, implement, and monitor long-range initiatives to enhance an organization's culture and drive performance, thereby developing relationships with, and providing value to, leaders and managers. HR metrics, decision making skills, and exploration and implementation of processes to contribute to organizational success will also be reviewed. As well, ethical considerations within the creation of an organizational HR brand will be analyzed.

Prerequisites: Human Resources 3275, 3277, 3274, and 3278.

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: Human Resources 4273 and 4275.

HRES 2299, 3399 – Directed Readings

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

HUMANITIES (HUMN)

HUMN 1109 – Western Culture I: Before the Reformation

(3 credits) 3 hours lecture

This course surveys the development of Western cultural experience from its origins in Ancient Greece 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

(3 credits) 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

(3 credits) 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, philosophy and politics. Each semester a different individual or individuals are the focus of study.



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

(3 credits) 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.



HUMN 2221 – Science and Religion in Early Modern Europe

(3 credits) 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 1109, 1111, History 1101, 1103, 3333, 3357, Philosophy 1101, 2215, 2263, 2267, Religious Studies 1101.



HUMN 2297 – Issues in Science and Religion

(3 credits) 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.

INTERNATIONAL BUSINESS (INBU)

INBU 2201 – Cross-Cultural Management

(3 credit) 3 hours lecture

This course provides an overview of cross-cultural management practices and examines how culture is expressed through organizational behaviour within the business community in Canada and abroad. In this course students will be exposed to the importance of culture and the nature of cultural diversity in relation to communication, etiquette, motivating employees, and organizational structure.

INBU 3301 – Global Business Environment

(3 credits) 3 hours lecture

This course is an introduction to the field of international business: national economic, political and cultural differences; the issues surrounding globalization; the role of international institutions in facilitating international trade; international trade agreements; the international monetary system; current international business trends and developments. The course will stress Canada's place in the global economy and the challenges Canadian businesses face in doing international business.



INBU 3302 – International Marketing

(3 credits) 3 hours lecture

There are ways to succeed in international marketing and they include understanding who your customers are, what they want and how you can best provide it. International Marketing prepares you to master the challenges of international markets. Topics include domestic versus international marketing, principles of marketing, market research techniques, promotional strategies, pricing, missions and trade fairs and international marketing management.



INBU 3304 – Global Supply Chain Management**(3 credits) 3 hours lecture**

Logistics involve the steps taken to get your products to market. Logistics can be a source of competitive advantage; both speed and efficiency of delivery are key elements affecting marketing and financing. In this course, you will learn ways to deliver your product better, cheaper and faster than your competitors. Topics include commercial documentation, government documents, regulatory compliance, health and environment issues, transportation and customs clearance.

INBU 3305 – International Market Entry Strategies**(3 credits) 3 hours lecture**

Success in international trade means that your product must get into the hands of prospective customers in the most efficient, safe and cost-effective manner possible. Topics in this course include distribution channels, partnering, barriers to entry, market entry strategies, managing a joint venture, investment-based strategies and exit strategies.

INBU 3306 – International Trade Research**(3 credits) 3 hours lecture**

Effectiveness in international trade depends greatly upon developing an in-depth understanding of your targeted international markets. Trade Research will help you discover how to evaluate import and export opportunities, source market information, analyze data and define research objectives. Topics include Management Information Systems for international trade, using databases, applications of trade research and competitor intelligence.

Prerequisite: International Business 3301.

INBU 3307 – International Trade Law**(3 credits) 3 hours lecture**

Gain a clear understanding of international laws and regulations and examine key legal issues that may have implications for your expansion into the global marketplace. Topics in International Trade Law include international business agreements, Canadian contract law, public trade law, international sale of goods and product liability and insurance.

Prerequisite: International Business 3301 and Management 3230.

INBU 3730 – Special Topics in International Business**(3 credits) 3 hours lecture**

This course provides an examination of selected topics in international business, including opportunities in international venues through travel study. As this is a variable content course, the specific topic will be announced each time the course is offered. Students may not receive credit for this course more than once.

Prerequisite: International Business 3301.

INBU 3901 – Doing Business in Emerging Markets**(3 credits) 3 hours lecture**

Students examine the position of emerging markets in the new global economy and the business opportunities available in these countries. It highlights challenges and opportunities associated with organizational management and business strategy in emerging economies. Topics include understanding emerging economies; markets and institutions; operating in emerging markets; emerging markets' innovations; managing risk in emerging markets; targeting emerging market clients; and business ethics in emerging markets.

Prerequisite: International Business 3301.

INBU 4408 – International Trade Management**(3 credits) 3 hours lecture**

The emergence of a global economy has challenged traditional assumptions about management. For companies seeking to penetrate worldwide markets, the skills learned in International Trade Management could mean the difference between success and failure. Topics include sources of market information, international business planning, applications of trade research and competitor intelligence, including benchmarking the competition, building an international work force, operating a trade office and managing international assets.

Prerequisite: International Business 3301, 3302, or consent of the department.

INBU 2299, 3399 – Directed Readings

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

INTERIOR DESIGN (INDS)**INDS 1141 – Studio 1: Space + Experience****(3 credits) 12 hours studio**

Through a series of projects, students investigate, explore, and develop their understanding of how people interact with and experience space. This course applies knowledge and skills from the core areas of study in the term.

INDS 1142 – Design + Precedent 1**(3 credits) 3 hours lecture**

The focus of this course is how people interact with and experience space. This perspective is introduced and explored through design theory (elements, principles, human factors, sensory experience), design vocabulary and design precedents necessary for creative exploration.

INDS 1144 – Design Tools 1**(3 credits) 3 hours lecture**

This course introduces principles of effective visual communication. Freehand drawing methods, figure drawing, model building, and compositions utilizing various mediums, will be used to explore and communicate how people interact with and experience space. Skills learned are fundamental for creative exploration.

INDS 1241 – Studio 2: Inhabitation**(3 credits) 12 hours studio**

Through a series of projects, students investigate, explore, and develop their understanding of human inhabitation of space. Students apply their understanding of space and experience and extend it to the rituals of spatial inhabitation. This course applies knowledge and skills from the core areas of study in the term.

Prerequisites: Interior Design 1141, 1142, 1144 and Design Studies 1101 with a minimum grade of C, or consent of the department.

INDS 1242 – Design + Precedent 2**(3 credits) 3 hours lecture**

The focus of this course is how people inhabit space. This perspective is introduced and explored through design theory (spatial syntax, place-making, context), scales of inhabitation and design precedents necessary for creative exploration.

Prerequisites: Interior Design 1141, 1142, 1144 and Design Studies 1101 with a minimum grade of C, or consent of the department.

INDS 1243 – Systems 2**(3 credits) 3 hours lecture**

This course introduces basic building systems necessary to construct spaces for human inhabitation. Topics will include: basic structural principles, fundamental building systems, essential building regulations, sustainability and material properties.

Prerequisites: Interior Design 1141, 1142, 1144, and Design Studies 1101 with a minimum grade of C, or consent of the department.

INDS 1244 – Design Tools 2**(3 credits) 3 hours lecture**

This course expands hand and digital communication tools. Technical drawing conventions, orthographic projection, and rendering techniques utilizing various mediums, will be used to explore and communicate how people inhabit space. Skills learned are a key aspect of creative exploration and professional practice.

Prerequisites: Interior Design 1141, 1142, 1144 and Design Studies 1101 with a minimum grade of C, or consent of the department.

INDS 2010 – Directed Field Studies I**(15 credits)**

This course will foster an understanding of the multi-faceted practice of interior design. Through paid work experiences in businesses associated with the design and construction of interior environments, students will apply academic skills and theory acquired in Semesters 1 - 4. The required on-line learning modules provide academic background in sustainable design.

Prerequisite: Interior Studies 3327 and all required 4th semester courses.

INDS 2141 – Studio 3: Spatial Connectivity**(3 credits) 12 hours studio**

Through a series of projects, students investigate, explore, and develop their understanding of spatial connectivity. Students apply their understanding of inhabitation and connectivity between spaces of varied functions, environments and experiences. This course applies knowledge and skills from the core areas of study in the semester.

Prerequisites: Interior Design 1241, 1242, 1243 and 1244 with a minimum grade of C, or consent of the department.

INDS 2142 – Design + Precedent 3**(3 credits) 3 hours lecture**

The focus of this course is patterns of inhabitation and connectivity of spaces. This perspective will be introduced and explored through design theory (spatial mapping, kinesthetics, public interaction, and temporality), patterns of inhabitation, and design precedents necessary for creative exploration.

Prerequisites: Interior Design 1241, 1242, 1243 and 1244 with a minimum grade of C, or consent of the department.

INDS 2143 – Systems 3**(3 credits) 3 hours lecture**

This course introduces fundamental building systems and background knowledge necessary for understanding and designing for the connected, built environment. Topics will include: frame structures, integrated building systems, building codes and bylaws, material properties and sustainable design principles.

Prerequisites: Interior Design 1241, 1242, 1243 and 1244 with a minimum grade of C, or consent of the department.

INDS 2144 – Design Tools 3**(3 credits) 2 hours lecture, 4 hours lab**

This course develops student knowledge and abilities used to explore connections between design intent, graphic representation and the connected built environment. This course expands the hand and digital skills (AutoCAD, Adobe Creative Suite, SketchUp) used to communicate design intent and construction drawings.

Prerequisites: Interior Design 1241, 1242, 1243 and 1244 with a minimum grade of C, or consent of the department.

INDS 2241 – Studio 4: The Collective**(3 credits) 12 hours studio**

Through a series of projects, students investigate, explore, and develop their understanding of design for collective inhabitation and spatial connectivity at various scales of public and private spaces. This course applies knowledge and skills from the core areas of study in the semester.

Prerequisites: Interior Design 2141, 2142, 2143, and 2144 with a minimum grade of C, or consent of the department.

INDS 2242 – Design + Precedent 4**(3 credits) 3 hours lecture**

Through a series of investigations students will explore and develop their understanding of design for the collective. This will be introduced and explored through design theory (public interaction, corporate/organizational culture, collective rituals, living collectively), spatial programming and design precedents necessary for creative exploration.

Prerequisites: Interior Design 2141, 2142, 2143 and 2144 with a minimum grade of C, or consent of the department.

INDS 2243 – Systems 4**(3 credits) 3 hours lecture**

This course provides an introduction to integrated building systems and background knowledge necessary for understanding and designing for collective public spaces in the built environments. Topics will include: shell structures, integrated systems, related building codes and bylaws, material properties and sustainable design principles.

Prerequisites: Interior Design 2141, 2142, 2143 and 2144 with a minimum grade of C, or consent of the department.

INDS 2244 – Design Tools 4**(3 credits) 2 hours lecture, 4 hours lab**

This course develops student knowledge and abilities used to communicate in professional practice. This course expands and combines the hand (hybrid drawing) and digital skills (AutoCAD, Adobe Creative Suite, SketchUp) necessary for creative exploration.

Prerequisites: Interior Design 2141, 2142, 2143 and 2144 with a minimum grade of C, or consent of the department.

INDS 3010 – Directed Field Studies II**(15 credits)**

This second semester of paid work experience will provide students with practical experience in areas which pertain to their specific interests and skills. Although employment will be coordinated through the Career Services office, students will be encouraged to find their own employment opportunities.

INDS 3141 – Studio 5: Context**(3 credits) 12 hours studio**

This course applies knowledge and skills from the core areas of study in the term. Through a series of projects, students investigate, explore, and develop contextually sensitive design for the creation of complex volumes in multi-use spaces.

Prerequisites: Interior Design 2241, 2242, 2243, and 2244 with a minimum grade of C, or consent of the department.

INDS 3142 – Design + Precedent 5**(3 credits) 3 hours lecture**

Through a series of investigations, students will engage in dialogue about specialized interior typologies and complex volumes. Dialogue will be introduced and explored through design theory (consumption, leisure, branding), contextual analysis and design precedents necessary for creative exploration.

Prerequisites: Interior Design 2241, 2242, 2243, and 2244 with a minimum grade of C, or consent of the department.

INDS 3143 – Systems 5**(3 credits) 3 hours lecture**

This course provides an examination and exploration of complex, public spaces. Advanced specification considerations and topics will include: specialized interior typologies, integration of building regulations, codes and bylaws, heating/ventilation/air conditioning (HVAC), lighting, acoustics, casework, furniture, fixtures, equipment and materials.

Prerequisites: Interior Design 2241, 2242, 2243, and 2244 with a minimum grade of C, or consent of the department.

INDS 3144 – Design Tools 5**(3 credits) 3 hours lecture**

This course provides an introduction to advanced digital communication methods and media. Digital perspectives and modelling skills are developed through advanced digital media software (3D Studio Max modeling software) necessary for creative exploration. Students develop their professional portfolio.

Prerequisites: Interior Design 2241, 2242, 2243, and 2244 with a minimum grade of C, or consent of the department.

INDS 3241 – Studio 6: Transformations**(3 credits) 12 hours studio**

This course applies knowledge and skills from the core areas of study in the term. Through a series of projects, students investigate, explore, and develop prototypes that express the transformation and experience of space and the potential materiality of unique spatial conditions.

Prerequisites: Interior Design 3141, 3142, 3143, and 3144 with a minimum grade of C, or consent of the department.

INDS 3242 – Design + Precedent 6**(3 credits) 3 hours lecture**

Through a series of investigations, students will engage in dialogue about the transformation and experience of space through material qualities, artifacts and adaptive reuse. This will be introduced and explored through design theory (craft, making, digitization, adaptive reuse) and design precedents necessary for creative exploration.

Prerequisites: Interior Design 3141, 3142, 3143, and 3144 with a minimum grade of C, or consent of the department.

INDS 3244 – Design Tools 6**(3 credits) 3 hours lecture**

This course expands student knowledge of advanced computer technology (computer modelling and 3D prototyping) to support student project development. Students refine and further develop their professional portfolios, in preparation for the required internship (INDS 3345).

Prerequisites: Interior Design 3141, 3142, 3143, and 3144 with a minimum grade of C, or consent of the department.

INDS 3345 – Internship**(zero-credit) 450 hours**

This required, zero-credit, paid internship, will foster an understanding of the culture, expectations and requirements of professional Interior Design practice. The internship provides work experience opportunities with businesses involved in various aspects of design and construction of the built environment. Students will apply, refine and hone academic knowledge, skills and abilities acquired in the program.

Prerequisites: Interior Design 3241, 3242, 3244 and Design Studies 3201 with a minimum grade of C, or consent of the department.

INDS 4141 – Studio 7: Investigation**(3 credits) 12 hours studio**

Studio integrates prototyping, case studies and evidence-based design research as a process to explore design thinking and making. Through a series of selected spatial typologies and directed study modules students will prepare for their capstone thesis project development in Studio 8. Student explorations and research may be supported through professional mentorship.

Prerequisites: Interior Design 3241, 3242, 3244 and Design Studies 3201 with a minimum grade of C, or consent of the department.

INDS 4142 – Design + Precedent 7**(3 credits) 3 hours lecture**

This seminar course supports small student group investigation and dialogue into specific typologies that may inform their individual capstone/thesis project. Exploration of advanced design theory, programming and research methods (evidence-based) provide a framework for students to gather, analyze, synthesize, develop and inform their thesis.

Prerequisites: Interior Design 3241, 3242, 3244 and Design Studies 3201 with a minimum grade of C, or consent of the department.

INDS 4143 – Systems 7**(3 credits) 3 hours lecture**

This seminar course supports small student group investigation and dialogue into specific advanced building science principles and material properties. Students will explore and integrate current building science guidelines and issues, including Leadership in Energy and Environmental Design (LEED), green design, energy, Sick Building Syndrome (SBS), Indoor Air Quality (IAQ), and acoustics into built environments.

Prerequisites: Interior Design 3241, 3242, 3244 and Design Studies 3201 with a minimum grade of C, or consent of the department.

INDS 4245 – Professional Practice**(3 credits) 3 hours lecture**

This course focuses on professional practice standards. Students will explore the business principles, project structure and management, practice and client types, and the contributions of interior design practice to society, in preparation for practice as a professional Interior Designer.

Prerequisites: Interior Design 4141, 4142, and 4143 with a minimum grade of C, or consent of the department.

INDS 5241 – Studio 8: Integration (formerly INDS 4241)**(3 credits) 9 hours studio**

Studio 8 is a culmination of the student-directed project investigations begun in Studio 7. Student work will be supported by faculty and professional mentorship. This studio course results in a capstone thesis project with a multi-media presentation and final thesis documentation. This final thesis work is displayed in a grad show at the end of the term.

Prerequisites: Interior Design 4141, 4142, and 4143 with a minimum grade of C, or consent of the department.

INDS 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.

**INST 2710 – Indigenous Arts of North America****(3 credits) 3 hours lecture**

This course offers an investigation into the arts of the Indigenous peoples of North America and the distinctive traditions associated with the Arctic, the Woodlands, the Plains, the Northwest Coast and the Southwest. Particular emphasis will be placed on Indigenous art of the modern and contemporary world.

**INST 2720 – Travel Studies in Indigenous Studies****(3 credits) 3 hours lecture**

This course offers the opportunity to conduct land-based learning in the field of Indigenous Studies. The content and themes of the course will vary by term and instructor. The course will include at least one multi-night field trip within Canada or abroad.

Recommended Preparation: Indigenous Studies 1101 or 1111.

**INST 2730 – Topics in Indigenous Studies****(3 credits) 3 hours lecture**

This course offers the opportunity to examine specific topics in Indigenous Studies in both Canadian and International contexts. The specific content of the course will vary by term and instructor. Possible topics include education, contact narratives, land rights, politics, Metis/Mestizo history and culture, and Indigenous women's studies.

Recommended Preparation: Indigenous Studies 1101 and/or 1111.



INST 3710 – Place- and Land-based Learning: Decolonizing and Indigenous Perspectives

(3 credits) 3 hours lecture

This course explores decolonizing and Indigenous perspectives as this pertains to 'learning from place' and 'learning on the land' in local and international contexts. Particular attention will be paid to the connections between Indigenous conceptions of place and land, and matters concerning resistance/agency, language/identity, truth/reconciliation, and knowledge/social relations.

Prerequisite: Indigenous Studies 1101.

INTERDISCIPLINARY STUDIES (INTS)

INTS 1240 – Fundamentals of Professional Communication

(3 credits) 3 hours lecture

This course provides an introduction and overview to aspects of professional communication. Utilizing a mix of theory and application, the course provides students with opportunities to gain an understanding of the elements of professional communication and demonstrate a foundational level of knowledge and skill of the application of professional communication for use in a variety of settings.



INTS 2301 – Violence Across the Lifespan

(3 credits) 3 hours lecture

Violence affects each of us directly or indirectly at some point in our lives and the consequences can be devastating and include health and or psychological effects. In this course we will discuss various forms of violence that occur across the lifespan including child abuse, bullying, sexual assault and exploitation, intimate partner violence, and elder abuse. An ecological model of violence prevention and social determinants of health will be used to help explore influences on risks and interrelationships between the forms of violence. Students will use a variety of interactive learning strategies to explore promising practices for violence prevention and for fostering resilience. This course will bring students together from various backgrounds and disciplines to develop a shared understanding of violence and violence prevention.



INTS 3331 – International Community Development

(3 credits) Online

This interdisciplinary course will provide students with an overview of International Community Development issues such as poverty, health care, education, human rights, foreign aid and controversy. Students will be encouraged to examine topics such as sustainable development, child soldiers, and the world AIDS crisis, from the unique perspective of their individual field of study.



ITALIAN (ITAL)

Students with previous knowledge of Italian are required to contact the Department of English, Languages, and Cultures in order to take a placement test to determine the appropriate course level prior to registering in an Italian course.

Students who register in a course that is not appropriate to their level of language proficiency, as determined by the Department of English, Languages, and Cultures, may be deregistered from the class without prior notice.

ITAL 1101 – Beginners' Italian

(3 credits) 4 hours lecture, 1 hour lab

This course is designed for students with no previous knowledge of the language, and provides training in the comprehension, speaking, reading and writing of Italian. Upon successful completion of the course, students will be able to carry on an elementary conversation and read basic texts in Italian. Elements of Italian culture will also figure prominently in the teaching of the language.



ITAL 1103 – Beginners' Italian II

(3 credits) 4 hours lecture, 1 hour lab

This course will provide students with the opportunity to further develop their oral, reading and writing skills. It also allows them to gain a more in-depth understanding of Italian culture.

Prerequisite: Italian 1101 or equivalent.



ITAL 3199, 4199 – Directed Readings

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

JAPANESE (JPNS)

Students with previous knowledge of Japanese are required to contact the Department of English, Languages, and Cultures in order to take a placement test to determine the appropriate course level prior to registering in a Japanese course.

Students who register in a course that is not appropriate to their level of language proficiency, as determined by the Department of English, Languages, and Cultures, may be deregistered from the class without prior notice.

JPNS 1105 – Beginners' Japanese I

(3 credits) 4 hours lecture, 1 hour lab

Basic concepts of modern Japanese. Reading and writing of characters, essentials of grammar, basic vocabulary, and oral drills on normal speech patterns.



JPNS 1107 – Beginners' Japanese II

(3 credits) 4 hours lecture, 1 hour lab

Continuation of Japanese 1105.

Prerequisite: Japanese 1105 or consent of the department.



JPNS 2209 – Japanese Culture

(3 credits) 3 hours lectures

This course will provide a comprehensive introduction to the geography, nature, history and social life of Japan. Students will explore the modern and traditional aspects of Japan through family, society and the arts. Classroom activity will be augmented by cultural activities.



Note: This course is taught in English; no knowledge of Japanese and no prerequisites are expected.

JPNS 3199, 4199 – Directed Readings

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

LATIN AMERICAN CULTURES (LAST)

LAST 1101 – Introduction to Contemporary Latin American Cultures

(3 credits) 3 hours lecture

This course provides an overview of Latin American regional similarities and cultural differences through the study of contemporary indigenous peoples, the Iberian heritage and contemporary national cultures. Students will explore many forms of artistic expression, including literature, architecture and popular culture. The aim is the development of cultural understanding of the various societies in Hispanic America.



LAST 2201 – Cultures of South America

(3 credits) 3 hours lecture

This course is a continuation of Introduction to Contemporary Latin American Cultures 1101. It offers a more in-depth study of the societies in South America from a Latin American perspective. Students will explore and analyze a variety of cultural contexts and forms of expression.

Prerequisite: Latin American Cultures 1101 or consent of the department.



LAST 2202 – Cultures of Mexico, Central America and the Caribbean

(3 credits) 3 hours lecture

This course is a continuation of Introduction to Contemporary Latin American Cultures 1101. It offers a more in-depth study of the societies of Mexico, Central America and the Caribbean from a Latin American perspective. Students will explore and analyze a variety of cultural contexts and forms of expression.

Prerequisite: Latin American Cultures 1101 or consent of the department.



LINGUISTICS (LING)

LING 1111 – The Nature of Language I

(3 credits) 3 hours lecture

This course provides a survey of the field of theoretical linguistics: its content, techniques, and objectives through the solution of problems from selected languages. Topics include articulatory phonetics and phonology; words and their meaning; and the formation of sentences.



LING 1113 – The Nature of Language II

(3 credits) 3 hours lecture

This course provides a survey of the field of applied linguistics; its content, techniques, and objectives. Topics include language in historical and social context; language change and variation; language families; writing systems; language acquisition; and psycholinguistics.

Prerequisite: Linguistics 1111.



LING 2201 – Syntax I

(3 credits) 3 hours lecture

This course provides an overview of the theory and methodology of syntactic analysis, using English as a primary example. Topics will include syntactic categories, grammatical, thematic and structural relations, and syntactic movement.

Prerequisite: Linguistics 1111 with a minimum grade of C-.



LING 2203 – Phonetics

(3 credits) 3 hours lecture

This course provides an introduction to articulatory phonetics, exploring the range of sounds found in the world's languages, including sounds not found in English. Topics may include vocal tract anatomy, airstream mechanisms, consonants, vowels, and suprasegmentals.

Prerequisite: Linguistics 1111.

LING 2207 – Second Language Acquisition

(3 credits) 3 hours lecture

This course offers an overview of linguistic perspectives on second language acquisition and their implications for second language teaching. Topics will include: the nature of language proficiency; language and the mind; and the roles of first language and universal grammar in learning a second language.

Prerequisite: Linguistics 1113.



LING 2215 – Phonology I

(3 credits) 3 hours lecture

This course is an introduction to the theory and practice of phonological analysis. Topics may include the classical phoneme, features and their organization, underlying and surface representations, rules and derivations, syllabic and metrical structure.

Prerequisites: Linguistics 1111.

LING 2221 – Modern English Grammar

(3 credits) 3 hours lecture

A comprehensive exploration of contemporary English. The course is based on modern linguistic analysis, but also includes traditional grammatical terminology, as well as language change, attitudes to language varieties and problems in usage.



LING 2231 – First Language Acquisition

(3 credits) 3 hours lecture

An overview of major issues and developmental patterns in child language acquisition.

Prerequisite: Linguistics 1111, 1113 (may be corequisite) or Psychology 1105 or equivalent.



LING 2241 – Languages of Canada

(3 credits) 3 hours lecture

This course is an introduction to the socio-linguistic picture of modern Canadian society. It is based on the analysis of history and contemporary life of various Canadian linguistic communities using different languages to develop and build their cultures as well as to communicate.

LING 3315 – Language Typology

(3 credits) 3 hours lecture

This course introduces students to the methodology of language typology and presents an overview of the results of research in this field. Topics include an examination of the similarities and differences between languages, and the identification of common and rare characteristics found in language.

Prerequisites: Linguistics 1111.

Recommended Preparation: Linguistics 2201 and/or Linguistics 2215.

LING 3371 – Introduction to Psycholinguistics

(3 credits) 3 hours lecture

An introduction to the field of Psycholinguistics; its findings, research orientations and methodologies.

Prerequisite: Linguistics 1111 or 1113.



LING 3199, 4199 – Directed Readings

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

LOGISTICS AND SUPPLY CHAIN MANAGEMENT (LSCM)

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 2301 – Introduction to Physical Distribution (formerly LSCM 3301)

(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 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 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 2301.

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 3402 – Inventory and Warehouse Management (formerly LSCM 4402)

(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 or 3305, or consent of the department Chair.

LSCM 3403 – Operations Management (formerly LSCM 4403)

(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 2262.

LSCM 3407 – Business Negotiations/Project Management (formerly LSCM 4407)

(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 3402 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 3402 or consent of the department.

MATHEMATICS (MATH)

MATH 0115 – Foundations of Mathematics I

(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 or Mathematics 0132, where algebraic skills are utilized to study more advanced topics.

Corresponding Alberta High School Equivalent: Mathematics 10-C/Mathematics 20-1.

MATH 0130 – Pre-Calculus

(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: Mathematics 30-1.

Recommended Preparation: Mathematics 0115, Mathematics 20-1 or Mathematics 20-2/30-2.

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, Mathematics 30-1 or equivalent.

MATH 0132 – Foundations of Mathematics II

(0 credits) 5 hours lecture, 1 hour tutorial

Part 1: Set Theory, Probability and Statistics

Topics include Set Theory, Probability, Fundamental Counting Principle, Permutations, Combinations, Introduction to Statistics (sampling methods, presentation of data, measures of central tendency and dispersion, the normal distribution).

Part 2: Functions and Relations

Topics include polynomial functions, operations on rational expressions, rational equations, and rational functions, exponential and logarithmic functions, trigonometric functions. The course objectives are to describe, analyze, and graph these functions, find models from data or from a verbal description, and to solve contextual problems involving these functions without and with technology.

Corresponding Alberta High School Equivalent: Mathematics 30-2.

Recommended Preparation: Mathematics 20-1, Mathematics 20-2, Mathematics 0115 or equivalent.

MATH 1102 – Introduction to Geometry

(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 – Introduction to Statistical Reasoning

(3 credits) 3 hours lecture

This course is intended for a general audience that is interested in statistical concepts in their every day life. This course will be more qualitative than quantitative and aimed at sparking interest in statistics and probability as a discipline. Emphasis will be on understanding statistical and probabilistic concepts rather than computational aspects.



MATH 1150 – Mathematical Reasoning

(3 credits) 3 hours lecture

This course explores topics in discrete mathematics including the language of logic, set theory, enumeration, probability and statistics. Basic elements of probability and statistics will be used to solve problems involving the organization, description and interpretation of data.

MATH 1185 – Calculus with Applications (formerly MATH 2285)

(3 credits) 3 hours lecture, 2 hours lab

This course is an introduction to calculus with an emphasis on applications in sciences. Problem solving is a major component of this course.

Prerequisite: Mathematics 30-1 with a grade of 60% or higher or equivalent.

Note: Only one of Mathematics 1200, 1217, 2251, and 1185 can be used to satisfy graduation requirements within a Bachelor of Science.

MATH 1200 – Calculus for Scientists I

(3 credits) 4 hours lecture, 1 hour tutorial

This course provides an introduction to calculus with exposure to applications in science, business, and economics. The main concepts covered are limits, derivatives, and integrals. Derivatives of exponential, logarithmic, trigonometric and inverse trigonometric functions are used to solve optimization, linear approximation, and related rates problems. Techniques of integration and applications are also introduced. Studying calculus will expose students to a variety of important mathematical ideas and help students develop their calculation, critical thinking and problem solving skills.

Prerequisite: A grade of 60% or higher in Mathematics 30-1 or in Mathematics 0130, or a grade of C- or higher in any of Mathematics 1283 or 1285 or equivalent.



MATH 1202 – Calculus for Scientists II

(3 credits) 3 hours lecture, 1 hour tutorial

This course is an introduction to integral calculus and its applications. Methods of integration are studied and applied to the calculation of volumes, surface areas, arc lengths and work. Inverse trigonometric and hyperbolic functions, L'Hospital's Rule, first and second-order linear differential equations are also studied.

Prerequisite: Mathematics 1200 with a grade of C- or higher.



MATH 1203 – Linear Algebra for Scientists and Engineers

(3 credits) 3 hours lecture, 1 hour tutorial

This course is an introduction to linear algebra for science students. Topics covered are vector and matrix algebra, systems of linear equations, determinants, linear transformations, polar coordinates and complex numbers. Applications in the physical sciences are studied with the help of eigenvalues and eigenvectors.

Prerequisite: Mathematics 30-1 with a 60% or higher.



MATH 1205 – The Beauty of Mathematics

(3 credits) 3 hours lecture

This course introduces the student to the skills of problem solving and critical thinking. Students are also exposed to some of the history, philosophy, ideas, and people in mathematics. An emphasis is placed on applications of mathematics to everyday life.



MATH 1211 – Concepts of Mathematical Statistics**(3 credits) 4 hours lecture, 1 hour lab**

This course involves descriptive statistics and a brief introduction to probability theory. A systematic treatment of inferential statistics is undertaken in this course. Topics include the inferences of one population and two population means and proportions, regression and correlation, and chi-square test.

Prerequisite: Mathematics 30-1, Mathematics 0130 or equivalent with a grade of 65% or higher; or Mathematics 1283 or 1285 with a grade of B- or higher; and Mathematics 31 or Mathematics 0131 with a grade of 50% or higher.

Note: Only one of the Mathematics 1211, Mathematics 1224, Mathematics 2233 and Mathematics 2333 can be used for graduation purpose.

**MATH 1217 – Calculus for Engineers and Scientists I****(3 credits) 3 hours lecture, 1.5 hours tutorial**

Functions, limits, continuity, derivatives, mean value theorem, integrals, fundamental theorem of calculus, applications in the physical sciences

Prerequisite: Mathematics 30-1, Mathematics 0130 or equivalent with a grade of 65% or higher; or Mathematics 1283 or 1285 with a grade of B- or higher; and Mathematics 31 or Mathematics 0131 with a grade of 50% or higher.

Note: Credit for more than one of Mathematics 1217, 2249, 2251 and 2285 will not be allowed.

MATH 1219 – Multivariable Calculus for Engineers**(3 credits) 3 hours lecture, 1.5 hours tutorial**

Techniques of integration, double and triple integrals, partial derivatives, applications.

Prerequisite: Mathematics 1217 with a grade of C- or higher.

Note: Credit for both Mathematics 1219 and 2253 will not be allowed.

MATH 1224 – Introduction to Statistics**(3 credits) 4 hours lecture, 1 hour lab**

This course involves descriptive statistics and some basic theory of probability including Bayes' Rule, expectation, probability distribution (binomial, Poisson, normal) and sampling distributions. Confidence interval and hypothesis testing are introduced.

Prerequisite: Mathematics 1200 with a grade of C- or higher or Mathematics 30-1/ Mathematics 0130 with a grade of 65% or higher and Mathematics 31/Mathematics 0131 with a grade of 50% or higher.

Note: Only one of the Mathematics 1211, Mathematics 1224, Mathematics 2233 and Mathematics 2333 can be used for graduation purpose.

**MATH 1271 – Discrete Mathematics****(3 credits) 3 hours lecture, 1 hour tutorial**

This course is an introduction to symbolic logic, techniques of proof, sets, equivalence relations. There is also an exploration of mathematical induction, recursion, counting principles, graphs, and trees.

Prerequisite: Mathematics 1203 with a grade of C- or higher.

**MATH 1301 – Linear and Differential Methods****(3 credits) 3 hours lecture, 1 hour tutorial**

This course provides an overview of linear algebra and calculus topics needed for introductory mathematical modeling in economics and related areas. Topics include polynomial, rational, algebraic, and exponential and logarithmic functions, differentiation, partial differentiation, optimization, integration techniques, elementary differential equations, Taylor polynomial and matrix operations and the Gauss-Jordan elimination method. Applications to economics and business are emphasized throughout.

MATH 1505 – Puzzling Adventures in Mathematics**(3 credits) 3 hours lecture, 1 hour tutorial**

This course is a problem-solving approach to discrete mathematics covering secret codes, public-key codes, error-correcting codes, applications of graph theory, and parallel algorithms. The material in the course is introduced and examined through the use of mathematical puzzles.

MATH 2101 – Abstract Algebra**(3 credits) 3 hours lecture, 1 hour tutorial**

This course is an introduction to abstract algebra with applications in cryptography. Topics studied include groups and rings, polynomial arithmetic and the division algorithm, and congruencies.

Prerequisite: Mathematics 1203 with a grade of C- or higher.

MATH 2150 – Higher Arithmetic**(3 credits) 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 30-1 or Mathematics 1150 or the permission of the department.

MATH 2200 – Calculus for Scientists II**(3 credits) 3 hours lecture, 1 hour tutorial**

In this course, students will learn advanced methods of integration, partial differentiation, and introductory theory of first and second-order linear differential equations and multivariable calculus. A variety of applications will be considered. Convergence of sequences and series will also be covered.

Prerequisite: Mathematics 1200 with a grade of C- or higher.

Note: Only one of Mathematics 1202 and 2200 can be used for graduation purposes.

MATH 2233 – Statistics for Biological Sciences**(3 credits) 3 hours lecture, 2 hour tutorial**

This course involves descriptive statistics, some probability theory and a systematic treatment of inferential statistics. Topics include inferences of population means and proportions, regression and correlation, chi-square test, analysis of variance and non-parametric statistics. Applications of these statistical methods to problems in biological and health sciences are studied.

Prerequisite: Mathematics 1200 with a grade of C- or higher.

Note: Only one of Mathematics 1211, 1224, 2233 and 2333 can be used for graduation purpose.

MATH 2234 – Concepts of Mathematical Statistics**(3 credits) 4 hours lecture, 1 hour lab**

This course involves descriptive statistics and introduction to probability theory. A systematic treatment of inferential statistics is undertaken in this course. Topics include the inferences of one population and two population means and proportions, linear regression and correlation, chi-square test and analysis of variance. Statistical computer software is used in the labs to apply the concepts to real data sets.

Prerequisite: Mathematics 1200 with a grade of C- or higher.

Note: Only one of Mathematics 1211, 1224, 2233, 2234, 2235, and 2333 can be used for graduation purposes.

MATH 2235 – Statistics with Applications in Geology**(3 credits) 3 hours lecture, 1 hour tutorial, 1 hour lab**

This course involves probability theory, discrete and continuous random variables and probability distributions. A systematic treatment of inferential statistics is undertaken. The topics include estimation and hypotheses testing, analysis of variance, linear regression and correlation. Applications of these statistical methods to problems in geological science are studied. Statistical computer software is used in this course.

Prerequisite: Mathematics 1200 with a grade of C- or higher.

MATH 2251 – Calculus I**(3 credits) 4 hours lecture**

This course is designed for students with some previous exposure to calculus. Topics including functions and graphs, transcendental functions, limits, derivatives, integrals and the fundamental theorem of calculus with emphasis on why the theorems and formulae are true and how they can be applied. By studying calculus, students will improve their critical thinking and problem solving skills and gain insight into the discipline of mathematics.

Prerequisite: Mathematics 30-1, Mathematics 0130 or equivalent with a grade of 65% or higher; or Mathematics 1283 or 1285 with a grade of B- or higher; and Mathematics 31 or Mathematics 0131 with a grade of 50% or higher.

Note: Credit for more than one of Mathematics 1200, 1217, and 2251 will not be allowed.

MATH 2301 – Calculus III**(3 credits) 3 hours lecture, 1 hour tutorial**

This course is a continuation of the calculus stream. Convergence of sequences and series are studied, along with Taylor polynomials, curves and surfaces in three dimensions, multivariate functions and differentiation and Lagrange multipliers. Applications include three dimensional mechanics.

Prerequisites: Mathematics 1202 and 1203 a grade of C- or higher.

MATH 2302 – Calculus IV**(3 credits) 3 hours lecture, 1 hour tutorial**

Functions of several variables are thoroughly studied in this course. The focus is on multivariate integration and differentiation, through the study of the theorems of Green, Gauss, and Stokes. Approximation, optimization techniques, and applications to fluid dynamics are also examined.

Prerequisite: Mathematics 2301 with a grade of C- or higher.

MATH 2307 – Differential Equations I (formerly MATH 3307)**(3 credits) 3 hours lecture, 1.5 hours tutorial**

This course gives a classification of ordinary differential equations. The topics covered include first order differential equations with applications, second order differential equations with applications, and series solutions about regular and singular points. Special functions, Laplace transforms and linear systems of differential equations are also studied.

Prerequisite: Mathematics 1202 and 1203 or Mathematics 1219 with a grade of C- or higher.

MATH 2311 – Linear Algebra II**(3 credits) 3 hours lecture, 1 hour tutorial**

This course is an introduction to abstract vector spaces and subspaces. Projections and best approximations are studied with the help of the Gram-Schmidt algorithm. Other topics that are studied are population dynamics, Fourier analysis, and eigenvalues and eigenvectors.

Prerequisite: Mathematics 1203 with a grade of C- or higher.

MATH 2319 – Mathematical Probability and Statistics (formerly ENGR 3319)**(3 credits) 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.

Prerequisites: Mathematics 1219 or 2207 or 2302 with a C- or higher.

MATH 2321 – Mathematical Probability**(3 credits) 3 hours lecture, 1 hour tutorial**

This course involves probability theory, discrete and continuous random variables. Topics also include mathematical expectation, variance, moments, moment generating functions and the central limit theorem. There is a discussion of inferential statistics: estimation, confidence interval, and hypothesis testing procedure.

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

**MATH 2323 – Introduction to Mathematical Statistics****(3 credits) 3 hours lecture, 1 hour tutorial**

Central limit theorem. Sampling distributions. F and t distributions. Estimation. Hypothesis tests (proportions, means, variance, chi-square). Method of moments. Maximum likelihood estimators. Concept of minimum variance unbiased estimators. Neyman-Pearson lemma. Likelihood ratio tests. Elementary regression and correlation.

Prerequisite: Mathematics 2321 with a grade of C- or higher.

Corequisite: Mathematics 2302.

MATH 2333 – Statistics for Life Sciences**(3 credits) 3 hours lecture, 1 hour tutorial**

This course involves exploratory data analysis, a brief introduction to probability theory and inferential statistics. Topics include inferences on population means and proportions, chi-square test, regression and correlation. Applications of these statistical methods to problems in medical and health sciences are studied.

Prerequisite: Mathematics 30-1 or Mathematics 30-2, or department approval.

Note: Only one of the Mathematics 1211, 1224, 2233 and 2333 can be used for graduation purpose.

MATH 2444 – Statistical Data Analysis (formerly MATH 1225)**(3 credits) 3 hours lecture, 1 hour tutorial, 1 hour lab**

This course involves inferences concerning means, proportion and variance. Analysis of variance (one and two ways), regression and correlation analysis are also discussed as well as nonparametric statistics. Application of these statistics to problems in business, biology and social sciences is studied.

Prerequisite: Mathematics 1211 or 1224 or 2233 or 2235 or 2333 or Environmental Science 1105 with a grade of C- or higher.

MATH 3101 – Numerical Analysis**(3 credits) 3 hours lecture, 2 hours tutorial**

In this course, the theory and practice of numerical computational procedures to solve practical problems will be studied. Methods for solutions of nonlinear equations, solutions of simultaneous linear equations, curve fitting, solution of the eigenvalue problem, interpolation and approximation, numerical differentiation and integration, solution of ordinary and partial differential equations are included. The laboratory includes the application to elementary problems and the computer solution of comprehensive problems.

Prerequisite: Mathematics 2307 or Mathematics 3200 with a minimum grade of C-, or equivalent or consent of the department.

MATH 3200 – Mathematical Methods (formerly MATH 2207)**(3 credits) 3 hours lecture, 1 hour tutorial**

This course provides an introduction to vector calculus, ordinary differential equations, and partial differential equations including a variety of applications. Topics include optimization, line and surface integrals, Green's theorem, Stokes' theorem, the Divergence theorem and the theory of systems of linear differential equations. Students are expected to do a project using a computer algebra system.

Prerequisites: Mathematics 1202 or 2200 and Mathematics 1203, each with a minimum grade of C-.

MATH 3201 – Visual Art and Mathematics: an integrated understanding**(3 credit) 3 hours lecture**

This course examines the fundamental knowledge, understanding, skills and processes necessary for the integration of visual arts and mathematics at the elementary school level. The course will address relevant instructional methodologies, curriculum integration and resource development for both visual arts and mathematics.

Prerequisite: Education 1209 or Mathematics 1102 or permission of department.



MATH 3202 – Mathematics Through the Ages

(3 credits) 3 hours lecture

This course will explore the historical development of mathematics through a variety of time periods and civilizations. Material will include ancient numeration systems, topics from Geometry, Number Theory, Algebra, Calculus and Graph Theory. Emphasis will be on developments that shaped the mathematics taught in K-12 system. Students are expected to do a major project.

Prerequisite: Consent of the department.

MATH 3303 – Topics in Applied Mathematics and Data Analysis

(3 credits) 3 hours lecture, 2 hours lab

Techniques of applied mathematics are a great asset and an important quantitative tool for scientists. The course gives an introduction to Discrete Fourier transform, Fast Fourier Transform, filter design and wavelet analysis. Statistical data analysis and stochastic processes are also discussed. These topics will be addressed through their applications to the natural sciences.

Prerequisites: Mathematics 1202 and Mathematics 1203 with a minimum grade of C-.

MATH 3325 – Theory of Interest

(3 credits) 3 hours lecture, 1 hour tutorial

This course involves probability theory, discrete and continuous random variables. Topics also include mathematical expectation, variance, moments, moment generating functions and the central limit theorem. There is a discussion of inferential statistics: estimation, confidence interval, and hypothesis testing procedure.

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

Note: Credit will be given for only one of Engineering 1319, Management 1262/1263, Mathematics 1211, 1224, 1225, 3333; the University of Calgary Anthropology 307, Educational Psychology 511/513, Engineering 319, Political Science 399, Psychology 312, Sociology 311, 312, Statistics 201/211, 213/217, 333, 343/347, 357.

MATH 4101 – Abstract Algebra II

(3 credits) 3 hours lecture, 1 hour tutorial

This course is a continuation of the study of abstract algebra. Topics from the theory of groups, rings, and fields are covered. Specific topics include the fundamental theorem of finite abelian groups, polynomial rings, ideals and factor rings, finite fields, and extension fields.

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

MATH 4102 – Analysis I

(3 credits) 3 hours lecture, 1 hour tutorial

This course can be viewed both as a continuation of the calculus stream, and as a first course in real analysis. Topics will include the topology of Euclidean space, continuity and differentiability of vector-valued functions, the implicit function theorem, and Fourier series with applications to partial differential equations.

Prerequisite: Mathematics 2302 or Mathematics 3200 with a grade of C- or higher.

MATH 4103 – Complex Analysis

(3 credits) 3 hours lecture, 1 hour lab

This course involves functions of a complex variable, complex series, Cauchy's theorem and contour integration. Residue Theorem and its applications will be studied. An introduction to Fourier integrals and the Heisenberg inequality are also covered.

Prerequisite: Mathematics 2302 or Mathematics 3200 with grades of C- or higher.

MATH 4104 – Introduction to Partial Differential Equations

(3 credits) 3 hours lecture, 1 hour lab

This course involves solving partial differential equations on both unbounded and bounded regions. The physical origins of partial differential equations are explored. Applications of partial differential equations will be studied.

Prerequisite: Mathematics 2302 and Mathematics 2307 or 3200 with grade of C- or better.

MATH 4201 – Seminar

(3 credits) 3 hours seminar

Students present seminars and discuss topics in mathematics taken from current journals or books. Instruction and practice in written and oral communication is provided. The topics vary from student to student.

Prerequisite: Consent of the department.

MATH 4199, 4299 – Directed Readings

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

MIDWIFERY (MDWF)**MDWF 1001 – Survey of Midwifery – Past and present**

(3 credits) 3 hours lecture

This course provides an overview of the history of midwifery in Canada and elsewhere, an introduction to the philosophy and ethics of midwifery care and a preliminary discussion of current issues in midwifery roles and responsibilities. Students will also have an opportunity to observe midwives during professional activities.

MDWF 1003 – Lab Sciences for Midwifery

(3 credits) 3 hours lecture, 2 hours lab

This is a combined lecture and lab course that covers basic content from biochemistry and microbiology relevant to midwifery practice. Practical applications will be covered including specimen collection, normal and abnormal lab values and their relationship to normal physiology.

MDWF 1005 – Health Assessment for Midwives

(3 credits) 2 hours lecture, 2 hours lab

Students will acquire beginning level knowledge and experience with health assessment skills as they pertain to midwifery practice. Simulation models and other resources will be used to teach and assess skill acquisition.

Prerequisite: Midwifery 1001.

MDWF 2001 – Developing Midwifery Skills

(3 credits) 2 hours lecture, 3 hours lab

Students will acquire beginning level experience with a range of midwifery clinical skills. Simulation models and other resources will be used to teach and assess skill acquisition.

Prerequisites: Biology 1221, Midwifery 1001, 1003 and 1005.

MDWF 2003 – Reproductive Physiology

(3 credits) 3 hours lecture

This course covers the mechanisms that regulate reproduction including gametogenesis, implantation, placentation and maternal physiology (including labour and delivery). An introduction to embryonic and fetal development is also provided.

Prerequisites: Biology 1221.

MDWF 2005 – Pharmacotherapeutics

(3 credits) 3 hours lecture

This course covers the basic concepts of pharmacology and therapeutics with particular reference to midwifery prescribing authority. Concepts of pharmacokinetics, toxicology and adverse reactions are covered especially as they pertain to pregnancy, lactation and infants. Alternative therapies will be addressed.

Prerequisites: Biology 1221, Midwifery 1001, 1003 and 1005.

MDWF 2100 – Midwifery Care: Normal Childbearing and Healthy Infants – Clinical

(9 credits) minimum 600 hours clinical experience

This course is the first of a series of placements under the immediate supervision of a registered midwife (RM). The student undertakes with guidance of a RM the assessment, care planning and administering of care to women and their newborn infants, including conducting normal births. The student will have assigned clinical hours and on-call responsibilities.

Prerequisite: Midwifery 2001, 2003 and 2005.

Corequisite: Midwifery 2101.

MDWF 2101 – Midwifery Care: Normal Childbearing and Healthy Infants – Tutorial

(3 credits) 3 hours tutorial/week

Students will acquire beginning level knowledge of skills for midwifery practice. Knowledge from lectures will be applied in a simulated clinical lab setting where students will begin to develop midwifery skills. Simulation models and other resources will be used to teach, develop and assess skill acquisition. Following completion of MDWF 2001 students will be able to integrate theoretical and clinical content to provide introductory care to low risk women and newborns during pregnancy, childbirth and the postpartum period.

Prerequisites: Midwifery 2001, 2003 and 2005.

Corequisite: Midwifery 2100.

MDWF 2150 – Trans-cultural Clinical Placement

(3 credits) 30 hours of lecture, 130 hours clinical experience

This course combines lecture and clinical experience to enhance student understanding of the pre-conception to the postpartum period within diverse community cultures. In addition to the 4-week (32 hours weekly) clinical placement, students will engage in 30 hours of theory to prepare them for their involvement with a particular population in the experiential component of this course. Clinical experience will occur in one of, or a combination of, the following settings/populations: international, geographically remote areas, under-served communities, or other approved placements relevant to midwifery practice.

Prerequisites: Midwifery 2100 and 2101.

MDWF 3001 – Pathophysiology for Midwifery

(3 credits) Online

This course provides an opportunity to critically examine select pathologies at the cellular, organ and systems level. The development, manifestations and effects of these pathologies on human physiological functioning are explored.

Prerequisite: Midwifery 2003 and 2005.

MDWF 3100 – Interprofessional Health Placements – Clinical

(3 credits) 240 hours clinical experience

This course includes placements in a labour-delivery hospital unit, a newborn intermediate or intensive care nursery, and high risk obstetrics. Students will work in collaboration with nursing and medical practitioners under faculty supervision.

Prerequisite: Midwifery 3001, 3150 and 3151.

Corequisite: Midwifery 3101.

MDWF 3101 – Interprofessional Health Placements – Tutorial

(3 credits) 3 hours tutorial

This weekly three hour tutorial will include assessment and skill development related to hospital based midwifery and nursing roles and high risk obstetrical consultation. This tutorial will focus on analysis of complex health systems issues and the respective roles and responsibilities of professionals in various models of health services provision.

Prerequisite: Midwifery 3001, 3150 and 3151.

Corequisite: Midwifery 3100.

MDWF 3150 – Midwifery Care: Complications and Consultation – Clinical

(9 credits) minimum 700 hours clinical experience

This course is a placement under the supervision of a registered midwife in which the student assumes greater responsibility for care of a caseload of healthy women, carries out a greater range of technical skills without assistance, identifies more common complications and initiates planning and care of those conditions, including carrying out consultation and referrals with attention to forming interprofessional relationships. An initial workshop component will provide certification in emergency obstetrical skills. The student will have assigned clinical hours and on-call responsibilities.

Prerequisite: All of Midwifery 2100, 2101, Interdisciplinary Studies 1240, Health Studies 2250, Women's and Gender Studies 2221 and Health and Physical Education 2507.

Corequisite: Midwifery 3151

MDWF 3151 – Midwifery Care: Complications and Consultation – Tutorial

(3 credits) 3 hours tutorial

This three-hour weekly tutorial will be based on case situations that include more common complications of the childbearing period.

Prerequisite: All of Midwifery 2100, 2101, Interdisciplinary Studies 1240, Health Studies 2250, Women's and Gender Studies 2221 and Health and Physical Education 2507.

Corequisite: Midwifery 3150.

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

(9 credits) minimum 700 hours clinical experience

This course is a placement under the supervision of a registered midwife. The student continues to provide care to an identified caseload of clients including those who experience complications. Identified activities may be carried out with indirect supervision. The student will participate in complex and urgent care situations as possible. Students will have assigned clinical hours and on-call responsibilities.

Prerequisite: Midwifery 3150 and 3151.

Corequisite: Midwifery 3176.

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

(3 credits) 3 hours tutorial/week

These tutorials will be based on case situations of less common but serious pathologies for mother and infant.

Prerequisite: Midwifery 3150 and 3151.

Corequisite: Midwifery 3175.

MDWF 4100 – Midwifery Clerkship I – Clinical

(9 credits) minimum 780 hours clinical experience

This course is a placement in which the supervision of a registered midwife is increasingly indirect as the student consolidates knowledge and skills. The student assumes nearly complete responsibility for all aspects of care for a caseload of clients. Students will have assigned clinical hours and on-call responsibilities.

Prerequisite: Midwifery 3175.

Corequisite: Midwifery 4101.

MDWF 4101 – Midwifery Clerkship I – Tutorial

(3 credits) 3 hours tutorial

This course has two distinct foci: Half of the course is a tutorial focusing on counselling in midwifery, enactment of peer review processes, family planning, unintended pregnancy, LGBTQ family configurations, domestic abuse and the closure of the client-midwife relationship; the other half of the course is related to work on the senior (capstone) project. This project could be a mini-research project related to a topic of interest to the student. This will involve the development of a research question or topic of investigation. Students will be expected to do an extensive literature review, develop a proposal and, if required, submit the proposal to an ethics board for review.

Prerequisite: Health 2250 and Midwifery 3175.

Corequisite: Midwifery 4100.

MDWF 4150 – Midwifery Clerkship II – Clinical

(6 credits) minimum 440 hours

This is a continuation of MDWF 4100 in which the student continues to care for an identified caseload. At its completion the student will meet all the midwifery competencies for entry to practice. Students will have assigned clinical hours and on-call responsibilities.

Prerequisite: Midwifery 4100.

Corequisite: Midwifery 4151.

MDWF 4151 – Midwifery Clerkship II – Tutorial

(3 credits) 3 hours tutorial

This course is a corequisite to MDWF 4150. Weekly tutorials will be peer reviews of case presentations under faculty direction along with completion of the capstone/research project.

Prerequisite: Midwifery 4100.

Corequisite: Midwifery 4150.

MDWF 4175 – Professional Practice Management

(3 credits) 3 hours lecture

This course prepares students for the organizational aspects of professional practice. Professional insurance, establishing a new practice, administering a practice, business systems, and similar topics will be covered in workshop sessions using guest faculty with relevant expertise.

Prerequisite: Midwifery 3150 and 3151.

MEDITERRANEAN CULTURES (MECU)**MECU 1101 – Topics in Romance Mediterranean Cultures (formerly ROST 1101)**

(3 credits) 3 hours lecture

This interdisciplinary course will provide an introduction to social life, art and architecture, and the economic and political systems of three distinct of the four following cultures of the Mediterranean, including but not limited to: Arabic, French, Italian and, Spanish and Turkish. Classroom activity will be augmented by cultural activities.

**MECU 4401 – Mediterranean Cultural Discovery (formerly ROST 4401)**

(3 credits) 3 hours lecture

This interdisciplinary course provides students with an opportunity to experience the culture of different Mediterranean regions including France, Spain, Italy, and other European, North African or Middle Eastern regions. Topics may include the social life, art, architecture, economic and political systems of these cultures.

Prerequisites: Mediterranean Cultures 1101, or Humanities 1109 or Humanities 1111, and consent of the department.

NOTE: Interested students will be interviewed to determine their academic competence to take this senior level course. Students will also be responsible for paying all costs, including travel, associated with the field trip.

**MANAGEMENT (MGMT)****MGMT 2130 – Management Principles and Practices**

(3 credits) 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) 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) 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, simple linear regression, 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) 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. 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) 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 1403 or 1404.

**MGMT 3230 – Business Law**

(3 credits) 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) 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 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) 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 Management 2131 or Entrepreneurship 2301 or Social Innovation 2201.

**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, Marketing 2150, and one of Management 2130 or Entrepreneurship 2301 or Social Innovation 2201.

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.

Recommended Preparation: At least two courses from the Bissett School of Business that are 3000 level or higher.

**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) 3 hours lecture

Ethical governance in organizations can be described as the unnatural state. This course explores governance decision making in organizations. Emphasis will be placed on assessing the competing interests between social and personal values.

Recommended Preparation: At least two courses at the 3000 level or higher.

**MGMT 4431 – Leadership Development**

(3 credits) 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: Management 3276 or Psychology 2245.

**MGMT 5110 – Research Methods for Business**

(3 credits) 3 hours lecture

This course is an introduction to research methods for business. Students will gain an introduction to the philosophy of science, the research process (including theory development), and methods of primary and secondary data collection. Students will learn how to apply research methods to address a broad array of basic and applied research questions in the administrative sciences.

Prerequisite: Management 2262.

Note: Completion of at least 20 courses and acceptance into the Honours BBA program.

MGMT 5120 – Honours Research Project

(3 credits)

The BBA Honours requires students to complete a Honours Research Project in the form of either a thesis or applied research project with the support of a faculty supervisor. This project is an opportunity for students to integrate theory and practice and further their expertise in their field.

Prerequisite: Management 5110.

Pre or Corequisite: Management 2263 or an alternative course by the consent of the department.

Note: Restricted to students officially admitted and registered in the Honours BBA Program.

MGMT 5333 – Strategic Management

(3 credits) 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, Marketing 2150, Human Resources 2170, Accounting 3224, and Finance 3227.

Pre or Corequisite: Logistics & Supply Chain Management 3403.

MGMT 2299, 3399 – Directed Readings

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

MICROBIOLOGY (MIBI)**MIBI 1217 – Environmental Microbiology**

(3 credits) 2 hours lecture, 3 hours lab

This course provides an introduction to microbial structure and function, the role of microbes in the environment, and the use of microbes in bioremediation and the production of biofuels. The laboratory component of the course provides the student with hands-on training in microbiological techniques.

MARKETING (MKTG)

MKTG 2150 – Introduction to Marketing

(3 credits) 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) 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 3150 – The Science of Persuasion

(3 credits) 3 hours lecture

Marketing ultimately hinges on the ability to comprehend human motivation in order to understand the attitudes and behaviours of people and organizations. In this course, students investigate the theory and practice of persuasion, learning to use these concepts to develop persuasive and compelling stories in visual, verbal and written formats.

Prerequisite: Marketing 2150.



MKTG 3258 – Evidence-Based Marketing

(3 credits) 3 hours lecture

This course explores the goals of evidence-based marketing and essential methodologies used to gain insight. Students will have the opportunity to learn how to support effective marketing decisions through focused market research and analysis. A key outcome of this course is the initial development of a student's co-curricular professional portfolio and associated professional development plan.

Prerequisite: Marketing 2150.

MKTG 3450 – Marketing Design Literacy

(3 credits) 3 hours lecture

Design literacy introduces the creative tools and processes essential to marketing. This course examines the fundamentals of design for brands and campaigns across media platforms. Students will have the opportunity of discovering methods to develop beautiful, well-informed creative solutions that meet an organization's needs and resonate with its audiences.

Prerequisite: Marketing 3150.

MKTG 3458 – Managing Marketing Relationships

(3 credits) 3 hours lecture

Business success depends on relationships with diverse groups of people, including customers, employees, shareholders, suppliers, distribution partners, communities and regulators. In this course students will have the opportunity to learn to identify, evaluate and prioritize these relationships. This will include areas of study such as social exchange theory, market segmentation and network analysis.

Prerequisite: Marketing 3258.

MKTG 3550 – Creating Brand Intelligence

(3 credits) 3 hours lecture

Meaningful marketing campaigns are developed through a transdisciplinary, rigorous, and creatively-driven process. In this course, students are immersed in public critique and deconstruction of the creative and emotional potential of existing marketing assets. Students will be asked to reframe, redesign, rewrite and develop new elements for extraordinary advertising and promotional campaigns.

Prerequisite: Marketing 3150.

MKTG 3558 – Navigating Marketing Trends

(3 credits) 3 hours lecture

The marketer's ability to understand complex issues today and anticipate a change in the future drives competitive advantage. In this course, students will have the opportunity to understand how to determine the relevant contextual variables that impact strategies, such as the size and culture of the business, the nature of the industry, the competitive dynamics, and the relevant political, legal, social and technological trends. A key outcome of this course is the interim evaluation and refinement of a student's co-curricular professional portfolio and associated professional development plan.

Prerequisite: Marketing 3258.

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 4850 – Professional Brand Studio

(3 credits) 3 hours lecture

In this design-driven capstone course, students will be asked to create effective, meaningful and aesthetically-inspired projects in a marketing agency atmosphere. Marketing communications objectives are framed with a community-based client. Students are expected to produce a major portfolio-quality project, including a unique statement of practice, highlighting their creative abilities and professional intent as they enter the marketing profession.

Prerequisites: Marketing 3450 and 3550.

MKTG 4858 – Marketing-Driven Strategy

(3 credits) 3 hours lecture

This senior course focuses on synthesizing the analytical marketing skills built through the degree program. In this course, students will have the opportunity to develop a comprehensive marketing strategy and translate this strategy into a concise marketing plan. A key outcome of this course is the submission and review of a student's completed marketing portfolio.

Prerequisite: Marketing 3458 and 3558.

MKTG 2299, 3399 – Directed Readings

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

NATURAL SCIENCE (NTSC)

NTSC 1112 – An Introduction to Current Environmental Issues

(3 credits) 3 hours lecture

This course involves a current, comprehensive and holistic overview of critical environmental issues for non-science majors. The environmental issues explored in this course from various points of view will serve as a valuable and solid foundation for students, who will be making decisions that shape the future of their society.



NTSC 1115 – An Introduction to Forensic Science

(3 credits) 3 hours lecture

This course offers students an opportunity to gain an understanding of a variety of forensic techniques, ranging from blood pattern analysis and identification of human remains, to gas chromatography, and DNA 'fingerprinting'. Successful students will also gain insight into how the 'CSI Effect' has altered the relationship between science and the legal system.



NTSC 2115 – Forensic Science I: Lab Analysis by Specialists

(3 credits) 3 hours lecture, 3 hours lab

This course deals with the theoretical and practical aspects of forensics crime scene analysis. Topics will include: the discovery and examination of evidence found in and around human/animal remains to determine time of death; the analysis of drugs, unknown powders, bodily fluids found at crime scenes; determination of document fraud and arson; discussions about the use of computers and databases to help solve crimes and pinpoint suspects. A discussion of the legal and ethical issues resulting from the use of forensics scientific analysis and conduct in forensic investigations will also be included.

Prerequisite: Natural Science 1115.

NTSC 2201 – Environmentally Sustainable and Healthy Societies

(3 credits) 3 hours lecture

Every human being, every institution and every organization can make a difference in the quest for a sustainable and healthy future for humankind. This course will examine current practices that result in unhealthy societies and unsustainable environmental impacts and the changes that must be made in order to establish a sustainable and healthy future planet. Our future depends on managing our planet in ways that create sustainable relationships with our ecosystems.



NTSC 3000 – Experimental Science for Elementary Education

(3 credits) 1 hour lecture, 2 hours lab

This course will provide material and demonstrations that can be used in the elementary classroom. Demonstrations will include examples from all disciplines and levels within the Alberta Education elementary science program. Students will be expected to write up lab reports and to design, test, and present their own demonstration to the class.

Prerequisites: Education 3106 or consent of the department.

NTSC 3301 – Environmental Health

(3 credits) 3 hours lecture

Many aspects of human health are affected by the environment, and many diseases can be initiated, promoted, sustained or stimulated by environmental factors. For that reason the interactions of people with their environment are an important component of public health. This course introduces students to the complexity of environmental health issues facing society today.

Prerequisite: Natural Science 2201 or Biology 1202 or Chemistry 3357 or Nursing 2279 or 3375 or consent of the department.



NTSC 3321 – Environmental and Developmental Legacy of Alberta's Oil and Gas Industry

(3 credits) 3 hours lecture

This course investigates the development of Alberta's oil and gas industry in relation to how it affects our environment and our socio-economic development. Topics covered include analyses of changes in the environmental and socioeconomic status of Alberta since the oil discovery; and how changes in petroleum technologies and petroleum policies affect our environment and our economy. These concepts will be illustrated by using case studies drawn from companies and agencies involved in the Alberta's oil and gas development.

NATIVE STUDIES (NTST)

NTST 0130 – Introduction to Native Studies

(0 credits)

This course will provide an overview of Aboriginal world views and belief systems. Students will gain an awareness of similarities and differences among First Nations in the area of social organizations, spiritual beliefs and cultural practices.

NURSING (NURS)

NURS 1111 – Theoretical Foundations of Nursing I

(3 credits) 3 hours lecture, 4 hours field study

This course introduces the curriculum framework concepts of person, nursing, health and environment and the Bachelor of Nursing program goals. Emphasis will be placed on the history and evolution of the concepts of health and nursing as a basis for understanding the profession of nursing and knowledge based practice. Students will participate in a field experience observing nurses in a variety of roles.

NURS 1112 – Health Promotion with Individuals I

(3 credits) 2 hours lecture, 2 hours lab

The focus of this course will be on the individual's holistic experience of health within the context of family and health promotion. Students will integrate theory and practice of health assessment related to determinants and patterns of health, foundational nursing care principles and intervention strategies.

Pre or Corequisites: Biology 1220.

NURS 1213 – Health Promotion with Individuals II

(3 credits) 2 hours lecture, 2 hours lab

This course is a continuation of Health Promotion for Individuals I. Additional focus will be placed on understanding the family and the individual's holistic experience of health and health promotion. Students will further integrate theory and practice of health assessment related to determinants and patterns of health, nursing care, teaching principles and intervention strategies. This 1200 level course builds on content in the previous level of the program. Students must complete courses in the lower level of the program prior to registering for this course.

Prerequisites: Nursing 1111 and 1112.

Pre or Corequisite: Biology 1221.

NURS 1214 – Professional Practice I

(3 credits) 105 hours practice experience

The primary focus is on supporting/promoting health in providing safe, focused and knowledgeable nursing care to individuals experiencing episodic illness. Students will apply their understanding of patterns of health in the context of the determinants of health, and primary health care principles using a variety of guided learning experiences.

Pre or Corequisite: Nursing 1213.

NURS 2111 – Theoretical Foundations of Nursing II

(3 credits) 3 hours lecture

This course continues exploration of the concepts of person, nursing, health and environment, with emphasis on holistic understanding of the individual's experience of illness in the context of the determinants of health, professional practice and primary health care. Students will also gain understanding of the local and national environments in which nurses practice. This 2000 level course builds on content in the previous levels of the program. Students must complete all Nursing 1100 and 1200 courses in the lower levels of the program prior to registering for this course.

Prerequisites: Nursing 1213 and 1214.

NURS 2112 – Alterations in Health: Nursing Knowledge and Therapeutics I

(4 credits) 8 hours lecture, 2 hours lab alternating weeks – first half of semester

This course helps students to understand nursing care for diverse individuals experiencing alterations in health, using health promotion approaches and resources. Students integrate the principles of pharmacology, pathophysiology and related nursing practice knowledge, critical thinking and clinical judgment.

Prerequisites: Nursing 1213 and 1214.

Corequisites: Nursing 2111 and 2113.

NURS 2113 – Alterations in Health: Nursing Knowledge and Therapeutics II

(3 credits) 6 hours lecture, 2 hours lab alternating weeks – second half of semester

This course occurs over the second half of a semester and is a continuation of Alterations in Health: Nursing Knowledge and Therapeutics I and helps students to understand nursing care for diverse individuals experiencing alterations in health, using health promotion approaches and resources. Students integrate the principles of pharmacology, pathophysiology and related nursing practice knowledge, critical thinking and clinical judgment. This 2000 level course builds on content in the previous levels of the program. Students must complete Nursing 2112 prior to registering for this course.

Corequisite: Nursing 2112.

NURS 2114 – Professional Practice II

(6 credits) 210 hours practice experience

This course focuses on promoting the health of diverse individuals within the context of family and community from a holistic, interdisciplinary and collaborative partnership approach to care, considering primary health care principles. Students will apply pharmacology, pathophysiology, nursing practice knowledge, critical thinking and clinical judgment to care of adults experiencing illness in hospital settings. Students will integrate previous and current theoretical and practical knowledge.

Pre or Corequisites: Nursing 2112 and 2113.

NURS 2215 – Health Promotion with Populations, Communities and Families

(3 credits) 3 hours lecture

This course focuses on the principles of population health, primary health care, health promotion and the determinants of health as a means of understanding populations, families, and communities and the larger social, political, cultural and economic factors that impact health. Students will interpret theoretical knowledge in order to make recommendations for nursing practice. This 2200 level course builds on content in the previous levels of the program. Students must complete all Nursing 2100 level courses prior to registering for this course.

Prerequisites: Nursing 2111 and 2114.

NURS 2216 – Professional Practice III

(4 credits) 145 hours practice experience

This course will provide opportunities for students to use a population health promotion model while working with diverse high-needs population groups across the lifespan. Students complete a population/aggregate assessment and develop a planned intervention considering the principles of primary health care and population health within a community setting. Students will integrate previous and current theoretical and practical knowledge.

Pre or Corequisite: Nursing 2215.

NURS 3102 – Adult Health

(3 credits) Variable lecture hours over 7 weeks

In this course students will use primary health care, considering population groups and influences, as a framework for promoting health, and providing holistic care for diverse adults and families experiencing complex acute and chronic illness. Students will examine effective collaborative relationships and inter-professional partnerships, advocacy, capacity building, critical thinking and clinical judgment in a variety of contexts.

Prerequisites: Nursing 2215, 2216, Health 2250, Interdisciplinary Studies 1240, Psychology 2235, Health and Physical Education 2507, and Math 2333.

NURS 3104 – Professional Practice in Adult Health

(4 credits) 144 hours clinical experience

In this course students will integrate primary health care and population health strategies promoting health and providing holistic care for a diversity of adults and families experiencing complex acute and chronic illness in a variety of hospital settings and contexts. Students will demonstrate evidence based, ethical, safe, and effective nursing care reflecting critical thinking, clinical judgment and collaboration while integrating previous and current theoretical and practical knowledge.

Pre or Corequisite: Nursing 3102.

NURS 3112 – Family Newborn Health

(3 credits) Variable lecture hours over 7 weeks

In this course students will use primary health care, considering population groups and influences, as a framework for promoting health, understanding and caring for the unique needs of child bearing individuals and families. Students will examine effective community and family centered approaches to care considering collaborative relationships and inter-professional partnerships, advocacy, capacity building, critical thinking and clinical judgment in a variety of contexts. Success in this course is supported when this course is taken concurrently with Nursing 3114.

Prerequisites: Nursing 2215, Nursing 2216, Health 2250, Interdisciplinary Studies 1240, Psychology 2235, Health and Physical Education 2507, and Mathematics 2333.

NURS 3114 – Professional Practice in Family Newborn Health

(4 credits) 144 hours clinical experience

In this course students integrate primary health care and population health strategies promoting health and providing holistic care for child bearing individuals and families in a variety of settings and contexts. Students will demonstrate evidence based, ethical, safe, and effective nursing care reflecting critical thinking, clinical judgment and collaboration while incorporating community and family centered approaches. Students will integrate previous and current theoretical and practical knowledge.

Pre or Corequisite: Nursing 3112.

NURS 3122 – Child Health

(3 credits) Variable lecture hours over 7 weeks

In this course students will use primary health care, considering population groups and influences, as a framework for promoting health, and providing holistic care for a diversity of children and families considering their unique needs. Students will examine effective community and family centered approaches to care, considering collaborative relationships and interprofessional partnerships, advocacy, capacity building, critical thinking and clinical judgment in a variety of contexts. Success in this course is supported when this course is taken concurrently with Nursing 3124.

Prerequisites: Nursing 2215, Nursing 2216, Health 2250, Interdisciplinary Studies 1240, Psychology 2235, Health and Physical Education 2507, and Mathematics 2333.

NURS 3124 – Professional Practice in Child Health**(4 credits) 144 hours clinical practice experience**

In this course students integrate primary health care and population health strategies promoting health and providing holistic care for a diversity of children and families in a variety of settings and contexts. Students will demonstrate evidence based, ethical, safe, and effective nursing care reflecting critical thinking, clinical judgment and collaboration while incorporating community and family centered approaches. Students will integrate previous and current theoretical and practical knowledge.

Pre or Corequisite: Nursing 3122.

NURS 3132 – Mental Health**(3 credits) Variable lecture hours over 7 weeks**

In this course students will use primary health care, considering population groups and influences, as a framework for promoting health, and providing holistic care for a diversity of adults and families experiencing acute and chronic mental illness. Students will examine effective collaborative relationships and inter-professional partnerships, advocacy, capacity building, critical thinking and clinical judgment in a variety of contexts. Success in this course is supported when this course is taken concurrently with Nursing 3134.

Prerequisites: Nursing 2215, Nursing 2216, Health 2250, Interdisciplinary Studies 1240, Psychology 2235, Health and Physical Education 2507, and Mathematics 2333.

NURS 3134 – Professional Practice in Mental Health**(4 credits) 144 hours clinical experience**

In this course students integrate primary health care and population health strategies promoting health and providing care for a diversity of adults and families experiencing acute and chronic mental illness in a variety of settings and contexts. Students will demonstrate evidence based, ethical, safe, and effective nursing care reflecting critical thinking, clinical judgment and collaboration while integrating previous and current theoretical and practical knowledge.

Pre or Corequisite: Nursing 3132.

NURS 3142 – Seniors' Health**(3 credits) Variable lecture hours over 7 weeks**

In this course students will use primary health care, considering population groups and influences, as a framework for promoting health, providing holistic care and understanding the unique needs of a diversity of older adults and their families. Students will examine effective community and family centered approaches to care, considering collaborative relationships and interprofessional partnerships, advocacy, capacity building, critical thinking and clinical judgment in a variety of contexts. Success in this course is supported when this course is taken concurrently with Nursing 3144.

Prerequisites: Nursing 2215, Nursing 2216, Health 2250, Interdisciplinary Studies 1240, Psychology 2235, Health and Physical Education 2507, and Mathematics 2333.

NURS 3144 – Professional Practice in Seniors' Health**(4 credits) 144 hours clinical experience**

In this course students integrate primary health care and population health strategies promoting health and providing holistic care for a diversity of older adults and families in a variety of settings and contexts. Students will demonstrate evidence based, ethical, safe, and effective nursing care reflecting critical thinking, clinical judgment and collaboration while incorporating community and family centered approaches. Students will integrate previous and current theoretical and practical knowledge.

Pre or Corequisite: Nursing 3142.

NURS 4111 – Trends and Issues in Nursing Leadership**(3 credits) 3 hours lecture and/or in a blended delivery**

In this course students will examine concepts of leadership and critically appraise the changing social, geo-political and health care environments that influence the nursing profession, nursing practice and health. Students will develop appropriate strategies to strengthen their capacity to influence and respond to current trends and issues.

Prerequisites: Nursing 3102, 3104, 3112, 3114, 3122, 3124, 3132, 3134, 3142, and 3144.

NURS 4112 – Integrated Professional Practice**(3 credits) 120 hours clinical experience (full time over 3-4 weeks)**

This course is a consolidation experience in which students use health promotion and primary health care approaches to provide holistic care to a diverse group of adults and families experiencing illness in acute hospital settings. Students will demonstrate evidence-based, ethical, family-centered nursing care, critical thinking, caring inquiry, reflection and collaborative practice, while integrating previous and current theoretical and practical knowledge. The course prepares students for the transition to increasingly independent practice in the 4th year Nursing course, Transition to Independent Practice.

Pre or Corequisite: Nursing 4111.

NURS 4420 – Team Approaches to Chronic Disease Management**(3 credits) 3 hours lecture and/or in a blended delivery format, or entirely online**

Students will explore chronic disease globally, nationally and locally, using knowledge of pharmacology, pathophysiology, determinants of health and relational nursing practice. Students will develop collaborative management plans for diverse individuals experiencing chronic illness and will appraise and justify their roles as independent practitioners within the interdisciplinary team.

Pre or Corequisite: Nursing 4111.

NURS 4422 – Family Nursing: A Contextual Practice**(3 credits) 3 hours lecture and/or in a blended delivery format, or entirely online**

This course highlights the context of family life and health throughout the lifespan. Building on previous knowledge, students will consider how systematic family theories inform interventions in lifespan development while working with strengths and challenges in family processes within the current geo-social and political context of families.

Pre or Corequisite: Nursing 4111.

NURS 4425 – A Palliative Approach for Individuals and Families**(3 credits) 3 hours lecture and/or in a blended delivery format, or entirely online**

Learners will integrate and apply their previous knowledge and experience in a new context: hospice palliative care. Learners will examine family-centred/goal-driven approaches to palliation, considering collaborative practice, inter-professional partnerships and their own clinical reasoning in palliation contexts.

Pre or Corequisite: Nursing 4111.

NURS 4426 – Diversity in Health**(3 credits) 3 hours lecture and/or in a blended delivery format, or entirely online**

This course provides a foundation for working with diverse populations locally, nationally and internationally by examining the underpinnings of diversity, inclusiveness and cultural attunement. Learners will examine how diversity can affect health and aid them in recognition of bias. They will gain an appreciation of diversity within individuals and populations.

Pre or Corequisite: Nursing 4111.

NURS 4427 – Influencing Health, Equity and Social Action**(3 credits) 3 hours lecture and/or in a blended delivery format, or entirely online**

Students will use a variety of learning strategies to create and shape change through influencing social, geo-political and policy agendas. Learners will apply sociopolitical advocacy skills and transformative leadership to address the root causes of health inequities in order to improve the health of individuals, families, communities and populations.

Pre or Corequisites: Nursing 4111.

NURS 4465 – Supportive Environments For Mental Health**(3 credits) 3 hours lecture – Internet delivery**

This fully on-line course is oriented around the question, How can approaches to mental health and health promotion shape a supportive environment? The goal will be to explore the struggles and tensions of approaches that dominate current mental health promotion. This course takes as a starting point the fact that we live in a world of tensions that are worthy of exploration and critical thought. Specific tensions in mental health promotion we will be examining in this course are the approaches of: Problem Solving and Empowerment, Integration and Inclusion, and Protection and Liberation. We will engage in complex but important questions and ask students to understand, examine and critically review the various and differing approaches to mental health at multiple levels of intervention.

Pre or Corequisite: Nursing 4111.

NURS 5114 – Transition to Independent Practice**(10 credits) 370 hours clinical experience**

This precepted experience provides opportunity for students to demonstrate a full scope of professional nursing practice. Students will care for selected persons (individual, family, community, population) in a variety of nursing practice settings, using health promotion, primary health care and population health strategies. Students will exemplify evidence based, ethical, safe and effective nursing care, and demonstrate critical thinking, caring inquiry, reflection, autonomy and collaborative practice in preparation for graduation. It is expected that the student will integrate all previous theoretical and practical knowledge. This 5000 level course builds on content in the previous levels of the program. Students must complete all Nursing courses in the lower levels of the program prior to registering for this course.

Prerequisites: Nursing 4112.

Note: Restricted to students currently enrolled in the 4th year of the Bachelor of Nursing program. Other students need approval of department Chair.

PHYSICAL EDUCATION (PHED)**PHED 1050 – Practicum I in Sport, Recreation, and Physical Activity****(3 credits) 175 hours of practicum**

This is a formal industry experience with an assigned organization in the sport, recreation, and/or physical activity industries. Participants will be required to participate in the specified hours of practicum and to complete assignments. Students will be accepted into the practicum upon completion of the course prerequisites or consent of the department chair.

Prerequisites: Marketing 2150, Physical Education 1203 or Sport and Recreation Management 1400, Health and Physical Education 1640 and Ecotourism and Outdoor Leadership 2270, Entrepreneurship 2301 or 2201.

Note: Students must also be in Good Standing to participate in a Practicum.

PHED 1171 – Introduction to Outdoor Pursuits**(3 credits) 3 hours lecture**

This course will survey the history, principles, philosophy, rationale and vocational opportunities of outdoor pursuits. Students will become familiar with fundamental camping and navigation techniques as the cornerstones of outdoor living. Participation is required in one weekend.

PHED 1201 – Foundations of Sport and Recreation**(3 credits) 3 hours lecture**

This course provides an introduction to the history and philosophy of sport/ physical activity and its relationship to culture. The focus will be the significance of the body and the human movement phenomenon. The emphasis is to provide a foundation for further research in physical activity and sport.

PHED 1203 – Organization and Administration of Sport and Recreation**(3 credits) 3 hours lecture**

This course is a study of the principles and practices of administration and management of sport and recreation. Students will learn administrative (management) process and its relationship to other organizational functions such as communication, leadership, governance, evaluation and human resource management. Various organizational designs and structures available to sport and recreation administrators will be explored. Other topics include risk management, finances of sport and recreation organizations and running efficient meetings.

PHED 1239 – Introductory Badminton**(1.5 credits) 3 hours lecture for 6.5 weeks**

This is an introductory course in badminton with the emphasis on skills, teaching and coaching strategies as well as the organization of clinics and tournaments.

PHED 1249 – Introductory Tennis**(1.5 credits) 3 hours lecture for 6.5 weeks**

This is an introductory course in tennis with the emphasis on skills, teaching and coaching strategies and the organization of clinics.

PHED 1293 – Introductory Aquatic Lifesaving**(3 credits) 3 hours lecture**

Students will learn techniques of first aid, artificial respiration and other emergency care procedures required to assist a victim of an aquatic emergency. Students will also learn and perfect life saving skills related to water rescue. The Lifesaving Society Bronze Medallion and Bronze Cross Awards will be available to students who successfully meet all evaluation criteria.

Prerequisite: Students must be comfortable in deep water and be able to swim 200 metres continuously.

Note: Students will be responsible for payment of fees to outside organizations when the issue of a certificate involves a fee.

PHED 1295 – Water Safety Instructor**(3 credits) 3 hours lecture**

This course includes a comprehensive study of the techniques of teaching swimming, water safety and life saving. Other aquatic activities such as aqua aerobics, diving, competitive swimming and snorkeling will be introduced. Students must demonstrate competent swimming, rescue and artificial respiration skills.

Prerequisite: Current Lifesaving Society Bronze Medallion or higher award or consent of the department.

Note: Students will be responsible for payment of fees to outside organizations when the issue of a certificate involves a fee.

PHED 1296 – Advanced Aquatic Life Saving**(3 credits) 4 hours lecture**

Lifeguarding techniques for pools, basic first aid techniques and various emergency situations in aquatics will be studied. Students must meet the requirements for the Lifesaving Society National Lifeguard Service and Aquatic Emergency Care Award, Standard First Aid and Basic Cardiopulmonary Resuscitation Awards.

Prerequisite: Current Lifesaving Society Bronze Cross Award.

Note: Students will be responsible for payment of fees to outside organizations when the issue of a certificate involves a fee.

PHED 1297 – Basic SCUBA**(3 credits) 3 hours lecture**

This is a comprehensive course designed to prepare students for SCUBA diving certification. It includes diving physics and medicine as well as optional open water dives.

Prerequisite: Medical certificate, Bronze Medallion or consent of the department.

Note: Students will be responsible for payment of fees to outside organizations when the issue of a certificate involves a fee. An additional lab fee of \$50 will be charged for this course.

PHED 2102 – Basketball**(1.5 credits) 3 hours lecture for 6.5 weeks**

This is a comprehensive course in basic basketball skills, knowledge, teaching methods and team strategy.

PHED 2104 – Introductory Power Skating and Hockey Coaching**(1.5 credits) 3 hours lecture for 6.5 weeks**

This is a theoretical and practical course on power skating techniques and ice hockey skills. The student will learn how to teach skating and organize hockey sessions for skill development. Topics include: proper use of biomechanical principles in skating; proper use of edges; drills to develop skating skills and techniques to develop necessary strength and power both on and off the ice. The student will be shown the proper execution of all basic hockey skills – shooting, passing, stickhandling and checking – and will be taught proven teaching progressions for each.

PHED 2106 – Soccer**(1.5 credits) 3 hours lecture for 6.5 weeks**

This is a comprehensive course in basic soccer skills, knowledge, officiating and team strategy. Indoor and outdoor play will be covered. Lecture time will be spent on organizing tournaments, teaching methods and officiating the game of soccer.

PHED 2108 – Introductory Golf**(1.5 credits) 3 hours lecture for 6.5 weeks**

This is an introductory course in golf with the emphasis on skills, rules, safety, etiquette, the care and selection of equipment and the organization of recreational activities.

PHED 2110 – Volleyball**(1.5 credits) 3 hours lecture for 6.5 weeks**

This course develops the basic fundamental volleyball skills needed to play at an intermediate level of volleyball. Volleyball knowledge, teaching methods and court strategy will be examined in detail. Coaching aspects and rule interpretations will also be reviewed.

PHED 2201 – The Essence and Experience of Physical Activity**(3 credits) 3 hours lecture**

This course investigates the fundamental factors, which influence the physical activities we choose, and the kinaesthetic principles governing how we move. Active participation in a variety of movement experiences (novel and familiar) will be an essential component of this course. This course will establish the fundamental kinaesthetic, physical and management parameters of physical activity.

PHED 2255 – Elementary School Physical Education I**(3 credits) 3 hours lecture**

A comprehensive course involving aspects of the modern elementary school physical education program with a particular emphasis on movement experiences in games. Off campus travel is required for some field-work observation.

PHED 2257 – Elementary School Physical Education II**(3 credits) 3 hours lecture**

A comprehensive course involving aspects of the modern elementary school physical education program with particular emphasis on movement experiences in dance and gymnastics. Some off campus travel is required for practical experience.

PHED 3150 – Practicum II in Sport, Recreation, and Physical Activity**(9 credits) 450 hours of practicum**

This practicum experience provides students with a further opportunity to apply the Sport and Recreation Business and Entrepreneurship theories and skills studied during the previous semesters and to continue to build upon their experience from PHED 1050. It is expected that students will diversify their experience relative to the past experience. Students will be required to submit a practicum plan to the Sport and Recreation Business and Entrepreneurship practicum coordinator prior to embarking on the practicum placement. Goals and strategies will be reviewed by a Faculty Advisor prior to the work-term. Students will be accepted into the practicum upon completion of the course prerequisites and/or consent of the department chair.

Prerequisite: Physical Education 1050.

PHED 3350 – Field Practicum I**(3 credits) 2 hours lecture, 175 hours practicum**

This is a formal work experience with an approved agency. Participants will be involved in integration seminars, and will be required to participate in the specified hours of practicum and complete the assignments as required.

Corequisites: Physical Education 3301 and 3303.

PHED 3352 – Field Practicum II**(3 credits) 2 hours lecture, 175 hours practicum**

This is a formal work experience with an approved agency. Participants will be involved in integration seminars, and will be required to participate in the specified hours of practicum and complete the assignments as required. Typical assignments are log book recordings of activities and case study analysis of situations specific to fieldwork of a trainer or Certified Athletic Therapist in Canada. This course will allow students to continue with an agency for seasonal sports that coincide with the academic year such as hockey, basketball, volleyball or badminton. This course will also allow the student to join another agency for sports that only last one semester. An example of such a sport is indoor soccer.

Prerequisites: Athletic Therapy 3110, 4110 and Physical Education 3350.

Note: This course will be delivered in a block placement format. This course is limited to students enrolled in the Advanced Certificate in Athletic Therapy who have successfully completed or are concurrently enrolled in the core course requirements.

PHED 3354 – Clinical Practicum I**(3 credits) 2 hours lecture, 175 hours practicum**

This is a formal work experience with an approved agency. Participants will be involved in integration seminars, and will be required to participate in the specified hours of practicum and complete the assignments as required. Typical assignments are log book recordings of activities and case study analysis of situations specific to fieldwork of a Certified Athletic Therapist in Canada. This work experience is specific and under the supervision of a paramedical professional such as a Certified Athletic Therapist, physiotherapist, sports medicine physician, chiropractor or sports massage therapist. Please note that the code of ethics for each of those professionals must be investigated and adhered to.

Prerequisites: Athletic Therapy 3110, 3120, 3130 and 4110.

Corequisite: Athletic Therapy 4130.

Note: This course will be delivered in a block placement format. This course is limited to students enrolled in the Advanced Certificate in Athletic Therapy who have successfully completed or are concurrently enrolled in the core course requirements.

PHED 3356 – Advanced Clinical and Field Practicum

(6 credits) 275 hours practicum

This is a formal work experience with an approved agency. Participants will be involved in integration seminars, and will be required to participate in the specified hours of practicum and complete the assignments as required. Typical assignments are logbook recordings of activities and case study analyses of situations specific to field and clinical work of a Certified Athletic Therapist in Canada. This work experience is specific and under the supervision of a paramedical professional such as a Certified Athletic Therapist, physiotherapist, sports medicine physician, chiropractor or sports massage therapist.

Prerequisites: Physical Education 3352 and 3354.

PHILOSOPHY (PHIL)**PHIL 1101 – Philosophy: Knowledge and Existence**

(3 credits) 3 hours lecture, 1 hour tutorial

This course provides an introduction to philosophy through the discussion of selected topics such as: skepticism, perception, personal identity, free will and determinism and God.

**PHIL 1130 – Philosophy: Sex and Love**

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

This course provides an introduction to philosophy through an exploration of philosophical questions about sex and love.

**PHIL 1149 – Philosophy: Values and Ethics**

(3 credits) 3 hours lecture, 1 hour tutorial

This course provides an introduction to philosophy through a first enquiry into the nature and justification of moral standards.

**PHIL 1175 – Reason and Argument**

(3 credits) 3 hours lecture, 1 hour tutorial

This course offers an introduction to deductive and inductive techniques used in appraising arguments. The course may contain some elementary formal logic, but its main focus will be on analyzing arguments as they occur in everyday life and ordinary language.

**PHIL 1179 – Introduction to Symbolic Logic**

(3 credits) 3 hours lecture, 1 hour tutorial

This course introduces sentential and first-order logic from both deductive and semantic points of view. Some elementary metatheorems are also discussed.

**PHIL 2204 – Medieval Philosophy**

(3 credits) 3 hours lecture

The Medieval Period covers philosophical developments from the Roman Empire to the Renaissance. This course will investigate a subset of topics from this period selected from such things as moral and political philosophy, logic and metaphysics, epistemology, and philosophical theology. Included may be representative works from Latin, Arabic and Hebraic thinkers.

Recommended Preparation: Any Philosophy course.

**PHIL 2211 – The Classical Period**

(3 credits) 3 hours lecture

An introduction to philosophy through the study of a period in its history. A selection of philosophers from the Pre-Socratics, through Plato and Aristotle, to the Hellenistic and Roman philosophers will be discussed.

Recommended Preparation: Any Philosophy course.

**PHIL 2215 – The Early Modern Period**

(3 credits) 3 hours lecture

This course is an introduction to philosophy through the study of a period in its history. A selection of philosophers from Descartes through Kant will be discussed.

Recommended Preparation: Any Philosophy course.

**PHIL 2216 – Nineteenth Century Philosophy**

(3 credits) 3 hours lecture

This course serves as an introduction to nineteenth-century philosophy, including figures like Schiller, Fichte, Hegel, Darwin, Kierkegaard, Marx, Peirce, Nietzsche, Freud, and Bergson. Students will explore debates about the nature of life, history, rationality, freedom, and religion, becoming familiar with a range of philosophical approaches.

Recommended Preparation: Any Philosophy course.

**PHIL 2219 – Philosophy of Law**

(3 credits) 3 hours lecture

An investigation of philosophical accounts of the nature of law and legal systems. Acquaints the students with central positions in jurisprudence, such as the nature of law, the relationship of law to morality, punishment, rights, and justice.

Recommended Preparation: Any Philosophy course.

**PHIL 2221 – Metaphysics**

(3 credits) 3 hours lecture

An examination of such topics as categories, existence, persons, space, time, and necessity.

Recommended Preparation: Any Philosophy course.

**PHIL 2223 – Bio Ethics**

(3 credits) 3 hours lecture

A critical and analytical examination of ethical and legal problems arising in and about health care. Issues to be considered may include: euthanasia, abortion, the conditions for the withdrawal of treatment, the physician-patient relationship, research on human subjects, and genetic engineering. The practical applications of ethical and legal theory are emphasized.

Recommended Preparation: Any Philosophy course.

**PHIL 2229 – Business Ethics**

(3 credits) 3 hours lecture

A critical and analytical examination of some central moral problems that arise in and for business. Emphasis throughout the course will be placed not only on the details of the particular problems studied but also on the conceptual and other tools needed to understand and resolve or solve such problems. Topics to be discussed will include: the moral responsibilities and rights of corporations and their officers, codes of business ethics, and conflicts of responsibilities and rights.

Recommended Preparation: Any Philosophy course.

**PHIL 2237 – Feminist Philosophy**

(3 credits) 3 hours lecture

Issues in feminist philosophy and methodology. Topics may include feminist theories of knowledge and science, ethics, metaphysics, political theory and feminist methodology.

Recommended Preparation: Any Philosophy course.

**PHIL 2241 – Existentialism**

(3 credits) 3 hours lecture

Existentialist thought is a historical movement in philosophy. It is also a methodology of philosophy that explores and demonstrates the significance of human existence itself. This course serves as an introduction to existentialist methods, debates, and concepts, as well as to significant existentialist thinkers.

Recommended Preparation: Any Philosophy course.

**PHIL 2253 – Social and Political Philosophy**

(3 credits) 3 hours lecture

In this course some of the fundamental issues in social and political thought are studied. Issues to be studied may include rights, justice, authority, equality, freedom, democracy, property, liberalism, the family and communitarianism.

Recommended Preparation: Any Philosophy course.



PHIL 2263 – Theory of Knowledge

(3 credits) 3 hours lecture

A study of some of the central problems in epistemology, including the following: knowledge and belief, empirical (perceptual and inductive) knowledge, a priori knowledge, appearance and reality, truth, and skepticism.

Recommended Preparation: Any Philosophy course.

**PHIL 2267 – Philosophy of Science**

(3 credits) 3 hours lecture

For students in any discipline who would like to understand some of the fundamental principles of scientific enquiry and the place of scientific discoveries in human knowledge. Topics will include: scientific explanation, theory, prediction, confirmation, and, when feasible, other material relating to the interests of the students in the course.

Recommended Preparation: Any Philosophy course.

**PHIL 2281 – Philosophy of Mind**

(3 credits) 3 hours lecture

A study of topics such as: thought, emotions, action and the will, mind-body identity, personal identity, and theories about the nature of mind.

Recommended Preparation: Any Philosophy course.

**PHIL 2282 – Philosophy and Pop Culture**

(3 credits) 3 hours lecture

This course brings philosophical reflection together with pop culture. It explores philosophical issues within pop culture (such as film, television, graphic novels, pop music, videos, games, social networks or advertising), as well as insights in philosophy about the nature of pop culture itself.

**PHIL 2291 – Philosophy and the Environment**

(3 credits) 3 hours lecture

Traditional and contemporary philosophical theories and methods will be brought to bear on issues raised by the relationship between human beings and their environment. Moral and other philosophical aspects of some major issues, such as pollution, population growth, and use of natural resources, will be considered.

Recommended Preparation: Any Philosophy course.

**PHIL 3307 – Language, Truth, and Adventures in Abstraction**

(3 credits) 3 hours lecture

This course explores topics in Anglo-American Philosophy, a blanket term covering questions and approaches which emerged as predominate in many English-speaking universities in the UK and North America in the 20th Century. Its hallmark is the thesis that philosophical reflection on language provides a methodological framework for addressing traditional philosophical problems. Its main branches include analytic philosophy, post-analytic philosophy, and philosophical pragmatism. The specific topics will vary from term to term, and may include such things as 'ordinary language' philosophy, logical positivism, theory of action and belief, the language of science and mathematics, logical analysis, and the relationship of truth and meaning.

Prerequisite: Any previous course in Philosophy 1101, 1130, 1149, 1175, 1179, 2204, 2211, 2215, 2216, 2219, 2221, 2223, 2229, 2237, 2241, 2253, 2263, 2267, 2281, 2282, 2291, 3307, 3345, 3350, 3368, or 4730.

**PHIL 3333 – Art, Beauty, Expression**

(3 credits) 3 hours lecture

This course explores topics in aesthetics or the philosophy of art. Topics will vary from term to term, but may include such things as the criteria of aesthetic evaluation, artistic representation vs. expression, meaning and meaningfulness, whether beauty is objective or subjective, art as a social phenomenon, and competing answers to the question "What is art?"

Prerequisite: Any previous course in Philosophy 1101, 1130, 1149, 1175, 1179, 2204, 2211, 2215, 2216, 2219, 2221, 2223, 2229, 2237, 2241, 2253, 2263, 2267, 2281, 2282, 2291, 3307, 3345, 3350, 3368, or 4730

**PHIL 3345 – Is, Ought, Why**

(3 credits) 3 hours lecture

This course explores topics in moral theory. In any given term, the course may focus on general theories or concepts, for example contemporary metaethics, utilitarianism, or theories of rights. Sometimes it may focus on a particular set of problems, such as moral personhood, freewill, or moral responsibility.

Prerequisite: Any previous course in Philosophy 1101, 1130, 1149, 1175, 1179, 2204, 2211, 2215, 2216, 2219, 2221, 2223, 2229, 2237, 2241, 2253, 2263, 2267, 2281, 2282, 2291, 3307, 3333, 3350, 3368, or 4730.

**PHIL 3350 – Power, Violence, Evil**

(3 credits) 3 hours lecture

This course explores topics in continental philosophy. Topics will vary from term to term, but may include themes such as desire and embodiment, anxiety and despair, freedom and choice, transcendence and immanence, social oppression and resistance, cultural and religious difference.

Prerequisite: Any previous course in Philosophy 1101, 1130, 1149, 1175, 1179, 2204, 2211, 2215, 2216, 2219, 2221, 2223, 2229, 2237, 2241, 2253, 2263, 2267, 2281, 2282, 2291, 3307, 3333, 3345, 3368, or 4730.

**PHIL 3368 – Philosophy of History**

(3 credits) 3 hours lecture

This course examines topics such as the relationship between fact and value in understanding history, the relevance of history to our understanding of human nature, the meaning of world history as a whole, theories of historical explanation and competing answers to the question "What is history?"

Prerequisite: Any previous course in Philosophy 1101, 1130, 1149, 1175, 1179, 2204, 2211, 2215, 2216, 2219, 2221, 2223, 2229, 2237, 2241, 2253, 2263, 2267, 2281, 2282, 2291, 3307, 3333, 3345, 3350, or 4730.

**PHIL 4730 – Advanced Philosophical Topics**

(3 credits) 3 hours lecture

While the study of philosophy involves engaging with canonical texts and thinkers, it extends to questions that expand the scope of research, illuminate problems, and compel methodological experiments. This seminar, designed for undergraduates with a background in philosophy, will enable students to bring disciplinary methods and debates to bear upon pressing contemporary issues in the discipline.

Prerequisite: At least one of Philosophy 3307, 3333, 3345, 3350, 3368, or consent of the department.

**PHIL 3199, 4199 – Directed readings**

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

PHYSICAL LITERACY (PHYL)

PHYL 1310 – Teaching Games for Understanding (formerly HPED 1310)

(3 credits) 3 hours lecture

This is an introductory course that utilizes theoretical underpinnings to promote teaching game strategy, tactics and skills in a logical, progressive manner. This course provides an overview of how game skills can contribute to healthy lifestyles and the development of age appropriate fundamental movement skills with a focus on activity for life.

PHYL 1512 – Human Anatomy (formerly HPED 1512)

(3 credits) 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; 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.



PHYL 1530 – Movement Education (formerly HPED 1530)

(3 credits) 3 hours lecture

This course connects fundamental movement skills of physical literacy with physical activity, health, and health promotion. This course also provides connections to theoretical and curricular models (for example, the Alberta Education K-12 curricular objectives, Canadian Sport for Life) for implementation inside and complementary to the school system. Various theoretical and practical elements of dance and gymnastics will be introduced as part of this holistic movement education experience.

PHYL 1550 – Individual Activities (formerly HPED 1550)

(3 credits) 3 hours lecture

This is an introductory foundational course in individual physical and leisure activities that relate to health and health promotion. The students can expect to participate in a variety of traditional and novel activities that contribute to physical and health literacy. The instructor will use a pedagogical approach to help students learn how to lead others in the activities and be a role model in the field of recreation, sport, and physical education. Students will also study motivational theory in the context of inspiring others to participate in lifelong physical activity.

PHYL 2510 – Sport & Exercise Psychology (formerly HPED 2510)

(3 credits) 3 hours lecture

This course provides an introduction to the psychosocial concepts underlying an understanding of human behaviour in physical activity, sport and health. This course is divided into two equal components. The first examines the perspective of Exercise and Health Psychology, while the second uses the perspective of Personality and Social Psychology.



PHYL 2514 – Human Physiology (formerly HPED 2514)

(3 credits) 3 hours lecture, 3 hours lab

This course will outline the basic principles of human physiology. Topics to be covered include general properties of the living cell, internal environment and homeostasis; tissues, energy and cellular metabolism, as well as introduction to the endocrine, neural, muscular, articular, cardiovascular, respiratory, gastrointestinal, renal, and immune systems. Application of physiological principles to the understanding of human health and performance will be a focus.

Prerequisite: Biology 30 or equivalent.

Note: Only one of Biology 1216 or Physical Literacy 2514 can be used to satisfy Bachelor of Health and Physical Education program requirements.

PHYL 2520 – Introductory and Intermediate Coaching (formerly HPED 2520)

(3 credits) 3 hours lecture

This course provides exposure to motor learning, growth and development, philosophy, psychology, audio visual, public relations, administration and training methods as it pertains to coaching. Students will be introduced to the material included in the National Coaching Certification Program Part A and Part B of the Multi-Sport Competition Introduction Stream.

PHYL 3320 – Adapted Physical Activity (formerly HPED 3320)

(3 credits) 3 hours lecture

This course provides an examination of specific problems within the psychomotor domain and the related delivery systems for their identification and amelioration. This is an applied course that focuses on the issues and challenges of providing physical activity experiences for persons with a disability.



PHYL 3514 – Exercise Physiology (formerly HPED 3514)

(3 credits) 3 hours lecture, 2 hour lab

This course will provide an overview of the human body's response to acute and chronic exercise, exploring the principles of neuromuscular physiology, cardiorespiratory physiology, and energy metabolism. It will further examine physiological responses during exercise in altered temperature and atmospheric pressure.

Prerequisite: One of Biology 1216, 3104, 3205, or Health and Physical Education 2514; with a minimum grade of C.

PHYL 3516 – Biomechanics (formerly HPED 3516)

(3 credits) 3 hours lecture, 2 hours lab

This course will provide the student with a basic knowledge of the mechanical principles that govern human movement and sport performance. By exploring linear and angular kinematics and kinetics the student will be prepared to apply their knowledge in both theoretical and practical contexts of human motion.

Prerequisite: Physical Literacy 1512 with a minimum grade of C.

PHYL 3518 – Physical Growth and Development (formerly HPED 3518)

(3 credits) 3 hours lecture

This course will provide the student with an understanding of the physical changes that occur during the growth period from childhood to adolescence. Particular attention will focus on the impact of physical maturation and development as related to physical activity, exercise and skill acquisition. The influence of growth and development on the design and instruction of physical activity programs will be explored.

PHYL 3720– Physical Activity and the Older Adult (formerly HPED 3720)

(3 credits) 3 hours lecture

This course will focus on the issues and challenges of providing physical activity experiences for the older adult with an emphasis on applied exercise leadership.

Recommended Preparation: Health and Physical Education 2703 and Physical Literacy 1512.

PHYL 4203 – Fitness Assessment & Prescription

(3 credits) 3 hours lecture, 1 hours lab

This course will provide students with both a theoretical and practical skill set in the fundamentals of lifestyle appraisal and exercise prescription. Based on the Physical Activity Training for Health (PATH) protocol, this course will support students working towards becoming a Certified Personal Trainer (CPT) with the Canadian Society for Exercise (CSEP) (pre-requisites, fees, and passing an external exam is required).

Prerequisites: Physical Literacy 2510, Health and Physical Education 2850 and 2851.

Pre or Corequisite: Physical Literacy 3514.

Note: Only one of Health and Physical Education 2703 or Physical Literacy 4203 may be used to satisfy program requirements for the Bachelor of Health and Physical Education.

PHYL 4340 – Health Promotion (formerly HPED 4340)**(3 credits) 3 hours lecture**

This course explores the foundations of promoting health and wellness, examines current research and applies the theories of health promotion from individual, community and population perspectives. Drawing from a blend of theory, application and experiential learning, students will gain the capacity to effectively comprehend and develop health promotion and education programs.

Prerequisites: Health and Physical Education 1040, 2507 and Physical Literacy 2510.

PHYL 4518 – Motor Learning (formerly PHYL 4518)**(3 credits) 3 hours lecture, 2 hours lab**

This course presents the fundamental processes underlying the learning and performance of movement, how humans learn skilled actions and how the principles of motor performance and learning can be useful in teaching, coaching, rehabilitation and ergonomics.

Prerequisite: Physical Literacy 3518.

PHYL 4720 – Advanced Coaching (formerly HPED 4720)**(3 credits) 3 hours lecture**

This course provides exposure to selecting sport specific training programs, evaluating fitness, organizing and selecting training programs, detecting and correcting errors in skill techniques, advising on nutritional programs, developing mental strategies, pre-competition strategies, competition strategies, problem solving and motivational techniques for long term training programs. This course includes the following modules of the NCCP Competition Development Program: Leading Drug Free Sport, Developing Athletes Abilities, Prevention and Recovery, Psychology and Performance, Managing Conflict, Coaching and Learning Effectively.

Prerequisite: Physical Literacy 2520 or the National Coaching Certification Program Part A and B of the Competition Introduction Stream.

PHYL 5300 – Issues in Physical Literacy and Health (formerly HPED 5300)**(3 credits) 3 hours lecture**

This course is a senior capstone course that provides an opportunity for the integration of previous courses within the physical literacy major. Students will be expected to analyze and synthesize past learning and relate it to issues and problems in health, physical activity, and physical education. Course requirements will be tailored to meet each student's specific career plans or focus. The course is intended to permit the integration of oral, written and visual projects, and also to provide for the opportunity to understand and plan a major undergraduate research study or participate in a major service learning project and make a public presentation to the campus community.

Prerequisite: Health and Physical Education 3050 or consent of the department

PHYSICS (PHYS)**PHYS 0130 – Introductory Physics****(0 credits) 4 hours lecture, 2 hours lab**

This is a credit-free upgrading course; special fees apply. In this course students will develop problem solving strategies using diagrams, algebra and graphing. Topics will include motion in one and two dimensions, forces, energy, momentum, electric and magnetic fields, and light.

Corresponding Alberta High School Equivalent: Physics 30.

Recommended Preparation: Mathematics 0115, Mathematics 20-1 or equivalent.

PHYS 1104 – Everyday Physics – A Conceptual Introduction**(3 credits) 3 hours lecture**

Physics is the study of the rules behind the workings of the physical universe. This course makes the fun and excitement of doing physics accessible to non-science majors. Basic Concepts of physics will be introduced using the examples of everyday phenomena with reduced math content.

**PHYS 1201 – Classical Physics I****(3 credits) 3 hours lecture, 1 hour tutorial, 2 hours lab**

This course provides an introduction to Newtonian point mechanics. The topics covered include: vectors, motion in one and two dimensions including circular motion, forces, work and energy, and impulse and momentum. Laboratory exercises provide further insight into these topics.

Prerequisite: Mathematics 30-1 or equivalent with a grade of 60% or higher.

**PHYS 1202 – Classical Physics II****(3 credits) 3 hours lecture, 1 hour tutorial, 2 hours lab**

This course provides an introduction to fluids, thermodynamics and electromagnetism. The topics covered include: pressure, Pascal's and Archimedes' principles, temperature, the ideal gas law, the laws of thermodynamics, electric forces and fields, electric potential, electric currents and circuits, and magnetic forces and fields. Laboratory exercises provide further insight into these topics.

Prerequisites: Mathematics 1200 and Physics 1201 with grades of C- or higher.

**PHYS 2101 – Energy and Climate****(3 credits) 3 hours lecture**

This course provides an accessible introduction to the physics of energy generation and climate change. Simple mathematical reasoning is used to understand the different ways in which we generate and use energy, and how our actions affect the global climate. This course is intended for a general audience with no prior knowledge of physics.

Prerequisite: General Education 1101 or 1102 or 1103 with a grade of C or higher.

**PHYS 2103 – Radiation Medicine and Imaging****(3 credits) 3 hours lecture**

This course provides an overview of radiation medicine and its applications. It introduces the mathematical, physical and clinical principles of medical imaging and radiation therapies. This course is intended for a general audience with no prior knowledge of physiology and physics, and for students with an interest in health sciences and health professions.

Prerequisite: General Education 1101 or 1102 or 1103 with a grade of C or higher.

PHYS 2107 – Celestial Mechanics and Relativity**(3 credits) 3 hour lecture**

This course is an introduction to the subjects of celestial mechanics and special relativity, building on the prerequisites to develop a more advanced understanding of mechanics. It applies Newtonian mechanics to problems of interest in astronomy, such as planetary orbits, tidal effects and rigid body motion. It then goes on to investigate how Newtonian mechanics breaks down for large speeds and is replaced by special relativity.

Prerequisites: Physics 1201, and Mathematics 1202 or 2200, both with grades of C- or higher.

Recommended preparation: Astronomy 1301.

Note: PHYS 2107 and ASTR 2107 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

PHYS 2201 – Acoustics, Optics and Radiation**(3 credits) 3 hours lecture, 2 hours lab**

This course offers a rigorous introduction to wave motion and its applications to acoustics, optics and radiative energy transfer. The topics covered include the harmonic oscillator, travelling and standing waves, geometrical and wave optics, and elements of modern physics.

Prerequisites: Mathematics 1202 or 2200 and Physics 1201 with grades of C- or higher, or consent of department.

PHYS 2203 – Electromagnetism

(3 credits) 3 hours lecture, 2 hours lab

This course employs a calculus- and vector-based approach to electromagnetism. The topics include: electric charges, electric fields and potentials, electric currents, magnetic fields, electromotive force and induction, time-varying electric and magnetic fields, electromagnetic properties of materials, and elements of atomic structure.

Prerequisites: Mathematics 1202 or 2200 and Physics 1202 with grades of C- or higher, or consent of the department.

PHYS 2221 – Universe-shaking Ideas

(3 credits) 3 hours lecture

This course will introduce students to landmark physical ideas and their significance in understanding the physical universe. The course is intended for all students who have an intellectual curiosity to understand the most fundamental ideas behind the working of the physical universe.

Prerequisite: General Education 1101 or 1102 or 1103 with a grade of C or higher.

**PHYS 2401 – Nanotechnology: An Overview**

(3 credits) 3 hours lecture

This course provides a general introduction to nanotechnology and its applications. It places nanotechnology in the context of earlier advances in the area of atomic-scale devices and introduces the physical principles governing them. It discusses the fundamental role that quantum laws of nature play in the advances now transforming our way of life. This course is intended for a general audience.

Prerequisite: Physics 1104 or 1201 with a grade of C or higher.

PHYS 3103 – Introduction to Biophysics

(3 credits) 3 hours lecture, 1.5 hour tutorial

The aim of this course is to apply concepts and laws of physics to the study and understanding of living systems. As shown in the course outline, the topics that will be covered are: biomechanics of bone and muscle, hemodynamics, diffusion and osmosis, physics of respiration and cough, heat regulation mechanisms, electro-reception and conduction of impulses along the nervous system, magnetic sense, and the physics of vision and hearing.

Prerequisites: Mathematics 1200, Physics 1202 or 1212 and Biology 1202.

Note: Credit for both Biology 3103 and Physics 3103 will not be allowed.

PHYS 3401 – Solid State

(3 credits) 3 hours lecture, 4 hours lab

This course is a study of the models and concepts underlying the physics of chemical species in the solid state. Topics covered will include crystal structures, mechanical properties of solids, electronic models of solids, and semiconductor devices. The laboratory component involves both tutorial style exploration of concepts as well as experimental investigation of topics such as x-ray diffraction and semiconductor materials. Credit for both Chemistry 3401 and Physics 3401 will not be permitted.

Prerequisites: Chemistry 1201, Chemistry 1202 and Physics 1202, all with a grade of C- or higher.

Note: PHYS 3401 and CHEM 3401 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

PHYS 3601 – Thermodynamics

(3 credits) 3 hours lecture, 3 hours lab

This is an introduction to thermodynamics from a modern macroscopic perspective. Lecture topics will include the laws of thermodynamics, Maxwell relations, internal energy, enthalpy, entropy, Helmholtz and Gibbs free energies, chemical potential and equilibrium, as well as a detailed study of the Kinetic Theory of Gases for mono- and polyatomic gases, both ideal and real. The laboratory component will support the lecture material through theoretical modeling and basic thermodynamic and kinetic experiments.

Prerequisites: Chemistry 1201, Chemistry 1202, Physics 1202 and Mathematics 1202 or 2200, all with a grade of C- or higher or department consent.

Note: Credit for both Chemistry 3601 and Physics 3601 will not be allowed.

PHYS 3602 – Elementary Quantum Mechanics

(3 credits) 3 hours lecture, 3 hours lab

This is an introductory course in quantum mechanics. The basic theory and formalism of quantum mechanics will be developed, followed by their application to a variety of model systems from atomic and molecular physics and chemistry, including a discussion of electron spin with reference to both single- and multi-electron atoms. The lab will consist of classic experiments in quantum mechanics and spectroscopy.

Prerequisites: Mathematics 1203, Mathematics 1202 or 2200 and Physics 2201 with grades of C- or higher, or department consent.

Recommended Preparation: Mathematics 3200.

Note: Credit for both Chemistry 3602 and Physics 3602 will not be allowed.

PHYS 4602 – Advanced Quantum Mechanics

(3 credits) 3 hours lecture

This is the second course in quantum mechanics, building on the introductory Chemistry or Physics courses, Elementary Quantum Mechanics. It develops more powerful mathematical methods and applies them to more realistic systems. The topics covered include: the theory of angular momentum, three-dimensional problems, time-independent and time-dependent perturbation theories, applications to fine structure and radiation, systems of several particles, and scattering.

Prerequisites: Mathematics 3200 and either Chemistry 3602 or Physics 3602, both with a grade of C- or higher.

Note: PHYS 4602 and CHEM 4602 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

PHYS 4610 – Advanced Topics in Chemical Physics

(3 credits) 3 hours lecture

In this course, one or more advanced topics in chemical physics will be explored in depth. The topic(s) may change from year to year; examples include: electronic structure calculations, advanced methods in molecular spectroscopy, non-linear laser spectroscopy, photoionization, and electron-molecule scattering. Contact the Department for more information on the topic(s) covered in any given year.

Prerequisites: Physics 3601 and 3602, both with a grade of C- or higher.

Note: PHYS 4610 and CHEM 4610 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

PHYS 4611 – Advanced Laboratory in Chemical Physics

(3 credits) 1 hour lecture, 3 hours lab

This course has primarily a laboratory focus and is based on experiments covering various topics including thermodynamics, statistical mechanics, kinetic theory, atomic and molecular spectroscopy, optics, condensed matter physics, magnetic resonance, fluorescence and others can be explored. Each student selects and performs three experiments. Independent work is stressed, and scientific writing and presentation skills are emphasized. Weekly lectures will discuss experimental chemistry and physics techniques as well as skills necessary for the labs.

Prerequisites: Chemistry 3401 or Physics 3401, Chemistry 3601 or Physics 3601, and Chemistry 4602 or Physics 4602 with grades of C- or higher in all three.

Note: PHYS 4611 and CHEM 4611 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

PHYS 5201 – Independent Projects I

(3 credits) 6 hours lab

This course provides the student with the opportunity to do real scholarship in physics. Students will be expected to design and complete a project of their choosing in an area of physics under the guidance of a faculty supervisor. The project results will then be presented as a paper and an oral presentation to the department. To register in this course, you must first consult with a department faculty member who will supervise your project, as well as obtain permission from the department chair.

Prerequisites: Any 3000 level Physics course and consent of the department.

PHYS 5202 – Independent Projects II

(3 credits) 6 hours lab

This course provides the student with the opportunity to do real scholarship in physics. Students will be expected to design and complete a project of their choosing in an area of physics under the guidance of a faculty supervisor. The project results will then be presented as a paper and an oral presentation to the department. To register in this course, you must first consult with a department faculty member who will supervise your project, as well as obtain permission from the department chair.

Prerequisites: Physics 5201 and consent of the department.

PHYS 3199, 4199 – Directed Readings

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

POLITICAL SCIENCE (PLSC)**PLSC 1101 – Introduction to Government and Politics**

(3 credits) 3 hours lecture

This course provides a systematic introduction to the basic concepts and institutions of the process of politics.

**PLSC 1123 – Canadian Political Issues**

(3 credits) 3 hours lecture

This course explores selected themes in Canadian politics, such as federalism and regionalism, the Charter of Rights, issues of diversity and citizenship, and how we are governed.

**PLSC 1183 – Issues and Trends in World Politics**

(3 credits) 3 hours lecture

Major trends and issues in world politics, such as international tensions, migration, ethnic conflicts, human rights and sustainable development.

**PLSC 2208 – Qualitative Research Methods**

(3 credits) 3 hours lecture

This course introduces students to qualitative research methods and their application in studying policy. These include case studies, surveys, interviews, content analysis, process tracing, thick description, etc. Students are guided through a process of designing and selecting data collection methods that are appropriate, well thought out, and valid.

Prerequisite: Policy Studies 2201.

Note: POST 2208 and PLSC 2208 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

PLSC 2210 – History of Political Thought I

(3 credits) 3 hours lecture

This course focuses on the quest for the Good Regime in the West. The criteria for the Good Regime will be enunciated and applied to the Classical (Platonic, Aristotelian and Roman) and the Medieval (Augustinian and Thomistic) conception of the Good Regime.

Recommended Preparation: Political Science 1101 or Philosophy 1149.

**PLSC 2211 – History of Political Thought II**

(3 credits) 3 hours lecture

This course is a continuation of Political Science 2210. It focuses on the Machiavellian, Liberal, Marxian and Utopian conceptions of the Good Regime.

Recommended Preparation: Political Science 1101 or Philosophy 1149.

**PLSC 2227 – Women and Politics**

(3 credits) 3 hours lecture

Examination of political participation by women, women's issues and public policy and feminist political theories.

**PLSC 2231 – The Canadian State**

(3 credits) 3 hours lecture

The formal institutions of the Canadian state, including Parliament, the executive, federalism, the Constitution, and the courts. Emphasis on the way that political processes are shaped by these and other institutions.

Prerequisite: Political Science 1101 or 1123.

**PLSC 2237 – Perspectives on Political Economy**

(3 credits) 3 hours lecture

This course is an introduction to Political Economy concepts and perspectives. These are then applied to the analysis of interconnected political and economic issues, both historic and current. It will utilize a case approach with a Canadian emphasis.

Prerequisites: Economics 1101 or 1103, and Political Science 1101 or 1123.

PLSC 2243 – Law, Politics and the Judicial Process

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

The judicial system as a branch of government and as a part of the political process. Focus on the Canadian judiciary within a comparative context.

Prerequisite: Any one of Political Science 1101, 1123, Criminal Justice 1001, 1011, 1013, 2009 or 2015.

**PLSC 2259 – Comparative Government and Politics**

(3 credits) 3 hours lecture

An introduction to the analytical concepts of the comparative approach to political analysis.

Prerequisite: Political Science 1101.

**PLSC 2287 – Introduction to International Relations**

(3 credits) 3 hours lecture

The structures and processes of international relations and foreign policy.

Prerequisite: Political Science 1101 or 1183.

**PLSC 2298 – Politics and the Media**

(3 credits) 3 hours lecture

This course will consider how politics is portrayed in the coverage given it by the mass media, with special emphasis on the cognitive psychology involved in framing issues and the coverage of political events by television and the new media of the Internet. Canadian and American experience will be stressed.

**PLSC 3229 – Alberta and Provincial Politics (formerly PLSC 2229)**

(3 credits) 3 hours lecture

This course will examine Alberta politics and governance. Reference will be made to the province's political history, as well as an overview of Alberta's political institutions: the legislature, cabinet, political parties and administrative structure. Various policies – especially oil and gas – will be examined as to their impact on the province's political life.

Prerequisite: One of Political Science 2210, 2211, 2227, 2231, 2237, 2243, 2259, 2287, or 2298.



PLSC 3303 – Federalism

(3 credits) 3 hours lecture

This course is of interest to anyone who wishes to advance their understanding of key constitutional matters, government-level decision making, and policy development. This course will focus primarily on the Canadian federation. However, it will also explore other federal systems in a comparative setting, particularly the United States and Mexico, our continental partners in trade. With this course, students will acquire advanced knowledge of an essential aspect of Canadian constitutional, economic, and political life.

Prerequisites: Economics 1103, Political Science 1101 and 2231.

Note: only one of PLSC 3303 or POST 3303 can be used for graduation purposes.

PLSC 3305 – Interest Groups and Group Behaviour

(3 credits) 3 hours lecture

This course is of interest to anyone who wishes to advance their knowledge of the role of interest groups and their influence in policy formation, policy implementation and policy administration in a complex political system.

Prerequisites: Policy Studies 2201.

Note: only one of PLSC 3305 or POST 3305 can be used for graduation purposes.

PLSC 3351 – American Government and Politics

(3 credits) 3 hours lecture

This course introduces students to the key institutions and processes of the United States government. Particular emphasis will be placed upon the building of the American state, the constitution, federalism, the branches of government and separation of powers, and the influence of culture and the media on the political process.

Prerequisite: Political Science 2259.

PLSC 3382 – International Organizations

(3 credits) 3 hours lecture

This course introduces students to various international organizations in order to generate an understanding of their strengths and weaknesses as institutions of global governance. The course examines the United Nations, the North Atlantic Treaty Organization and the European Union, among others, and includes a Model United Nations simulation.

Prerequisite: Political Science 2287.

Note: Students may be responsible for personal travel and subsistence costs associated with enrolment in Political Science 3382 due to the Model United Nations component of the course. If these costs are a concern to you, check with your instructor prior to registration.

PLSC 3411 – Modern Political Thought

(3 credits) 3 hours lecture

PLSC 3411 continues the study of recurrent themes in political thought as were introduced in PLSC 2210 and 2211, particularly on the evolution of modern ideas about human nature, political institutions, political behaviour, and political obligation. Areas covered include the various forms of liberalism, conservatism, postmodernism, communitarianism, feminism, and socialism.

Recommended Preparation: Political Science 2210 or 2211 or Philosophy 2253.

PLSC 3485 – The Politics of the International Economic Order

(3 credits) 3 hours lecture

Analysis of the political management of international economic relations. Topics include the politics of trade and money relations, energy, multinational corporations and the New International Economic Order.

Prerequisite: Political Science 2287.

**PLSC 3489 – Foreign Policies of the Major Powers**

(3 credits) 3 hours lecture

This course provides an analysis of the foreign policies of selected major powers like the United States, Russia, China, the United Kingdom, and Canada. Topics include: understanding foreign politics, theories of foreign policy, determinance of foreign policy, balances of power and decision-making models.

Prerequisite: Political Science 2287.

**PLSC 4431 – Managing and Implementing Public Policy**

(3 credits) 3 hours lecture

This course develops practical understanding and a working knowledge of the instruments and techniques of policy implementation. Topics include, understanding public policy formation, defining government's role, choosing policy instruments for policy outcomes, designing an implementation process and managing the implementation process.

Prerequisites: Policy Studies 2201, 2209 and 3303 or Political Science 3303.

Note: only one of Political Science 4431 or Policy Studies 4431 can be used for graduation purposes.

PLSC 3199, 4199 – Directed Readings

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

POLICY STUDIES (POST)**POST 2201 – Introduction to Public Policy**

(3 credits) 3 hours lecture

This course is designed to advance the degree student's knowledge of public (government) policy development, initiation, and implementation. This course introduces students to various theories, models and approaches utilized by scholars and professional evaluators in the field of policy studies. This course also prepares students for the intellectual demands and skill-based practicalities needed in their future careers in the policy field.

Prerequisites: Political Science 1101 and 2231, or permission from the department.

POST 2208 – Qualitative Research Methods

(3 credits) 3 hours lecture

This course introduces students to qualitative research methods and their application in studying policy. These include case studies, surveys, interviews, content analysis, process tracing, thick description, etc. Students are guided through a process of designing and selecting data collection methods that are appropriate, well thought out, and valid.

Prerequisite: Policy Studies 2201.

Note: POST 2208 and PLSC 2208 are identical courses. Only one of these courses will count towards GPA calculation and graduation.

POST 2209 – Methodology and Statistics

(3 credits) 3 hours lecture, 1 hour lab

Credible and competent policy decisions are based on statistical and strategic thinking. This course teaches statistical thinking abilities (identifying appropriate statistical techniques, computing required statistics, and interpreting the results) and applies them to the policy development process. Students learn the applied techniques, through the use of Microsoft Excel, employed by policymakers in all sectors of the economy.

Prerequisites: Economics 1101 and 1103, Political Science 1101, Policy Studies 2201.



POST 3030 – Internship

(15 credits)

This course will foster an understanding of the culture and professional practices within administrative fields, and enhance understanding of public policy development. Students will be involved in a paid work experience in a government agency, a company, a research institute, or a non-governmental organization. The internship provides an opportunity to refine and hone the academic knowledge and analytical skills acquired in previous Policy Studies courses and apply them to an actual workplace/policy environment.

Prerequisites: Policy Studies 2201, 2208, 2209, 3303, 3305, Economics 2213, 2211/2244, Political Science 2231, 2259, and 2287, with a minimum grade of C. Attendance at all Career Services professional development workshops required to prepare students for the internship.

POST 3303 – Federalism

(3 credits) 3 hours lecture

This course is designed for the Policy Studies degree student, but is of interest to anyone who wishes to advance their understanding of key constitutional matters, government-level decision making, and policy development. This course will focus primarily on the Canadian federation. However, it will also explore other federal systems in a comparative setting, particularly the United States and Mexico, our continental partners in trade. With this course, students will acquire advanced knowledge of an essential aspect of Canadian constitutional, economic, and political life.

Prerequisites: Economics 1103, Political Science 1101 and 2231.

**POST 3305 – Interest Groups and Group Behaviour**

(3 credits) 3 hours lecture

This course is a third year core requirement for students in the Policy Studies degree program. The course develops practical understanding and a working knowledge of the role of interest groups and their influence in policy formation, policy implementation and policy administration in a complex political system.

Prerequisites: Policy Studies 2201.

**POST 4421 – International Economic Policy**

(3 credits) 3 hours lecture, 1 hour tutorial

This is a senior course normally taken in the sixth semester of the Policy Studies degree program. Students will acquire basic competency in accessing, processing, and interpreting data relevant to international economics issues. The focus is on the theory and policy of international trade, monetary, and financial issues. Topics include restrictive trade practices and tariff policy, exchange rate regimes and their effects on prices and output, the political economy relating to the laws, the structure and actors influencing Canadian trade and monetary policy on the international flows of production, and capital/financial investment. Upon completion, students will have algebraic, graphical and data manipulation skills to evaluate, analyze and compose thoughtful written proposals on issues related to international economic policy.

Prerequisites: Policy Studies 2201 and 2209, Economics 2213 and Political Science 2287.

POST 4431 – Managing and Implementing Public Policy

(3 credits) 3 hours lecture

This course is a senior-year core requirement for students in the Bachelor of Policy Studies. The course develops practical understanding and a working knowledge of the instruments and techniques of policy implementation. Topics include, understanding public policy formation, defining government's role, choosing policy instruments for policy outcomes, designing an implementation process and managing the implementation process.

Prerequisites: Policy Studies 2201, 2209 and 3303.

POST 4443 – Survey of Public and Private Law Principles

(3 credits) 3 hours lecture

This is a senior survey designed to familiarize Bachelor of Policy Studies students with the principles of Canadian law in general and the particular distinctions between public and private forms of law.

Prerequisites: Policy Studies 2201, 3303 and Political Science 1101 and 2231.

POST 5010 – Selected Topics in Policy Studies

(3 credits) 3 hours lecture

This capstone course is designed for the student enrolled in the final academic year of the Policy Studies degree program. The course relates theoretical frameworks to real-world policy issues which are both current and topical. It will address different topics in a seminar-style format, with discussion being led by faculty with particular expertise in the policy areas under examination.

Prerequisites: Policy Studies 2201, 2209, 3303, and 3305.

POST 5020 – Integrative Professional Practice

(3 credits) 3 hours lecture

This capstone course is a senior-year core requirement for students in the Policy Studies degree program. The course develops a practical understanding and a working knowledge of the organisational relationships and professional conduct in institutions and agencies that formulate and implement public policy. The emphasis is on strengthening competency and familiarity with accepted professional conduct, ethical and legal environments and intra-group and inter-institutional techniques for effective problem solving and communication. Topics include personal responsibilities, civil rights and labour law, Conflict of Interest Guidelines, collaborative partnerships, motivation and performance, and public communication.

Prerequisites: Policy Studies 2201 and 4431.

POST 5120 – Honours Thesis

(3 credits)

In this course, students complete an honours thesis between 40 and 60 pages. The thesis is original research under the direction of an academic supervisor and will culminate in a formal paper. The submission of the written thesis is to be followed by an oral defence. The thesis is to be completed in the winter semester of the student's final year.

Corequisite: Policy Studies 5020.

Note: Restricted to students officially admitted and registered in the Policy Studies Honours program.

PSYCHOLOGY (PSYC)**PSYC 1103 – Introduction to Psychology I: Natural Science**

(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: Psychology 1103 and 1104 are required for BA Psychology majors. Non-majors and Psychology minors may instead take Psychology 1105 and use it as a prerequisite for most 2000-level and 3000-level Psychology courses. Students who complete Psychology 1105 and subsequently become Psychology Majors will be required to complete Psychology 1103 and 1104.

**PSYC 1104 – Introduction to Psychology II: Social Science**

(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 with a minimum grade of C or higher.

Note: Psychology 1103 and 1104 are required for BA Psychology majors. Non-majors and Psychology minors may instead take Psychology 1105 and use it as a prerequisite for most 2000-level and 3000-level Psychology courses. Students who complete Psychology 1105 and subsequently become Psychology Majors will be required to complete Psychology 1103 and 1104.



PSYC 1105 – Introduction to Psychology

(3 credits) 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.

Note: Psychology 1105 is intended for non-Psychology majors only and can be used as a prerequisite for most 2000-level and 3000-level Psychology courses. Psychology 1103 and 1104 are required for BA Psychology majors. Students who complete Psychology 1105 and subsequently become Psychology Majors will be required to complete Psychology 1103 and 1104.

**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: Psychology 1104 with a minimum grade of C or higher.

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.

Prerequisite: Psychology 2210 with a minimum grade of C or higher.

PSYC 2213 – Research Methods I

(3 credits) 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 2210 with a minimum grade of C or higher.

Pre or Corequisite: Psychology 2211.

PSYC 2235 – Life-Span Development

(3 credits) 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 with a minimum grade of C or higher **or**

Pre or Corequisite: Nursing 1213 or permission of department.

**PSYC 2245 – Social Psychology**

(3 credits) 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 with a minimum grade of C or higher.

**PSYC 2265 – Cognitive Psychology**

(3 credits) 3 hours lecture

This course provides a survey of the major areas of research and theory in cognitive psychology. Topics may include the origins of cognitive psychology in traditional learning theories, as well as contemporary views of neurocognition, attention, perception, language, memory, problem solving, creativity and intelligence.

Prerequisite: Psychology 1104 or 1105 with a minimum grade of C or higher.

**PSYC 2275 – Brain and Behaviour**

(3 credits) 3 hours lecture

This course encourages students to adopt a biological perspective towards psychological issues. From an overview of brain anatomy and neuron physiology, it will explore topics such as sensory processing, brain damage and recovery hormones and behaviour, learning and memory, emotions and stress.

Prerequisite: Psychology 1104 or 1105 with a minimum grade of C or higher.

PSYC 2283 – Personality

(3 credits) 3 hours lecture

This course emphasizes a scientific approach to the study of personality formation. It examines theories and research related to the structure and dynamics of personality. Five main theoretical views are covered: psychodynamic, learning, humanistic, existential, and trait. Representative theories are presented for each perspective along these lines: main concepts and hypotheses, empirical work (e.g. measurement of individual differences), and/or psychotherapeutic applications. The course establishes links of divergence, convergence, and similitude between the different theories of personality.

Prerequisite: Psychology 1104 or 1105 with a minimum grade of C or higher.

**PSYC 2285 – Abnormal Psychology**

(3 credits) 3 hours lecture

This course is a survey of the symptoms, causes and treatment of psychological disorders as they occur across the lifespan. Through lecture, videos and in-class applied exercises, students will consider the experience of psychological abnormality and study contemporary methods used in clinical diagnosis and intervention.

Prerequisite: Psychology 1104 or 1105 with a minimum grade of C or higher.

**PSYC 3301 – Learning and Behaviour**

(3 credits) 3 hours lecture

This course includes topics in the field of learning and behaviour such as classical and operant contingencies, experimental methodologies, and critical scientific thinking skills. The course will also focus on the application of learning theory to a variety of real-world situations related to behavior modification, behavioral economics, and addiction.

Prerequisite: One of Psychology 2235, 2245, 2265, 2275, 2283 or 2285 with a minimum grade of C or higher.

PSYC 3302 – Psychopharmacology

(3 credits) 3 hours lecture

This course provides an introduction to the relationship between drugs, the brain, and behaviour. Students will learn how neuropharmacologic agents (psychotropic and psychotherapeutic drugs), through their influence on the biochemistry and physiology of neurons and neurotransmitter systems, affect nervous system function, and thus behaviour.

Prerequisite: Psychology 2275 with a minimum grade of C or higher.

PSYC 3305 – History of Psychological Thought

(3 credits) 3 hours lecture

In this course, students will examine the societal, philosophical, and scientific trends that, beginning in ancient Greece, ultimately gave rise to modern psychology. In addition, students will learn how the topics of psychology were investigated prior to the formation of psychology as a distinct scientific discipline.

Prerequisites: One of Psychology 2235, 2245, 2265, 2275, 2283, or 2285 with a minimum grade of C or higher.

PSYC 3307 – Evolutionary Psychology**(3 credits) 3 hours lecture**

This course examines psychological questions about behaviour from an evolutionary perspective. Following a basic overview of evolutionary theory, this course will look at the evolution of the neural origins of behaviours such as language, social cooperation, parenting, aggression, mate selection, and sex.

Prerequisite: Psychology 2275 with a minimum grade of C or higher.

PSYC 3320 – Topics in Death and Dying (formerly PSYC 2219)**(3 credits) 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 2235 with a minimum grade of C or higher.

**PSYC 3327 – Psychology of Sexuality****(3 credits) 3 hours lecture**

This course emphasizes psychological theory and research concerning sexuality. It reviews methods and methodological problems in research on sexual behaviour. It covers basic information about sexual physiology and function, sexual development and differentiation, sexual behaviour, attraction, intimacy, sexual orientation and sexual dysfunction.

Prerequisite: One of Psychology 2235, 2245, 2265, 2275, 2283 or 2285 with a minimum grade of C or higher.

PSYC 3343 – Psychology of Social Media**(3 credits) 3 hours lecture**

This course uses theories primarily from development and social psychology to understand predictors and effects of social media and social technologies use among adolescents and adults. This course also discusses research concepts, practices and designs that are relevant to the psychological study of social media and behaviour.

Prerequisite: One of Psychology 2235, 2245, 2265, 2275, 2283 or 2285 with a minimum grade of C or higher.

PSYC 3344 – Environmental Psychology**(3 credits) 3 hours lecture**

This course examines the connections between humans and our natural and built environments. The influence of the physical environment on humans and how human behaviour influences the environment will be considered. We will explore the effects of the environment in terms of human behaviour, cognition, well-being and environmental sustainability.

Prerequisite: Psychology 2245 with a minimum grade of C or higher.

PSYC 3346 – Social Influence and Persuasion**(3 credits) 3 hours lecture**

This course explores theories and research concerning social influence, with particular attention to compliance, conformity, persuasion and obedience. It will also explore how the principles of social influence apply to real world phenomena.

Prerequisite: Psychology 2245 with a minimum grade of C or higher.

PSYC 3351 – Topics in Child Development**(3 credits) 3 hours lecture**

This course focuses on psychological development from conception through childhood and adolescence, examining such topics as the development of cognition, emotion, identity, moral thinking, and psychosocial abilities.

Prerequisite: Psychology 2235 with a minimum grade of C or consent of the department.

**PSYC 3353 – Topics in Aging****(3 credits) 3 hours lecture**

This course examines the nature, causes and implications of developmental changes across the middle and later adult years. Following a basic overview of theoretical perspectives and research methods used in the area, the course will look at age-related changes in physiological, psychological, and social functioning. Diversity in later adulthood is also discussed, as it is reflected in gender and in cultural, lifestyle and individual variability.

Prerequisite: Psychology 2235 with a minimum grade of C or higher.

**PSYC 3355 – Topics in Adolescence****(3 credits) 3 hours lecture**

This course emphasizes the biological, cognitive, social and emotional changes that occur within adolescent development. It investigates the impact of various contexts (family, peers, school, etc) on developmental outcomes. Topics include the transitory difficulties and psychosocial problems that may arise during this period as well as cultural and historical aspects of development.

Prerequisite: Psychology 2235 with a minimum grade of C or consent of the department.

**PSYC 3357 – Topics in Brain and Behaviour****(3 credits) 3 hours lecture**

This course will expand and build upon the content covered in the 2000-level course, Brain and Behaviour. It will include topics such as homeostasis, variations in consciousness, the neural control of language, brain laterality, environmental influences on brain function, and psychopathology.

Prerequisite: Psychology 2275 with a minimum grade of C or higher.

PSYC 3367 – Human Memory**(3 credits) 3 hours lecture**

This course provides an overview of the history, current theories, and research findings relating to human learning. Processes involved in encoding, storing and retrieving information from memory stores will be studied by examining such topics as implicit and explicit memory, autobiographical memory, and constructive processes.

Prerequisite: Psychology 2265 with a minimum grade of C or higher.

PSYC 3369 – Sensation and Perception**(3 credits) 3 hours lecture**

The course will provide students with an understanding of how the brain receives and processes information about the world around us. This will include the basic anatomy and physiology of the primary sensory systems, the scientific methods used to measure sensory function, and how information is represented in neural processing. The course will also look at traditional and cutting edge approaches to object perception, theories of depth perception, color perception, pattern recognition, motion, attention and at the processes of bottom-up and top-down processing and how they interact.

Prerequisite: One of Psychology 2235, 2245, 2265, 2275, 2283 or 2285 with a minimum grade of C or higher.

PSYC 3390 – Sport Psychology**(3 credits) 3 hours lecture**

This course surveys the field of sport and exercise psychology from both a theoretical and applied perspective.

Prerequisites: One of Psychology 2235, 2245, 2265, 2275, 2283 or 2285 with a grade of C or higher.

Note: Only one of Physical Literacy 2510 or Psychology 3390 can be used to fulfill graduation requirements in the core/major of the program.

PSYC 3406 – Introduction to Counselling and Psychotherapy**(3 credits) 3 hours lecture**

This course critically examines the basic principles and therapeutic processes that characterize mainstream counselling/psychotherapy approaches, such as those based on the Psychodynamic, Behavioural and Cognitive-Behavioural, Humanistic, and Contextual/Systemic perspectives.

Prerequisites: Psychology 2283 and 2285.

PSYC 4401 – Social Cognition**(3 credits) 3 hours lecture**

This seminar course examines theories and research results pertaining to the structures (self, person, role, and event schemas) and processes (expectations, attributions, and inferences) underlying self and person perception.

Prerequisites: Psychology 2213 and 2245 and one of Psychology 3301, 3302, 3305, 3307, 3320, 3327, 3343, 3344, 3346, 3351, 3353, 3355, 3357, 3367, 3369 or 3406, all with minimum grades of C or higher.

PSYC 4403 – Advanced Topics in Brain and Behaviour**(3 credits) 3 hours lecture**

A basic review of brain anatomy and physiology will be followed by an exploration of topics such as neuroplasticity, neuroendocrinology and psychoneuroimmunology. These topics will be examined in relation to abnormal neural and behavioural function in disorders such as depression, multiple sclerosis and Parkinson's disease.

Prerequisites: Psychology 2213 and any one of Psychology 3302, 3307 or 3357, all with minimum grades of C or higher.

PSYC 4404 – The Self**(3 credits) 3 hours lecture**

This course presents research results on the self within social-experimental, comparative, developmental, and neuroscience perspectives. The nature and function of the self will be examined. Topics will include: self-knowledge, self-motivation, self-esteem, self-regulation, self-recognition, Theory-of-Mind, measurement issues, and the influence of culture on views of the self.

Prerequisites: Psychology 2213 and 2245 and one of Psychology 3301, 3302, 3305, 3307, 3320, 3327, 3343, 3344, 3346, 3351, 3353, 3355, 3357, 3367, 3369 or 3406, all with a minimum grade of C or higher.

PSYC 4405 – Psychometrics**(3 credits) 2 hours lecture, 1 hour tutorial**

The course examines the theory and practice of psychological testing. Topics include theories underlying psychological testing, test development and design, item analysis, reliability, validity, bias, interpretation of test scores, and common psychological tests. The course also provides students with hands-on experience in the design and evaluation of psychological tests.

Prerequisites: Psychology 2213 and one of Psychology 3301, 3302, 3305, 3307, 3320, 3327, 3343, 3344, 3346, 3351, 3353, 3355, 3357, 3367, 3369 or 3406, all with a minimum grade of C or higher.

PSYC 4412 – Advanced Statistical Methods for Psychology**(3 credits) 2 hours lecture, 2 hours tutorial**

This course reviews material from prior 2200-level statistics courses and introduces more advanced analyses. Students will learn to screen data and to conduct analyses including multi-factor ANOVA, planned comparisons, advanced regression, power and nonparametric tests. Brief conceptual introductions to multivariate techniques (e.g. factor analysis, mediation analysis, MANOVA/MANCOVA) will be provided.

Prerequisites: Psychology 2211 and 2213 with minimum grades of B.

PSYC 4413 – Research Methods II**(3 credits) 2 hours lecture, 2 hours tutorial**

This course extends research concepts, practices, and designs introduced in Psychology 2213 and 4412. Students will gain more in-depth hands-on experience with core elements of the research process while critiquing, designing and conducting small research projects. In addition, specialized techniques in social science research will be introduced. This course lays a foundation for honours thesis research.

Prerequisites: Psychology 2213 with a minimum grade of B and Psychology 4412.

PSYC 4451 – Atypical Child Development**(3 credits) 3 hours lecture**

Psychology 4451 provides a critical examination of issues pertaining to developmental psychopathology during childhood and adolescence with an emphasis on the characteristics of the disorders of development, their determinants, outcomes and interventions. Contemporary research and theories as well as current approaches to intervention and prevention will be emphasized.

Prerequisites: Psychology 2213, 2285 and 3351 with minimum grades of C or higher.

PSYC 4455 – Atypical Adolescent Development**(3 credits) 3 hours lecture**

Course seminars will examine the foundations and pathways, normative and psychopathological, of adolescent development. Small-scale hypothesis driven studies and multilevel research designs are utilized to demonstrate the complexity of the study of adolescent development. Advances in theory and research pertaining to the biological, cognitive, emotional, and social development of adolescents, including emerging adulthood, will be emphasized.

Prerequisites: Psychology 2213 and 3355 with minimum grades of C or higher.

PSYC 4465 – Advanced Topics In Cognition**(3 credits) 3 hours lecture**

This course examines current topics in cognitive psychology while focusing on theories and research findings. The topics may vary from year to year and may include research methods, perception, attention, memory, knowledge, problem solving, decision making, and cognitive development and aging.

Prerequisites: Psychology 2213 and 2265 and one of Psychology 3301, 3302, 3305, 3307, 3320, 3327, 3343, 3344, 3346, 3351, 3353, 3355, 3357, 3367, 3369 or 3406, all with a minimum grade of C or higher.

PSYC 4483 – Advanced Topics in Social Psychology**(3 credits) 3 hours seminar**

This course explores select topics in social psychology. Students will focus on these topics in depth by critically evaluating theory and research in the area. Sample topics include group dynamics, leadership, conflict resolution, nonverbal and deceptive communication, interpersonal relationships, altruism and aggression.

Prerequisites: Psychology 2213 and 2245 and one of Psychology 3301, 3302, 3305, 3307, 3320, 3327, 3343, 3344, 3346, 3351, 3353, 3355, 3357, 3367, 3369 or 3406, all with a minimum grade of C or higher.

PSYC 4484 – The Psychology of Happiness**(3 credits) 3 hours lecture**

This course will examine the nature of happiness from the viewpoint of experimental social psychology. This will include an evaluation of the empirical research on the topic of happiness and an exploration of how the science of happiness can be applied in your own life.

Prerequisites: Psychology 2213 and 2245 and one of Psychology 3301, 3302, 3305, 3307, 3320, 3327, 3343, 3344, 3346, 3351, 3353, 3355, 3357, 3367, 3369 or 3406, all with a minimum grade of C or higher.

PSYC 4485 – Advanced Topics in Abnormal Psychology**(3 credits) 3 hours lecture**

This course surveys current controversies in clinical psychology related to legal and ethical issues, research, and the diagnosis and treatment of psychological disorders.

Prerequisites: Psychology 2213 and 2285 and one of Psychology 3301, 3302, 3305, 3307, 3320, 3327, 3343, 3344, 3346, 3351, 3353, 3355, 3357, 3367, 3369 or 3406, all with a minimum grade of C or higher.

PSYC 4900 – Advanced Topics in Infant Cognition**(3 credits) 3 hours lecture**

This course examines the theoretical and empirical nature of cognitive development in infancy. Topics include infant research methods, sensation, perception, intelligence, concepts and categories, memory, and early communicative development.

Prerequisites: Psychology 2213 and 3351 with minimum grades of C or higher.

PSYC 4901 – Advanced Topics in Child Cognitive Development**(3 credits) 3 hours lecture**

This course examines theory and research in cognitive development throughout childhood. Topics include research methods with children, perception, memory, language, problem solving, academic skills, intelligence, and social perception.

Prerequisites: Psychology 2213 and 3351 with minimum grades of C or higher.

PSYC 5110 – Honours Seminar I**(3 credits) 3 hours seminar**

Psychology 5110 is a weekly seminar course for students in the Honours stream. The seminar will provide students with a variety of practical, technical, and intellectual skills that are central to scientific research and to the development of their Honours thesis. Emphasis will be placed on students' ability to think critically and independently.

Prerequisite: Psychology 4413.

Note: This course is restricted to students who are officially accepted and enrolled in the Psychology Honours Program.

PSYC 5120 – Honours Seminar II**(3 credits) 3 hours seminar**

Psychology 5120 is a weekly seminar course for students in the Honours stream. The seminar will provide students with the opportunity to conduct research in their area of interest, gather data, analyze and present findings, and develop a written thesis. Some projects may be non-empirical or theoretical, in which case certain steps (e.g., gathering data) may be modified accordingly. The Honours thesis project is conducted under the direct guidance of a faculty supervisor from the Department of Psychology.

Prerequisite: Psychology 5110.

Note: This course is restricted to students who are officially accepted and enrolled in the Psychology Honours Program.

PSYC 3199, 4199 – Directed readings

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

RELIGIOUS STUDIES (RELS)**RELS 1101 – World Religions: Western****(3 credits) 4 hours lecture**

This course is an introduction to Western religions including Judaism, Christianity and Islam.

**RELS 1103 – World Religions: Eastern****(3 credits) 4 hours lecture**

This course is an introduction to Eastern religions such as Hinduism, Sikhism, Jainism, Buddhism, Confucianism, Daoism, and Shinto.

**RELS 1104 – Religion and Violence****(3 credits) 3 hours lecture**

This course introduces students to the study of religion by exploring the relationship between religion and violence. Themes covered may include: theories of religion and violence, self-harm, martyrdom, sacrifice, symbolic violence, resistance to religiously-sanctioned violence, religion and domestic violence, religion and non-violence.

**RELS 1105 – Comparing Religions****(3 credits) 4 hours lecture**

An introduction to the study of religion that relates religious traditions to contemporary thought and culture.

**RELS 2208 – Religion and Popular Culture****(3 credits) 3 hours lecture**

This course examines religious beliefs, practices, institutions, etc as expressed in works of popular culture. The course may focus on religion in a specific type of media (e.g. film, TV, literature, art) or on a religious theme (e.g. apocalypticism or the environment).

**RELS 2209 – Religious Experience****(3 credits) 3 hours lecture**

This course examines a variety of types of religious experience (e.g. communal solidarity, moral development, conversion, mysticism, possession, trance, ecstasy). Emphasis will be placed on different theoretical accounts of the origin, nature and/or significance of these experiences.

**RELS 2212 – Religious Traditions of China****(3 credits) 3 hours lecture**

This course will introduce the major religious traditions of China, including Confucianism, Daoism, Buddhism, and popular Chinese religion. Examining the history, teachings, and practices of these traditions will provide insight into Chinese religion and culture.

**RELS 2243 – Good and Evil****(3 credits) 3 hours lecture**

This course examines religious views of moral issues with an emphasis on the nature and consequences of right action. The course may focus on dualistic worldviews (i.e., ethics as a struggle between good and evil) and/or on karmic and non-dualistic worldviews. Issues may include interpersonal relations, social justice, treatment of non-humans, sexuality, violence, and biomedical advances.

**RELS 2251 – Sikhism****(3 credits) 3 hours lecture**

This course is an introduction to Sikh religion and identity. Particular attention will be given to the historical context from which Sikhism arose, the worldviews and goals it articulates, the development and content of its authoritative literature, and its religious practices. Sikhism outside of the Indian context may also be discussed.

**RELS 2252 – Hinduism****(3 credits) 3 hours lecture**

This course is an examination of the major religious developments in Hinduism from ancient times to the modern period. The course introduces students to the central thinkers, literature, beliefs, and practices associated with Hinduism.

**RELS 2253 – Christianity****(3 credits) 3 hours lecture**

This course is an overview of Christianity, including Orthodoxy, Catholicism and Protestantism. Topics may include beliefs, rituals, institutions, experts, art, architecture, artifacts and popular religiosity. The focus is contemporary, with some historical background. Christianity in Canada and relations between Christianity and society will be addressed: for example, issues of politics, economics, ethics, mass media, gender, race and/or class.

**RELS 2254 – Islam****(3 credits) 3 hours lecture**

This course is an introduction to Islam from its origins in the Arabian peninsula to contemporary times as a global religion. Attention will be given to the historical and cultural contexts in which Islam arose, to the worldviews and goals it articulates, to the development and content of its literature, and to its religious practices.

**RELS 2255 – Judaism****(3 credits) 3 hours lecture**

This course provides an introduction to the history, practices, beliefs, institutions and literature of the Jewish religion, from biblical times until the modern era. The course will describe the distinctive features associated with Judaism in different time periods, and the values, beliefs, and rituals that developed in response to the historical and cultural settings encountering Judaism.



RELS 2260 – Sikh Studies Field School

(3 credits) 5 weeks field school

This course examines Sikh experience in Canada. Themes to be considered include immigration and settlement history, citizenship, transnational links, religious and cultural encounters, and the impact of Canadian public policy and law on Sikhs. The course combines traditional lecture format with intensive experiential learning at various field sites. The course includes one week of classroom instruction prior to departure, multi-night field site visits, followed by two weeks for independent study, presentations, and debriefing upon return.

Recommended Preparation: At least one of Religious Studies 2251, 3353, or 4403.

Note: Students will be responsible for paying all costs, including travel and accommodation, associated with this field school.

RELS 2279 – Buddhism

(3 credits) 3 hours lecture

A study of the doctrinal development and practices of the Buddhist tradition, including treatment of topics such as early Buddhism, Mahayana, and Tibetan Vajrayana.

**RELS 2281 – Women and Religion**

(3 credits) 3 hours lecture

This course examines the origins, content, and influence of the views of women contained in various religious traditions and practices.

**RELS 3302 – Selected Topics in Religion**

(3 credits) 3 hours lecture

This course provides an in-depth examination of a selected topic or theme in the study of religion. Possible topics include religion and the body; religion and the environment; religious fundamentalism; religion and sexuality.

**RELS 3305 – Esotericism, Magic and the Occult**

(3 credits) 3 hours lecture

This course offers an historical and thematic introduction to Western Esotericism. Topics may include Gnosticism, Hermeticism, Astrology, Alchemy, Kabbalah, Naturphilosophie, Rosicrucianism, Freemasonry, Mesmerism, Spiritualism, Theosophy, Anthroposophy, the modern occult (e.g., Eliphas Levi and Aleister Crowley), Traditionalism, New Age and Neopaganism.

**RELS 3312 – Religion in Contemporary East Asia**

(3 credits) 3 hours lecture

This course will examine the ways that religious traditions have adapted to modern conditions in East Asian countries such as China, Japan, and Korea. Possible topics include: Buddhist monasticism, socially-engaged Buddhism; pilgrimage and tourism, married monks, and ritual interactions with ghosts.

Recommended Preparation: One of Religious Studies 2212 or 2279.

**RELS 3322 – Religion in the Americas**

(3 credits) 3 hours lecture

This course examines religion in the Americas today (especially Canada, the US, Mexico and Brazil) along with relevant historical developments. Topics may include the impacts of colonization and immigration, indigenous traditions, Church-State relations, folk Catholicism, liberation theology, Afro-Christian traditions and Spiritism, and (neo-)Pentecostalsms.

**RELS 3333 – Death and the Afterlife**

(3 credits) 3 hours lecture

This course examines various religious perspectives on suffering, death, and the afterlife. The death rituals of different religions may also be considered.

**RELS 3352 – Topics in Hinduism**

(3 credits) 3 hours lecture

This course is an in-depth study of a specific Hindu thinker, text, movement, or issue. Course content will vary from year to year. Possible topics include the *Bhagavad Gita*, Gandhi, the poet saints, Shankara, and the Upanishads.

Recommended Preparation: Religious Studies 2252.

**RELS 3353 – Topics in Sikhism**

(3 credits) 3 hours lecture

This course is an in-depth study of a specific Sikh thinker, text, movement, or issue. Course content will vary from year to year. Possible topics include the Dasam Granth, Guru Arjan, the Namdhari tradition, the rahit tradition, and the Singh Sabha movement.

Recommended Preparation: Religious Studies 2251.

**RELS 3360 – Topics in Christianity**

(3 credits) 3 hours lecture

This course is an in depth study of a specific Christian thinker, text, movement, or issue. Course content will vary from year to year. Possible topics include globalized Christianity, Christian mysticism, and Christianity and the World Wide Web.

Recommended Preparation: Religious Studies 2253.

**RELS 3378 – Yoga and Meditation**

(3 credits) 3 hours lecture

This course examines the history, theory, and practices of yoga and meditation from their Asian origins to their global spread in modern times. Topics examined may include Buddhist and Daoist traditions of meditation, the origins of yoga in India, Tantric yoga and meditation, and yoga and meditation in North America.

Recommended Preparation: Any of Religious Studies 1103, Religious Studies 2279, or Religious Studies 2252.

**RELS 4400 – Religion and Public Life**

(3 credits) 3 hours lecture

This course explores the role of religion in public life. It examines how religion manifests in public spaces and institutions, and considers the challenges and possibilities of religious diversity in contemporary society. Topics to be examined may include religion and politics, healthcare, poverty, education, food, art, human rights, law, public policy, ethnicity, immigration, and multiculturalism.

Prerequisite: One of Religious Studies 2208, 2209, 2212, 2215, 2243, 2251, 2252, 2254, 2255, 2260, 2279, 2281, 3199, 3302, 3305, 3312, 3322, 3333, 3352, 3353, 3360, 3378, 4199 or 4403, or consent of the department.

**RELS 4403 – Asian Religions in North America**

(3 credits) 3 hours lecture

This course explores Hindu, Sikh, Buddhist, and/or Chinese religious communities in North America. Attention will be given to one or more of these communities in Calgary.

Recommended Preparation: One of Religious Studies 2251, 2252, 2279, 3312, 3352, or 3353.

**RELS 3199, 4199 – Directed Readings**

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

SCIENCE (SCIE)

SCIE 0110 – Introduction to Science

(0 credits)

This is a credit-free upgrading course; special fees apply. Topics include zoology, botany, microbiology, biochemistry, chemistry, Newtonian and post-Newtonian physics.

Note: This course is the equivalent of Science 10. Not intended for science majors.

SCIE 0130 – Science of the Environment

(0 credits) 4 hours lecture, 2 hours lab online

This is a credit-free upgrading course; special fees apply. This course explores physics, chemistry, biology and environmental science. Topics include: electric and magnetic field theory and the EM spectrum; acids, bases, organic compounds, pollutants and their effect on the environment; how the human body interacts with the environment including the circulatory and immune systems; the impact of the environment on genetics; conventional and alternative sources of energy and renewable resources.

Corresponding Alberta High School Equivalent: Science 30.

Recommended Preparation: Science 20 or Physics 20 AND Chemistry 20 or Physics 20 AND Chemistry 0115.

SCIE 5010 – General Science Senior Student Seminar

(3 credits) 3 hours lecture

This capstone course will help to prepare students for further academic studies and research using a student-centered learning approach. Course learning outcomes include critique of scientific research, critical examination of controversial scientific ethical issues, presentation of work to peers, and peer and self evaluation.

Prerequisites: Consent of the department.

SCIE 5020 – General Science Interdisciplinary Project

(3 credits) 3 hours lecture

This capstone course will help students to use their academic learning to investigate a real-world problem within an interdisciplinary student group. Projects will be student driven, but progress will be facilitated and assessed by one or more instructors with relevant expertise.

Prerequisites: Science 5010 with a grade of C- or higher.

SOCIAL INNOVATION (SINV)

SINV 2201 – Introduction to Social Innovation (formerly NPRO 2201)

(3 credits) 3 hours lecture

This course introduces social innovation and values-centred management in Canada. It explores the history of the values-driven business sector, the public sector, Indigenous and treaty-based worldviews, the social economy, community, volunteer, nonprofit organizations and their activities.



SINV 2205 – Social Innovation through Historical Case Study

(3 credits) 3 hours lecture

This course will study the context, process, outcomes and consequences of social innovation. Students will be expected to debate and discuss the inclusion of specific cases (for example, Treaty 7 vs. Making Treaty 7), and the evolution of the concept of social innovation using trends and common elements of historical social innovation experiments that are relevant today.

Prerequisites: Entrepreneurship 2301 or Management 2130 or Social Innovation 2201.

SINV 2247 – Introduction to Volunteer Management (formerly NPRO 2247)

(3 credits) 3 hours lecture

This course discusses the role of the volunteer in the community. Course material will include a brief history of voluntarism, the recruitment and training of volunteers, and the role of volunteers in the planning and delivery of community programs. Special attention will be paid to the unique aspects of managing volunteers, including risk management, retention, recognition, and incentives.



SINV 3203 – Facilitating Social Innovation

(3 credits) 3 hours lecture

This course engages students with social innovation facilitation as practice. Students will learn multiple methods to engage, build, and facilitate social change with others, incorporating critical issues of consent, prerogative, representation, and consensus. Facilitation tools and engagement strategies that affect change and create social impact for public, profit, not for profit, and neighbour nations will be explored.

Prerequisite: Entrepreneurship 2301 or Management 2130 or Social Innovation 2201.



SINV 3303 – Storytelling & Systems

(3 credits) 3 hours lecture

The course considers how storytelling helps us grasp the nature of a complex system, how storytelling helps us define a problem within such a system, and how leaders can use storytelling to help their organization/initiative navigate a complex system. This course will introduce protocols surrounding a wide range of storytelling traditions as actionable concepts in addressing design problems.

Prerequisite: Social Innovation 2205 or consent of the department.

SINV 3305 – Agents of Social Change (formerly NPRO 3305)

(3 credits) 3 hours lecture

Framed by a discussion of social innovation, civic engagement, relationships, advocacy, and re-imagining Indigenous sovereignty, this course examines programs of social change, colonial and decolonized. It explores processes, structures, organizations and programs in the social economy – community, volunteer, or nonprofit organizations – and helps students understand how to tackle society's most stubborn problems.



SINV 3730 – Special Topics in Social Innovation (formerly NPRO 3730)

(3 credits) 3 hours lecture

This course provides an examination of selected topics in social innovation and those relevant to the values-driven business, the public sector and the social economy – community, volunteer and nonprofit organizations. As this is a variable content course, the specific topic will be announced and advertised each time it is offered. Students may not receive credit for this course more than once.



SINV 4401 – Civic Innovation

(3 credits) 3 hours lecture

This course introduces the world of civic innovation, civic engagement, social innovation, and civil society. Students explore place, ancestral and living histories of place, and one's relationship with local, provincial, national and global government. The course explores how social capital is built and leveraged in conjunction with civic innovation, place making, and creativity in cities.

Prerequisite: Social Innovation 3305 or consent of the department.



SINV 4402 – Human-Centred Design for Social Impact

(3 credits) 3 hours lecture.

Using a solutions economy mindset, students will gain an understanding of the principles, techniques and processes of 'Design Thinking' and 'Human Centred Design' (HCD) for generating community prosperity. Students will use methods, cases, written and on-line resources, and their communities as springboards to develop their HCD practice for a specific social issue. They will create, prototype, and measure scalable solutions that attract and engage relevant communities and networks in challenging the status quo and making change.

Prerequisite: Social Innovation 3303 or 3305 or the consent of the department.



SINV 5010 – Social Enterprising

(3 credits) 3 hours lecture

This course introduces you to social enterprise thought leaders and organizations, a world that is increasingly integrated with social, private, public, and Indigenous communities. The organizational structures we will study throughout the semester will include for-profits, not-for-profits, BCorps, cooperative models, and Seven Generations economies. While the structures may vary, they collectively share a desire to transform communities and create social impact.

Prerequisite: Social Innovation 4402 or the consent of the department.



SINV 5405 – Social Innovation Strategy and Action (formerly SINV 4405)

(3 credits) 3 hours lecture

This capstone course introduces the fundamentals of strategic planning and transformative values-centred management for projects in the business sector, the public sector, organizations participating in the social economy, Indigenous economies, or social innovation start-ups. A variety of perspectives, models and approaches are presented. Factors such as organizational leadership, culture, complexity and dynamic issues external to the organization are covered.

Prerequisites: Social Innovation 3305 or consent of the department.

SOCIAL SCIENCE (SOSC)

SOSC 0130 – Ideology and the Canadian Historical Perspective

(0 credits) 3 hours lecture

This course examines multiple ideologies, with particular emphasis on the principles of liberalism and the evolution from classical to modern liberalism. Further, the course interprets the effect of ideology on the development of Canada and the influence of disparate groups, including Indigenous, Francophones, and Anglophones, in the post-Confederation period. Significant Canadian people and economic, social, and political events will be studied in a chronological format, and consideration will be given to various perspectives including gender, religious, spiritual, regional, environmental, cultural, language, sexual and other identities.

Corresponding Alberta High School Equivalent: Social Studies 30-1.

SOCIAL WORK (SLWK)

SLWK 1114 – Introduction to Social Work Practice

(3 credits) 3 hours lecture

This course provides an introduction to all aspects of Social Work practice from a generalist perspective. Social Work principles, ethics, theories and models of practice are discussed, while an understanding of oppression and social justice are emphasized.

SLWK 1187 – Social Welfare Policies and Issues

(3 credits) 3 hours lecture

This course examines the evolution of the Welfare State and how social welfare policy is developed. The course will review and analyze contemporary social problems, policies and issues relevant to Social Work practice in the context of social justice and advocacy for change.

SLWK 1215 – Social Work Methods

(3 credits) 3 hours lecture

This methods course provides students with an opportunity to develop the knowledge, skills and attitudes to assess client needs and to implement a social work model of intervention.

Prerequisite: Social Work 1114.

SLWK 1216 – Counselling Skills

(3 credits) 3 hours lecture

This course concentrates on the development of social work interviewing and counselling skills, emphasizing strengths-based practice. It is experiential, and students will be required to participate in simulated counselling interviews.

Prerequisites: Interdisciplinary Studies 1240 and Social Work 1114.

SLWK 1287 – Social Work Practicum I

(6 credits) 3 hours tutorial biweekly, 350 hours practicum

Social Work Practicum I provides students with an opportunity to experience direct practice with individuals, groups, or communities. Practicum is intended to expose students to the complexity of practice issues related to work in human services and to view social issues from a social work perspective. During this first practicum experience students are expected to integrate learning from their first year courses with a focus on the application of social work skills, values and ethics. Students are challenged to examine how their social location influences their assessments of client situations and their work with clients or client groups. Students are expected to demonstrate a beginning understanding of social work as a distinct profession.

Prerequisites: Interdisciplinary Studies 1240, Social Work 1114 and 1187.

SLWK 2217 – Leadership in Human Service Organizations

(3 credits) 3 hours lecture

Human service organizations require strong and effective leadership. This course will provide students with an understanding of how to organize and lead human service agencies and programs in order to provide a healthy working environment that promotes effective service provision focused on client empowerment.

Prerequisite: Social Work 1287.

Recommended: Social Work 2221.

SLWK 2218 – Social Work with Groups

(3 credits) 3 hours lecture

This course is designed to develop social work skills for working with groups through a combination of lectures, observation, and experiential learning. The stages of group development, group roles and norms, theoretical frameworks, intervention, group design, implementation and evaluation will be addressed.

Prerequisite: Social Work 1216.

SLWK 2221 – Community Development

(3 credits) 3 hours lecture

This course provides students with an opportunity to develop beginning skills in community organization and development. The focus of the course is on practice rather than theory and students will be evaluated on their ability to practice social work with a community as a client.

Prerequisite: Social Work 1114 and 1187.

SLWK 2222 – Social Work with Families

(3 credits) 3 hours lecture

This course is designed to provide students with a framework for beginning to work with diverse families. The course will help students develop an understanding of the interactive influence of families, individuals, and society, as well as gain an appreciation of the diversity of family dynamics. Students will learn how to engage and assess families as well as apply effective interventions to support them in developing strengths.

Prerequisites: Social Work 1215 and 1216.

SLWK 2223 – Social Work and Mental Health

(3 credits) 3 hours lecture

This course provides students with an understanding of the many interrelated factors that affect individuals' mental health. The role of social workers in working with mental health consumers and understanding and addressing mental health issues, across the range of social work practice is examined.

Prerequisites: Social Work 1114 and 1215.

SLWK 2224 – Practicing Social Work from a (Canadian) Indigenous Perspective

(3 credits) 3 hours lecture

This course provides first year social work students with an introductory understanding of Indigenous ways of knowing and helping. Important themes and topics covered include: traditional Indigenous lifeways and worldviews including role of spirit, significance of relationships, connection to the past, emphasis on community, respect for cultural practices, and the role of Elders within Indigenous helping practices.

SLWK 2297 – Social Work Practicum II

(6 credits) 3 hours tutorial biweekly, 350 hours practicum

Social Work Practicum II builds on the skills and knowledge from Social Work Practicum I with a goal of exposure to and involvement in more complex practice situations. Students integrate social work theories and methods in work with individuals, families, groups, and/or communities. Students are expected to demonstrate social work practice skills related to assessment, shared participation in the client change process, and interventions with a variety of client groups. Reflective practice and a focus on professionalism, social work ethics, and the standards of practice contribute to the continued development of social work identity.

Prerequisite: Social Work 1287, 2218, 2222 and one of Social Work 2221 or Interdisciplinary Studies 3331.

SLWK 3301 – Child and Adolescent Mental Health

(3 credits) 3 hours lecture

This course provides students with an understanding of the many issues that affect the mental health of children and adolescents including knowledge of the major mental disorders, factors contributing to these disorders, and therapeutic interventions. The course also looks at the environments that optimize mental health and resiliency.

SLWK 1199, 1299 – Directed Readings

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

SOCIOLOGY (SLGY)**SLGY 1101 – Introduction to Sociology**

(3 credits) 3 hours lecture

This course introduces students to the discipline of Sociology. Sociology is the study of social life in all its forms. A variety of topics within the discipline will be explored throughout this course, such as social theory, social research methods, culture, with a strong focus on gender, sexuality, class, and racial inequality.

**SLGY 2131 – Classical Sociological Theory (formerly SLGY 3331)**

(3 credits) 3 hours lecture

This course offers students an overview of the development of sociological theory with emphasis on the period from the nineteenth century to the Second World War. Theorists such as Marx, Durkheim and Weber will be reviewed and analyzed.

Prerequisites: Sociology 1101.

SLGY 2218 – Deviance and Society

(3 credits) 3 hours lecture

Deviance is an area within sociology referring to any behaviour, belief system, physical characteristic, symbolic representation, or group affiliation which may mark people as wrong, immoral, criminal, mentally unstable, subhuman, or otherwise. In general, deviance goes against cultural norms and expectations. This course explores such phenomena and students will learn to approach them theoretically.

Prerequisite: Sociology 1101.

SLGY 2229 – Crime and Society

(3 credits) 3 hours lecture

This course serves as an introduction to the sociological study of crime. The goal is to critically assess crime as it intersects with race, class, and gender. Students will become familiar with classical and contemporary theories of crime as well as strategies toward rehabilitation or social change.

Prerequisite: Sociology 1101.

SLGY 2232 – Introduction to Sociological Research Methods

(3 credits) 3 hours lecture

This course is an introduction to the practice and principles of social research. Students will learn about the assumptions, dilemmas, choices, and practices associated with both qualitative and quantitative sociological research. Students will be required to undertake a project and to interpret research findings from an informed perspective.

Prerequisite: Sociology 1101.

SLGY 2233 – Sociology of Gender

(3 credits) 3 hours lecture

Gender operates on four dimensions in Canadian society: within individuals; through interaction with others; in the features of social institutions such as work, law, and family; and in the norms and values that shape the socio-cultural landscape. This course will introduce students to gender on each of these dimensions.

Prerequisite: Sociology 1101.

SLGY 2235 – Sociology of Health and Illness

(3 credits) 3 hours lecture

This course examines health, illness, and health care systems from a critical and structural perspective. Students will examine how various understandings of health and illness, and the institutions that monitor them, have emerged and changed geographically and historically. In addition, issues such as viability of the Canadian public health care system and privatization will be discussed.

Prerequisite: Sociology 1101.

SLGY 2253 – Urban Sociology

(3 credits) 3 hours lecture

The course introduces students to the field of urban sociology. Through a focus on social interaction, students will investigate how power and inequality are produced, reproduced and also destabilized in urban social spaces. Specific topics that will be covered include theories of the city, urban ethnography, urban subcultures, forms of urban social resistance and urban design and control.

Prerequisite: Sociology 1101.

SLGY 2255 – Environmental Sociology

(3 credits) 3 hours lecture

In this introduction to the sociological study of environmental issues, students will learn about the relationship between human society and the environment from a critical, anti-racist, eco-feminist perspective, with a focus on environmental justice and environmental movements. Students will also consider the relationship and tensions between capitalism and the environment.

Prerequisite: Sociology 1101 or consent of the department.



SLGY 2265 – Social Stratification and Inequality

(3 credits) 3 hours lecture

This course introduces theories of stratification and inequality and explores different types of social stratification systems. There is an emphasis on the forces that contribute to the maintenance and disruption of social inequality. The focus is primarily on social inequality in Canada but cross cultural and global inequality will also be considered.

Prerequisite: Sociology 1101.

**SLGY 2271 – Sociology of Families**

(3 credits) 3 hours lecture

This course offers a sociological investigation into families. The focus will be on theories of family and the social history of families. Some specific topics covered include the structure and function of families, family systems, family life stages (dating, marriage, parenting and old age), diverse family forms, and problems in family life such as violence and divorce.

Prerequisite: Sociology 1101.

**SLGY 2273 – Sociology of Aging**

(3 credits) 3 hours lecture

Individuals experience changing roles, activities, and relationships as they age. In addition, population aging, caused by declining birthrates and increasing life expectancies, has profound implications for social structures, norms, and values. This course examines the social aspects of both individual and population aging.

Prerequisite: Sociology 1101.

**SLGY 2275 – Theories of “Race” and Ethnicity**

(3 credits) 3 hours lecture

This course engages in a critical historical/theoretical investigation of the race concept. The focus is on race and ethnicity as experienced in everyday life. There is strong emphasis on reading and evaluating scholarly work on race/ethnicity and, in particular, on racism. While race and ethnic oppression are stressed, forms of resistance to racism and collective solidarity based on anti-racist organizing are also explored.

Prerequisite: Sociology 1101.

**SLGY 2277 – Sociology of Religion**

(3 credits) 3 hours lecture

This course offers an introduction to sociological concepts and theories in the study of religion. Questions about the structure of religious organizations, creation of meaning, secularization and religious diversity will be addressed.

Prerequisite: Sociology 1101.

**SLGY 3233 – Sociology of Sexualities**

(3 credits) 3 hours lecture

This course examines sexualities through a critical sociological lens. The goal is to track how and why the predominant conceptions of sexuality have been constructed, with particular attention to the role of binary sexualities and subsequent concepts of ‘deviation,’ as well as how sexuality is used in and by mechanisms/institutions of power.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3304 – Social Movements

(3 credits) 3 hours lecture

This course introduces students to the field of social movements. It examines how contemporary social movements have in some ways continued and in other ways transformed our understanding of sociological concepts and issues such as gender and racial inequality/diversity/solidarity, modes of protest and social change, and the politics of culture.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3309 – The Sociology of the Body

(3 credits) 3 hours lecture

This course focuses on matters of the body which affect social life. Through an examination of theoretical articles upon such topics as race, gender, disease, sexuality, smell, and appearance, we will learn about the many ways perceptions of bodies affect our lives and how society in turn defines and influences appearance and behaviour.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3321 – Quantitative Methods

(3 credits) 2 hours lecture, 1 hour tutorial

This course focuses on the development of quantitative analytical skills in sociology. Students will answer sociological questions through computerized analysis of survey data. They will also be required to interpret the output from quantitative analyses and to discuss how their findings inform relevant sociological debates. Specific procedures covered include t-tests, correlation, and regression methods.

Prerequisite: Sociology 2232 or consent of the department.

Note: Required course for sociology major and honours students.

SLGY 3323 – Qualitative Research Methods

(3 credits) 2 hours lecture, 1 hour tutorial

This course presents an overview of qualitative methods in sociological research. Students will examine the strengths and weaknesses of qualitative methods such as interviewing techniques, fieldwork, and the case study approach, as well as how their lives - as researchers - intersect with and influence the people and situations they study.

Prerequisite: Sociology 2232.

SLGY 3333 – Contemporary Social Theory

(3 credits) 3 hours lecture

This course explores several major currents of contemporary social thought since the World War Two era. Some of the theoretical perspectives that will be investigated are Western Marxism, Post-Structuralism, Post-Modernism, and theories of Globalisation/Post-Colonialism. These will be explored through their applicability to sociological issues of interest, such as subjectivity, agency/structure, power, and modernity.

Prerequisite: Sociology 2131.

SLGY 3335 – Gender and Work

(3 credits) 3 hours lecture

Gender has a profound impact on the opportunities and experiences of individuals in both paid and unpaid work. This course will analyze the socially constructed, gendered nature of men's and women's work.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3345 – Mass Communication

(3 credits) 3 hours lecture

This course engages in an analysis of the pervasive presence of mass media in modern society and the many ways that various forms of media representation intersect with mass audiences. An overview of the development of modern media is extended to include a summary of the key perspectives on media texts and how they position the audience.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3351 – Sociology of Economic Life

(3 credits) 3 hours lecture

Using a sociological lens to examine markets, networks, social stratification, economic development and globalization reveals ways in which these diverse economic phenomena are embedded in societies. In addition, the sociological approach reveals how consumption is connected to status symbols, how gender affects work and pay, and how international production and trade can challenge national sovereignty.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3370 – The Socialized Self**(3 credits) 3 hours lecture**

Drawing on a number of interpretive sociological perspectives, this course explores the process of socialization and the related process of the development of the self. Key concepts in the study of socialization such as role, identity, institution and ideology will be critically investigated, as will the role of socialization processes in the perpetuation of inequality and domination.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3372 – Sociology of Violence**(3 credits) 3 hours lecture**

This course is designed to encourage students to question and examine how our ability and inability to understand violence shapes the manner in which it is analyzed, and both legitimated and de-legitimated on academic, social, political and cultural levels. Violence will be examined sociologically as it relates to social relations, religion, gender, identity, and culture.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 3731 – Selected Topics: Social Issues**(3 credits) 3 hours lecture**

This advanced seminar introduces students to pressing and timely social issues and problems. It may focus on a variety of themes, for example: environmental issues, white collar crime, urban sustainability, war and genocide, or social movements.

Prerequisite: One of Sociology 2131, 2218, 2229, 2232, 2233, 2235, 2253, 2255, 2265, 2271, 2273, 2275, or 2277.

SLGY 4203 – Sociology of Food**(3 credits) 3 hours lecture**

This course introduces students to the significance of the relationships between food, people and society. Even though eating is an individual choice it is affected by society at large. Thus we will explore the social, economic, political, and symbolic dimensions of food systems and food behavior to gain a better understanding of the social determinants of food and eating. The primary aim of this course is to help students understand social inequality through the lens of food.

Prerequisite: One of Sociology 3233, 3304, 3309, 3321, 3323, 3333, 3335, 3345, 3351, 3370, 3372, or 3731.

SLGY 4411 – Sociology of Disaster**(3 credits) 3 hours lecture**

This course is an introduction to the sociological study of disasters and their effect on human populations. The goal of the course is to understand how floods, hurricanes, heat waves, oil spills and other catastrophic events provide a “strategic research site” where we can refine our ideas and assumptions about social life and inequality.

Prerequisite: One of Sociology 2131, 3233, 3304, 3309, 3321, 3323, 3333, 3335, 3345, 3351, 3370, 3372, or 3731.

SLGY 4415 – (De)Constructing Health and Medicine**(3 credits) 3 hours lecture**

This course examines the changing conceptions of medicine and medical knowledge. More specially, it looks at how health, illness, and disease are defined and the implications of such representations and understandings. Particular attention is given to the ways in which medical knowledge invokes, represents, and implicates gender, race, class and sexuality.

Prerequisite: One of Sociology 2131, 3233, 3304, 3309, 3321, 3323, 3333, 3335, 3345, 3351, 3370, 3372, or 3731.

SLGY 4419 – Mind and Society**(3 credits) 3 hours lecture**

Drawing on existential sociology and related perspectives (e.g., phenomenology and symbolic interactionism) and insights from the Sociology of Knowledge, this course critically examines one of the most elusive of sociological phenomena, the “mind” and how this social construct is intimately linked to the patterns we perceive as “society”.

Prerequisite: One of Sociology 2131, 3233, 3304, 3309, 3321, 3323, 3333, 3335, 3345, 3351, 3370, 3372, or 3731.

SLGY 4421 – Economic Development and Social Change**(3 credits) 3 hours lecture**

This course examines the processes of global economic development and social change through a comparative historical lens. It pays particular attention to how the conceptualization of development has varied according to changing societal conditions. The course also explores the controversies within sociology on how best to achieve progressive national development.

Prerequisite: One of Sociology 2131, 3304, 3309, 3321, 3323, 3333, 3335, 3345, 3351, 3370, 3372, or 3731.

SLGY 4431 – Structure and Subjectivities**(3 credits) 3 hours lecture**

Located in the debates between micro and macro theories of society, this course explores the connections between structure and agency through the ways in which the self is constructed. The goal is to understand how our sense of self is constituted to allow governance, but also to allow agency in the form of resistance.

Prerequisite: Any one of Sociology 3233, 3309, 3321, 3323, 3333, 3351, 3370, or consent of the department.

SLGY 4435 – Feminist Theories**(3 credits) 3 hours lecture**

This advanced theory course examines a range of feminist theories. The contents of this course will speak back to and disrupt the sociological canons. Students of this course will engage with theoretical works traditionally excluded from the realm of sociological theories.

Prerequisite: Sociology 2233.

SLGY 4731 – Selected Topics: Inequality**(3 credits) 3 hours lecture**

This advanced seminar examines the creation and maintenance of inequality, as well as actions for ameliorating its negative effects. It may focus upon a variety of themes, such as, global gender inequality, demographic inequality, and fair-trade initiatives. Students will consider both the degree of inequality and its existence as an unintended consequence of social arrangements.

Prerequisite: One of Sociology 2131, 3233, 3304, 3309, 3321, 3323, 3333, 3335, 3345, 3351, 3370, 3372, or 3731.

SLGY 4733 – Selected Topics: Social Theory**(3 credits) 3 hours lecture**

This advanced course examines relevant currents in social theory. It deeply delves into theoretical ideas that underpin and shape sociological understandings of the social world. Students will critically examine the construction of theory, explore its limitations, and analyze the ways in which theory comes to form the basis of the sociological imagination.

Prerequisite: Sociology 3333 or consent of the department.

SLGY 5010 – Intersections in Social Life**(3 credits) 3 hours seminar**

This seminar-based course gives students an opportunity to assess the interlocking nature of the forces of social domination such as class, race, gender, sexuality, religion, and politics. Students will investigate such intersections in social life through critical reading and writing and through engagement with the process of individual and collective reflection.

Prerequisites: Sociology 3321, 3323 and 3333.

SLGY 5110 – Honours Research I**(3 credits)**

Students of Sociology 5110, working under the one-on-one supervision of a full-time faculty member, will develop and publicly present a research proposal to engage in sociological inquiry. The proposed project plan will be carried out in the second required course for the Sociology Honours stream, Sociology 5120.

Prerequisites: Sociology 3321, 3323 and 3333.

Note: Restricted to students officially admitted and registered in the Sociology Honours Program.

SLGY 5120 – Honours Research II

(3 credits)

Students of Sociology 5120, working under the one-on-one supervision of a full-time faculty member, will execute the proposed project plan developed in Sociology 5110 (Honours Research I). In this research project, the student, in consultation with a supervisor, will engage in original sociological inquiry culminating in an honours thesis and presentation.

Prerequisite: Sociology 5110.

Note: Restricted to students officially admitted and registered in the Sociology Honours Program.

SLGY 3199, 4199 – Directed Readings

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

SPANISH (SPAN)

Students with previous knowledge of Spanish are required to contact the Department of English, Languages, and Cultures in order to take a placement test to determine the appropriate course level prior to registering in a Spanish course.

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 reserves the right to place students in the language course that is appropriate to their level of language proficiency. Students who register in a course that is not appropriate to their level of language proficiency, as determined by the Department of English, Languages, and Cultures, may be deregistered from the class without prior knowledge.

SPAN 1101 – Beginners' Spanish I

(3 credits) 4 hours lecture, 1 hour lab

This course offers a comprehensive introduction of the Spanish language to students with no prior knowledge. It includes training in listening, speaking, reading and writing of Spanish in its cultural context.



Note: May not normally be taken for credit by students with Spanish 30 or equivalent.

SPAN 1103 – Beginners' Spanish II

(3 credits) 4 hours lecture, 1 hour lab

This course is intended for students continuing from Spanish 1101. Students will develop basic communicative skills as well as further develop skills in reading, writing, listening and speaking Spanish.

Prerequisite: Spanish 30 or 1101 or equivalent.

**SPAN 2211 – Intermediate Spanish I**

(3 credits) 4 hours lecture, 1 hour lab

This course builds on basic knowledge and skills. It offers further development of communication skills in Spanish as well as the study of some cultural aspects of the Spanish-speaking world.

Prerequisite: Spanish 1103 or consent of the department.

**SPAN 2213 – Intermediate Spanish II**

(3 credits) 4 hours lecture, 1 hour lab

This course is the continuation of Spanish 2211. It deals with more difficult and complex grammatical structures and also provides further study of social and cultural aspects of the Spanish-speaking world.

Prerequisite: Spanish 2211 or consent of the department.

**SPAN 2219 – Contemporary Spanish Culture and Society**

(3 credits) 3 hours lecture

This course offers an introduction to contemporary Spanish culture and society, from the economic modernization in the 1960's to modern times. Students will explore topics ranging from race, nationalism and identity, to gender and faith. They will also learn about the importance of place, home life, schooling and the workplace.

Note: This course is taught in English; no knowledge of Spanish is required.

**SPAN 2220 – Ibero-American Cinema**

(3 credits) 3 hours lecture

This course surveys the history, growth, singularity, and cultural impact of Iberian and Latin American cinemas in the world. Several films, documentaries, and/or shorts will be analyzed in class. Specific Hispanic cinema terminology (e.g. 'imperfect cinema'; the aesthetics of hunger, and Third World Cinema) will be employed in order to understand the New Latin American Cinema movement and the "latino-Spanishness" through film.

Note: This course is taught in English; no knowledge of Spanish is required.

**SPAN 2221 – Contemporary Hispanic Cultures and Oral Practice**

(3 credits) 3 hours lecture

This course explores specific features of the various Hispanic cultures in contemporary society. It offers a study of current issues in the Hispanic world as seen through a variety of sources such as short stories, articles, video programs and the web. Students are given opportunities to develop their oral skills by making presentations and participating in guided interactions. They can also further develop their writing skills through directed writing practice on the topics and issues analyzed in class.

Prerequisite: Spanish 2211 or consent of the department.

**SPAN 2223 – Introduction to Textual Analysis and Composition**

(3 credits) 3 hours lecture

This course focuses on the development of writing skills through an analysis of cultural readings taken from journalistic, scientific and literary texts as well as from other media. Students will learn composition strategies and how to apply them in their writing. Various styles will be explored in class, including dialogues, summaries, narrations and essays.

Pre or Corequisite: Spanish 2211 or consent of the department.

**SPAN 3305 – High Intermediate Spanish**

(3 credits) 3 hours lecture

This course provides students with the opportunity to attain a high-intermediate level of language proficiency and to gain a more in depth understanding of Hispanic cultures. The main focus is on the exploration and analysis of oral and written contemporary texts from the Spanish-speaking world. A strong emphasis is placed on vocabulary enrichment, grammatical accuracy as well as the improvement of oral and written discourse.

Prerequisites: Spanish 2213 and 2223 or consent of the department.



SPAN 3309 – Critical Thinking in Spanish

(3 credits) 3 hours lecture

This course is designed to develop students' critical thinking in Spanish. Students learn techniques for analyzing, comparing, summarizing and persuading in the target language. They explore, discuss and reflect on cultural issues in literary texts and other sources dealing with journalistic, social and political current events. A strong emphasis is placed on learners' development of language proficiency in terms of listening, speaking, reading and writing skills.

Prerequisites: Spanish 2213 and 2223 or consent of the department.

**SPAN 3312 – Hispanic Cinema**

(3 credits) 3 hours lecture

This course provides an introduction to Hispanic Cinema from Spain, Latin America, and the US. Students will further their development of Spanish language proficiency through the discussion and analysis of Hispanic cultures, historic events and sociopolitical currents as they are represented in film.

Prerequisites: Spanish 2213 and 2223 or consent of the department.

**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 3327 – Select Topics in Language, Literature and Culture**

(3 credits) 3 hours lecture

This course engages students in the study of the language, literature and culture of the Hispanic world. Select topics may include Latino culture and literature in the USA, Spanish American Foundational novels, transatlantic texts, bilingualism, Spanish for specific purposes, among others.

Prerequisite: 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. 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 2213 and 2223 or consent of the department.

**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 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 3309 or consent of the department.

**SPAN 4401 – Advanced Spanish**

(3 credits) 3 hours lecture

Grammar will be studied based on the analysis of its use in social and literary texts. Students will develop critical reading and thinking skills, and also work on effective oral and written communication.

Prerequisites: Spanish 3305 and 3309, and two of Spanish 3312, 3313, 3315, 3317, 3319, 3331, 3335, 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.

**SPAN 4421 – Spanish Pragmatics and Instruction**

(3 credits) 3 hours lecture

This course is an introduction to Pragmatics and Discourse Analysis as they relate to second language teaching and learning. It explores the nature of oral communication and a functional linguistic view of language. It also focuses on the practicalities of selecting and producing teaching materials to develop pragmatic language ability in beginner and intermediate Spanish second language learners.

Prerequisite: Spanish 4413 or consent of the department.

**SPAN 4431 – Business Spanish II**

(3 credits) 3 hours lecture

This course is a continuation of Business Spanish I. It provides students with a more in-depth foundation in business language, and introduces cultural concepts that will help them function in today’s Spanish-speaking business world. Students will critically analyze authentic scenarios and gain an understanding of business cultural practices in Spain and Latin America.

Prerequisite: Spanish 3331.

SPAN 4435 – Translation II

(3 credits) 3 hours lecture

This course is a continuation of Spanish 3335 – Translation I. It offers students the opportunity to enhance their translation skills by means of intensive practice in the translation of more complex short texts in various fields. Students will critically examine and compare published translations and will do Spanish to English and English to Spanish translations.

Prerequisite: Spanish 3335 or consent of the department.

**SPAN 3199, 4199 – Directed Readings**

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

SPEECH (SPCH)**SPCH 1120 – Accent Modifications**

(3 credits) 3 hours lecture

This course is designed for students whose first language is not English and who need the skills to be understood and to communicate effectively. Students will learn individual speech sounds, sound combinations, vocabulary and pronunciation. They will practice delivery techniques to develop a fluent, expressive oral presentation in English.

SPCH 2001 – Introduction to Public Speaking

(3 credits) 3 hours lecture

This course provides an introduction to current theories of communication. An understanding of effective communication and its potential is promoted through participation in a variety of speaking situations. Opportunity is given for group discussion; audience analysis; development of good listening habits and how to research, organize and prepare various types of speeches.

**SPCH 2003 – Delivery Techniques for Presentation**

(3 credits) 3 hours lecture

This course is designed to develop vocal techniques and polish fundamental delivery skills. Specifically it provides the student with skills in voice, verbal and non-verbal delivery, including; breathing, resonance, tone, articulation, vocal variety and body language. Practice will include voice testing, manuscript reading, memorization and group presentation.

**SPCH 2005 – Oral Tradition, Narration, and Story-Telling**

(3 credits) 3 hours lecture

Students will develop skills in storytelling by examining the elements of communication essential to the storytelling event. This performance based class will focus on developing the visual and aural elements necessary to share the narrator’s words and illustrate the images in the story. Vocal expression, characterization and body language, including gesturing and facial expression, will be studied.

SPCH 2007 – Professional Speaking

(3 credits) 3 hours lecture

This course in Public Speaking will concentrate on the development of the student’s presentation style in the business arena. Emphasis is on the diversity of verbal and non-verbal delivery techniques in various situations including; interviews, business proposals, report reading, internet conferencing, impromptu speaking, training presentations and group forum.

**SPCH 3001 – Persuasive Speaking**

(3 credits) 3 hours lecture

This course is designed for the advanced speaker who wants to develop the art of persuasion further. Students will learn techniques for developing subject matter for different types of persuasive speeches, reasoning, ethics, and the necessary delivery techniques needed to convince, motivate, market, and sell ideas and products with greater success.

Prerequisite: Speech 2001.

**SPCH 3009 – Great Speakers, Great Speeches (formerly SPCH 2009)**

(3 credits) 3 hours lecture

Students will discover how, from the inception of democracy to modern times, society has been shaped and influenced by oratory and rhetoric. Drawing on the components of the art of rhetoric, and using classical, literary, and political examples, the course will investigate and analyse the speaking styles of great speakers and their speeches, and their effects on the values, beliefs, and identities of cultures and societies.

Prerequisites: General Education 1401, 1403, or 1404.

**SPCH 1199, 1299 – Directed Readings**

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

SPORT AND RECREATION MANAGEMENT (SRMG)

SRMG 1400 – Organization and Administration of Sport (formerly HPED 1400)

(3 credits) 3 hours lecture

This course provides an examination of the role, function and relationships of the administrator of athletic programs, their responsibilities to the athlete, coach, spectators, sponsor and the program. It is designed to give a philosophical overview as well as practical administrative skills to the sports and athletic program administrator.

SRMG 2400 – Commercial Recreation (formerly HPED 2400)

(3 credits) 3 hours lecture

This course is an investigation of the many providers of commercial recreation services.

SRMG 2440 – Community Development (formerly HPED 2440)

(3 credits) 3 hours lecture

This course examines the model of community development and how it is used to empower individuals and communities. The recreation practitioner as a facilitator of community action will be the focus.

Prerequisite: Health and Physical Education 1640.

SRMG 3400 – Facility and Event Management (formerly HPED 3400)

(3 credits) 3 hours lecture

This course focuses on both the facility development and management of facilities including a focus on strategies for organizing and managing special events. This course will provide a viable and practical how-to approach to facility management, development, and the organization of special events in physical activity and sport.

SRMG 5400 – Issues in Sport and Recreation Management (formerly HPED 5400)

(3 credits) 3 hours lecture

This course addresses the constantly evolving nature of the field of sport and recreation. Students will research, study and discuss the issues and trends that impact the profession. To successfully meet the requirements of this course, students must demonstrate an ability to review and critique examples of research related to the field.

Prerequisites: Health and Physical Education 3050 or Physical Education 3150 or consent of the department.

UNDERGRADUATE STUDIES (UGST)

UGST 1001 – Effective Learning in the Undergraduate Context

(3 credits) 3 hours lecture

Effective Learning in the Undergraduate Context provides students with opportunities to increase their knowledge of effective learning, enhance their use of strategies, and reflect on their learning. Activities and assignments in a collaborative classroom setting will facilitate the application of concepts from research to the students' own learning.

UGST 1002 – Change, Challenge and Choice: The University Context and Beyond

(3 credits) 3 hours lecture

This course presents current research and strategies related to effective coping in a rapidly-changing world. Topics such as stress, effective coping, relating and working well with others, and putting change in perspective are included. Lectures, discussions, and assignments are intended to emphasize the applicability of what students are learning to experiences they are likely to encounter during their lives, and particularly as students in the university setting.

UGST 1003 – Introductory University Mathematics: An Invitation to Effective Thinking

(3 credits) 3 hours lecture

This course provides an introduction to mathematical reasoning, focusing on effective thinking and problem solving. The topics covered, such as Number Contemplation, Infinity, Geometry, Probability and Risk, will cultivate students capacities for mathematical thinking.

UGST 1004 – Financial Literacy and the Law in Student Life (3 credits) 3 hours lecture

This course introduces students to the fundamentals of personal finance, risk management, and the Canadian legal system. Topics covered will be principles for managing personal finance, including tuition, tax strategies, student loans, credit, insurance, and property ownership; and legal concepts, including contracts, bankruptcy, and basic rights and responsibilities of, and entitlements flowing from, citizenship. This course aims to develop and enhance a student's knowledge, discipline, and capacity for effective decision-making in financial and legal matters during and beyond the university experience, regardless of the student's field of study and future career.

WOMEN'S & GENDER STUDIES (WGST)

WGST 1172 – Introduction to Women's & Gender Studies (formerly WMST 1172)

(3 credits) 3 hours lecture

An interdisciplinary study of major gender issues confronting Canadians. Topics may include: Canadian feminist movements in historical perspective, health, sexuality, work issues (such as equal pay, unemployment, pensions and the impact of technology), family issues and the gendered dynamics of Canadian politics.



WGST 2205 – Global Gender Issues (formerly WMST 2205)

(3 credits) 3 hours lecture

An interdisciplinary study of gender issues in a global context. Themes may include the impact of economic globalization; citizenship, migration and refugee issues; the global sex industry; women and HIV; militarization and nationalism; and, transnational feminist alliances for social change.

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



WGST 2207 – Contemporary Issues in Women's & Gender Studies (formerly WMST 2207)

(3 credits) 3 hours lecture

A survey and analysis of gender issues in their contemporary social context. Topic(s) and theme(s) will vary by term and instructor.

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



WGST 2221 – Women and Health (formerly WMST 2221)

(3 credits) 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 & Gender Studies 1172 or any 2000 level Women's & Gender Studies course.



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

(3 credits) 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 & Gender Studies 1172 or any 2000 level Women's & Gender Studies course.



WGST 2283 – Women and Aging (formerly WMST 2283)

(3 credits) 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 & Gender Studies 1172 or any 2000 level Women's & Gender Studies course.



WGST 3301 – Feminist Theories (formerly WMST 3301)

(3 credits) 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 & Gender Studies 1172, 2205, 2221, 2239, 2283 or 3302.

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

WGST 3302 – Feminist Research and Methods (formerly WMST 3302)

(3 credits) 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 & Gender Studies 1172.

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

WGST 3309 – Contemporary Feminist Debates (formerly WMST 3309)

(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 & Gender Studies 1172, 2205, 2221, 2239, 2283.



WGST 3310 – Colonization/Decolonization (formerly WMST 3310)

(3 credits) 3 hours lecture

This course uses gender-based analysis and a mixture of feminist, postcolonial, Marxist and psychoanalytic theory to examine nineteenth and twentieth century colonialism and decolonization efforts. Among the key themes explored in the course are the gendered characteristics of imperial conquest, racial fetishism, technologies of violence, and gender and nationalism.

Prerequisite: Women's & Gender Studies 1172.



WGST 3311 – Gender, Race & Representation (formerly WMST 3311)

(3 credits) 3 hours lecture

Using a combination of feminist critical race and post-colonial theoretical approaches, this course will examine how racialized gender identities are constructed, contested and negotiated in and through Canadian popular culture. Various strategies aimed at challenging dominant codes of intercultural representation will be considered in terms of their potential to foster more empowering identities for people of colour.

Prerequisite: One of Women's & Gender Studies 1172, 2205, 2239 or consent of the department.



WGST 3345 – Sex, Gender and the Body (formerly WMST 3345)

(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 & Gender Studies 1172 or any 2000 level Women's & Gender Studies course.



WGST 3346 – Gender, Culture and Technology (formerly WMST 3346)

(3 credits) 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 & Gender Studies 1172 or any 2000 level Women's & Gender Studies course.



WGST 3850 – Advanced Special Topics in Women's & Gender Studies (formerly WMST 3850)

(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 & Gender Studies 1172, 2205, 2221, 2239, 2283.



WGST 4401 – Advanced Studies in Feminist Theories (formerly WMST 4401)

(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 & Gender Studies 3301 or 1172 and one of Women's & Gender Studies 2205, 2221, 2239, 2283 or consent of the instructor.



WGST 3199, 4199 – Directed Readings

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

OCCUPATIONAL PROGRAM COURSES

These courses are available only to those registered in the Embalmer certificate, Funeral Director certificate, Funeral Service diploma, Massage Therapy diploma, Massage Therapy certificate or the Personal Fitness Trainer diploma.

FUNERAL SERVICES (XFDC)

XFDC 20001 – Funeral Directing I

48 hours online

This course will provide an introduction to funeral directing, including the history of funeral service, the role and profession of the funeral director and laws and regulations governing the profession. The roles of the Medical Examiner, police, and health care facility will be examined and the requirements of a first call situation and body transfer will be studied.

XFDC 20002 – Embalming Theory I

48 hours online

Embalming Theory I will include the study of health and safety issues including infectious agents, the chain of infection, disinfection, exposure and follow-up requirements. The death process, ante-mortem and post-mortem changes will be studied. The embalming process and procedures will be studied including the use of chemicals and hazardous waste."

XFDC 20004 – Funeral Directing II

48 hours online

This course will examine contemporary funeral practices and traditions related to a variety of religions and cultures. Various protocols for military and government funerals will be studied as well as the requirements for individuals with special needs. Funeral arrangements from first call through post-funeral follow-up will be studied in detail.

Prerequisite: Funeral Services 20001 with a minimum grade of C.

XFDC 20005 – Embalming Theory II

48 hours online

Embalming Theory II will build on the principles of Embalming Theory I examining the specific situations including effects of long term illness and trauma on the body, autopsy, and the decomposition process. Skills such as suturing and care of body fluids will be studied.

Prerequisite: Funeral Services 20002 with a minimum grade of C.

XFDC 20007 – Restorative Art I

16 hours online

Restorative Art I will begin the study of facial reconstruction and restoration. Facial and cranial proportions and suturing skills as related to facial reconstruction will be studied. The use of various chemicals, art materials and art instruments will be examined in relation to preparation of the deceased for viewing.

Prerequisite: Funeral Services 20002 with a minimum grade of C.

XFDC 20008 – Funeral Directing III

32 hours online

The funeral service is studied in detail including preparation, roles and responsibilities of various staff, cortege and graveyard services. Aftercare services for bereaved families will be discussed including wills, estates and application for benefits. Special topics inherent to the industry such as cremation, pre-need sales, self-care, conducting complex funerals and disaster management will also be studied.

Prerequisite: Funeral Services 20004 with a minimum grade of C.

XFDC 20010 – Restorative Art II

20 hours lecture

Building on principles studied in Restorative Art I, this course emphasizes the restructuring of various facial features for cosmetic purposes. Special skills involving the use of wax modeling, tissue building and bleaching techniques will be included. Students residing outside of Calgary complete course at an Intensive Institute.

Prerequisite: Funeral Services 20007 and 20005 both with a minimum grade of C.

XFDC 20012 – Work Experience I

320 hours off campus

Students will practice the funeral directing skills they have learned throughout the program in a 320-hour employment or volunteer experience. Students are responsible for securing a placement within a licensed funeral home and may be required to relocate.

Pre or Corequisite: Funeral Services 20001 with a minimum grade of C.

Note: Students must have a non-graduated Class 5 drivers license.

XFDC 20013 – Anatomy & Physiology

64 hours online

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.

XFDC 20014 – Psychology of Death & Dying

48 hours online

This course examines the 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.

XFDC 20016 – Business Strategies

48 hours online

This course introduces students to the key elements of strategic business operations including leadership, organizational culture, human resources and image. Various components of a business plan including management, financing, customers, marketing, legal structures and financial projections will be highlighted.

XFDC 20017 – Work Experience II

800 hours off campus

For Funeral Service Diploma program. This paid supervised employment experience is professional in nature and transitions students into increased responsibility within a funeral home. Develop professional interaction and communication skills while applying laws and regulations. Students are responsible for securing employment within a licensed funeral home and employer support to document 25 funeral arrangement conferences.

Prerequisite: Funeral Services 20012.

Note: Students must have a non-graduated Class 5 drivers license.

XFDC 20018 – Chemistry

48 hours online

Students will be introduced to fundamental chemical principals, the importance of water to life, the basis of organic chemistry and biochemistry. Chemical changes that occur after death will be examined and the effects of thanatochemistry introduced.

XFDC 20019 – Business Communications

48 hours online

This course explores effective business communication. Students will learn to write more effectively according to the seven C's; clearly, completely, concisely, concretely, courteously, considerably and correctly. Appropriate formats for business letters, emails, reports and presentations are examined. Use of digital communication and social media will be explored.

XFDC 20020 – Microbiology

48 hours online

This course will introduce students to the world of microbiology and infectious disease. Review potential risks associated with the embalming process: explore the determinants of disease and infection, disease prevention, disease processes, sterilization processes, specific modes of action of antibiotics and chemical anti-microbials and the function of the human immune system and other defenses. Select organisms will also be examined for their role in human disease.

XFDC 20021 – Funeral Director Work Experience

800 hours off campus

For Funeral Director Certificate program (pre Fall 2015 program start). This paid supervised employment experience is professional in nature and transitions students into increased responsibility within a funeral home. Develop professional interaction and communication skills while applying laws and regulations. Students are responsible for securing employment within a licensed funeral home and employer support to document 25 funeral arrangement conferences.

Note: Students must have a non-graduated Class 5 drivers license.

XFDC 20022 – Embalmer Work Experience

72 hours off campus

The Embalmer Work Experience is a synthesis of academic work, practicum experience and experiential learning. Apply the fundamentals of embalming using appropriate health and universal safety precautions. Skills such as critical assessment, suturing and the care of body fluids will be further developed. Apply the laws and regulations governing funeral service and increase knowledge, confidence and skills within the embalming preparation room. Students are responsible for securing employment within a licensed funeral home.

Prerequisites: Funeral Services 20010, 20013 and 20018 with a minimum grade of C and Funeral Services 20023.

Pre or Corequisite: Funeral Services 20020 with a minimum grade of C.

Note: Students must provide proof of Hepatitis B series (min. of 2/3 of series) vaccination, Tetanus / Dip current within 10 years vaccination, Canadian Red Cross Standard First Aid with CPR Level C and WHMIS in order to participate in Funeral Services 20022.

XFDC 20023 – Embalming Practicum

86 hours practicum

Students participate in instructor-led embalming labs within Calgary funeral homes. Students residing outside of Calgary complete course at an Intensive Institute.

Pre or Corequisite: Funeral Services 20002 with minimum grade of C.

Note: Students must provide proof of Hepatitis B series (min. of 2/3 of series) vaccination, Tetanus / Dip current within 10 years vaccination, Canadian Red Cross Standard First Aid with CPR Level C and WHMIS in order to participate in Funeral Services 20023.

XFDC 20024 – Funeral Director Work Experience II

1146 hours off campus

For Funeral Director Certificate students. This paid supervised employment experience is professional in nature and transitions students into increased responsibility within the funeral home. Develop professional interaction and communication skills while applying laws and regulations. Students are responsible for securing employment within a licensed funeral home and employer support to document 25 funeral arrangement conferences.

Prerequisite: Funeral Services 20012.

Note: Students must have a non-graduated Class 5 drivers license.

XFDC 20025 – Funeral Trends & Regulations

32 hours online

This course will provide a framework to review and understand the laws and regulations that govern the daily work of a funeral service professional in preparation for licensing exams. Current trends and issues in funeral service will be explored.

Prerequisite: Funeral Services 20008 with a minimum grade of C.

XFDC 20101 – Intro to Conflict Resolution (formerly XCFR 20101)

15 hours online

Begin to develop a personal philosophy for conflict resolution as you explore the benefits mediation and negotiation in a variety of settings. Assess your ability to communicate effectively and discover your personal style of handling conflict. Recognize the importance of separating the people from the problem and begin to apply conflict management processes.

XFDC 20102 – Negotiating with Integrity (formerly XCFR 20004)

15 hours online

Begin to examine the concepts of negotiating with integrity and consider their application in the business community. Identify key skills and processes which assist in effective negotiations and consider key elements in preparing to negotiate. Be introduced to the 4-Stage model of negotiation: interests, options, agreements and alternatives.

Prerequisite: Funeral Services 20101 with minimum grade of C.

MASSAGE THERAPY (XMAT)**XMAT 20001 – Massage Concepts & Terminology**

20 hours online

Be introduced to medical terminology and cover learning styles and strategies, directional and movement terminology, body systems and basic massage concepts. Gain an understanding of the importance of medical terminology for the massage therapist.

XMAT 20002 – Relaxation Massage Techniques

100 hours lecture

This practical course explains and demonstrates the strokes and techniques that are the foundation of massage therapy. Emphasis is placed on proper body mechanics. Perform a full body relaxation massage and use formal charting skills. Major bony landmarks and muscle groups are identified and palpated throughout the course.

XMAT 20003 – Fundamentals of Charting

15 hours lecture

Examine and demonstrate the importance of thorough charting for massage therapists. Learn how to use SOAP (subjective, objective, assessment and plan) notes, how to document treatments and design treatment plans.

XMAT 20004 – Advanced Massage Techniques

100 hours lecture

Learn advanced massage techniques to deliver an effective and efficient therapeutic massage. Understand the importance of developing tactile awareness by exploring individual muscles during a massage treatment. Utilizing the best body position to gain access to specific muscles in their entirety is also explored. Continue to develop charting skills.

Prerequisites: Massage Therapy 20002, 20003 and 20200 all with a minimum grade of B-.

XMAT 20005 – Treatments I

100 hours lecture

Demonstrate specific therapeutic techniques for the treatment of various musculoskeletal and systemic conditions within the scope of practice of massage therapy. Additional advanced techniques are introduced and modifications of previous skills are learned to facilitate treatments. Continue to develop your palpation, assessment and charting skills.

Prerequisites: Massage Therapy 20004 and 20501 both with a minimum grade of B-.

XMAT 20006 – Hydrotherapy

50 hours lecture

Learn different application methods for heat and cold. Understand the health benefits of proper full body exfoliation, paraffin wax, body wraps and body scrubs. Indications, contraindications and precautions are defined for all treatments. Gain a working knowledge of the various body treatments as well as set up, application and clean up.

Prerequisites: Massage Therapy 20002 and 20701 both with a minimum grade of B-.

XMAT 20200 – Musculoskeletal Anatomy

80 hours lecture

Acquire detailed knowledge of the musculoskeletal system. Learn anatomical components, functional characteristics, and range of motion and actions of individual muscles and how to palpate them.

XMAT 20401 – Pathology I

75 hours blended delivery

Learn pathological conditions such as inflammation, tissue injury and common pathologies of various body systems relevant to massage therapy.

Prerequisites: Personal Fitness Trainer 20001 and 20002 both with a minimum grade of C and Massage Therapy 20200 and 20001 both with a minimum grade of B-.

XMAT 20501 – Therapeutic Exercise I

50 hours lecture

Explore the mechanics of motion with respect to human anatomy and how it relates to musculoskeletal functions and dysfunctions. This enables you to identify inefficient motion and apply the correct therapeutic approach. Learn simple remedial exercise and stretching techniques to use in massage therapy and for client home care exercises and the maintenance of good posture.

Prerequisites: Massage Therapy 20002 and 20200 both with a minimum grade of B-.

XMAT 20600 – Orthopedic Assessment

100 hours lecture

Demonstrate clinical application of current soft tissue assessment principles and techniques. This includes initial treatment interview and history documentation; evaluation of the indications and contraindications to massage; accurate orthopedic assessment; and analysis of the assessment findings with respect to the general principles of anatomy, physiology and pathology. Continue to apply and expand your charting skills to document assessment findings. This includes evaluation, progress and therapeutic outcomes of the applied massage treatment. Development of client record forms are also discussed.

Prerequisites: Massage Therapy 20004 and 20200 both with a minimum grade of B-.

XMAT 20700 – The Business-Massage Therapy

35 hours blended delivery

Be introduced to business aspects of operating a wellness-based business. Emphasis is placed on business structures, managing client information, marketing, setting goals and small business accounting.

XMAT 20701 – Ethics & Communication I

48 hours blended delivery

Learn various ways to communicate, both verbally and non-verbally. Components such as ethics, morals and self-examination are studied in relationship to professionalism in the massage therapy industry.

XMAT 20702 – Ethics & Communications II

60 hours blended delivery

This course builds upon material covered in Ethics & Communication I. Continue to explore interpersonal and intrapersonal communication skills as well as key ethical issues in the massage profession. Further develop and practice communication skills needed for dealing with specific client challenges, a more diverse range of clients and more diverse situations.

Prerequisite: Massage Therapy 20701 with a minimum grade of B-.

XMAT 20801 – Integrative Studies

15 hours lecture

Apply all of your knowledge to formulate in-depth treatment plans based on case study scenarios. This course tests comprehension and analytical skills.

Prerequisites: Massage Therapy 20001, 20701, 20700, 20600, 20005, 20006, and 20912 all with a minimum grade of B- and Massage Therapy 20401 with a minimum grade of C and Massage Therapy 20913 with a grade of P.

XMAT 20910 – Clinical Practicum I

20 hours onsite practicum

Apply your massage skills in a safe, supervised environment. This practical course introduces the day-to-day practice of the massage profession through performing effective relaxation massages for public clients and accurately charting treatments.

Prerequisites: Massage Therapy 20002, 20003, 20701 and 20200 all with a minimum grade of B-.

XMAT 20911 – Clinical Practicum II

30 hours onsite practicum

Apply your massage skills in a safe, supervised environment. This practical course introduces the day-to-day practice of the massage profession through performing effective relaxation massages for public clients and accurately charting treatments.

Prerequisite: Massage Therapy 20910 with a minimum grade of B-.

XMAT 20912 – Clinical Practicum III

50 hours onsite practicum

Apply your massage skills in a safe, supervised environment. This practical course introduces the day-to-day practice of the massage profession through performing effective therapeutic massages for public clients and accurately charting treatments.

Prerequisites: Massage Therapy 20004, 20911 and 20006 all with a minimum grade of B-.

XMAT 20913 – Outreach I

20 hours off-site

Choose from various practicum opportunities where you will experience working on clients and integrating the skills learned to date.

Prerequisite: Massage Therapy 20002 with a minimum grade of B-.

XMAT 21001 – Fundamentals of Research

55 hours online

Students will become familiar with the basics of academic research and how they relate to an evidence-based massage therapy practice. They will also learn to access and evaluate academic publications with a focus on case reports.

Prerequisite: Massage Therapy 20801 with a minimum grade of B-.

XMAT 21021 – Biomechanics

40 hours lecture

Develop an understanding of movement of the human body in this course. Emphasis is on the biomechanics of motion and how it relates to musculoskeletal function and dysfunction. Discuss and apply muscle length and strength testing. Gait is also examined.

Prerequisites: Massage Therapy 20501 and 21030 both with a minimum grade of B-.

XMAT 21022 – Case Study

50 hours lecture

Apply research skills, choose a case study candidate and complete a minimum of 10 treatments to study the effects of massage or massage techniques on the candidate's condition. Case study treatments take place out of class.

Prerequisites: Massage Therapy 20801, 21101 and 21001 all with a minimum grade of B-.

XMAT 21023 – Therapeutic Exercise II

40 hours lecture

Expand on the knowledge gained in Therapeutic Exercise I through modifications to previously learned material and new applications to facilitate the integration of therapeutic exercise into the practice of massage therapy with respect to the rehabilitation of injuries.

Prerequisites: Massage Therapy 20501 and 21030 both with a minimum grade of B-.

XMAT 21030 – Regional Anatomy

75 hours lecture

This course provides a review of structures and soft tissue surrounding each joint and region of the body. Learn the nerve innervations for all musculature as well as being introduced to the intrinsic muscles of the body. This course takes all material learned and compares it from a cross-sectional perspective; including soft tissue, bones, nerves, major blood vessels and some organs. Upon completion, you will have a greater understanding to identify and isolate specific tissue.

Prerequisites: Personal Fitness Trainer 20001 and 20002 both with a minimum grade of C and Massage Therapy 20200 with a minimum grade of B-.

XMAT 21031 – Integrative Human Physiology

60 hours online

This course builds on the knowledge gained in Human Physiology. Systems in the body are explored in greater depth with relevance to massage therapy. Integrate knowledge from other courses to discuss how systems of the body are affected by various factors.

Prerequisites: Personal Fitness Trainer 20001 and 20002 both with a minimum grade of C.

XMAT 21040 – Neuroanatomy**40 hours blended delivery**

Gain knowledge of basic structures and functions of the human nervous system. Learn about higher brain functions and the special senses such as motor, learning, vision, hearing, balance and proprioception. Gain a solid foundation in the anatomy and physiology of the nervous system essential for the understanding and successful implementation of the techniques learned in Massage Therapy. Study the functional systems of the autonomic nervous system, limbic system, somatosensory system, reticular formation and proprioceptive systems, central nervous system and the peripheral nervous system. The physiological impact of massage on some of neurological disorders is studied and discussed.

Prerequisites: Massage Therapy 21031 with a minimum grade of C.

XMAT 21051 – Pathology II**80 hours online**

This course builds on the foundation of knowledge gained in Pathology I. Develop a greater understanding of the physiological changes and reactions responsible for clinical signs and symptoms commonly encountered by massage therapists. This understanding also gives you the ability to predict possible outcomes of massage intervention.

Prerequisites: Massage Therapy 20401 and 21031 both with a minimum grade of C and Massage Therapy 21030 with a minimum grade of B-.

XMAT 21061 – Regional Palpations**65 hours lecture**

Apply specific palpation skills of the musculoskeletal, vascular and nervous systems. Emphasis is on the components of the muscular system including: tendons, origins and insertions, and the muscle belly. The articular system includes ligaments of relevant joints. Locate and palpate all vulnerable nerves, and pertinent blood vessels relevant to massage therapy. As well, locate and palpate internal organs of the abdominal cavity.

Prerequisites: Massage Therapy 20200 and 20005 both with a minimum grade of B-.

XMAT 21070 – Pharmacology**80 hours online**

Acquire an understanding of basic pharmacology. Drug therapy is one of the most frequent and complicated treatment modalities in modern health care. Because of its importance and complexity, and the frequent additions and changes in the field of pharmacology, it is important that massage therapists constantly review and update their knowledge in order to adjust and modify their treatments.

Prerequisites: Massage Therapy 21031 and 20401 both with a minimum grade of C.

XMAT 21090 – Clinical Practicum IV**25 hours onsite practicum**

Demonstrate assessment techniques and treat specific pathological presentations by integrating massage techniques and therapeutic exercise, with an understanding of anatomy, physiology, kinesiology and communication in a supervised environment. Advanced charting skills are assessed.

Prerequisites: Massage Therapy 20005 and 20912 both with a minimum grade of B-.

XMAT 21091 – Clinical Practicum V**72 hours onsite practicum**

Demonstrate assessment techniques and treat specific pathological presentations by integrating massage techniques and therapeutic exercise, with an understanding of anatomy, physiology, kinesiology and communication in a supervised environment. Advanced charting skills are assessed.

Prerequisites: Massage Therapy 21101, 21090, 21001 and 20702 all with a minimum grade of B-.

XMAT 21092 – Outreach II**70 hours off-site**

Students will be placed in various practicum situations, where they will experience clients with chronic and acute pathologies and will integrate their skills learned to date. Such placements may include: rehabilitation clinic, special needs clinic, sports clinic, maternity clinic, intermediate care facilities and on-site business massage.

Prerequisites: Massage Therapy 20801 and 21101 both with a minimum grade of B- and Massage Therapy 20913.

XMAT 21101 – Treatments II**100 hours lecture**

Learn treatment management protocols for specific conditions presented including orthopedic and stages of life. As well, learn modifications for treatments previously learned. Assessment tools continue to be developed including the use of a goniometer.

Prerequisites: Massage Therapy 20005, 20912 and 20600 all with a minimum grade of B-.

XMAT 21102 – Treatments III**100 hours lecture**

Continue to learn treatment management for specific conditions presented including: neurological conditions, post-surgical rehabilitation and palliative care. Be introduced to a variety of adjunct therapies relevant to massage therapy. Continue to develop assessment tools as well as documenting treatments and findings.

Prerequisites: Massage Therapy 21101 and 21061 both with a minimum grade of B-.

XMAT 21110 – Objective Standardized Clinical Examination (OSCE)**40 hours lecture**

This course incorporates the knowledge obtained in the entire program and prepares the student for their final comprehensive practical and written exam of the 2200 hour Massage Therapy Diploma. The student is examined through an OSCE (Objective Standardized Clinical Examination) based comprehensive exam.

Prerequisites: Massage Therapy 20702, 21022, 21102, 21091, 21023 and 21021 all with a minimum grade of B- and Massage Therapy 21070, 21040 and 21051 all with a minimum grade of C and Massage Therapy 21092 and Personal Fitness Trainer 21004.

PERSONAL FITNESS TRAINER (XPFT)**XPFT 20001 – Human Anatomy (formerly XBIO 20001)****48 hours lecture or online, 48 hours online lab, 22 hours tutorial**

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

XPFT 20002 – Human Physiology (formerly XBIO 20002)**48 hours lecture or online, 48 hours online lab, 22 hours tutorial**

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 defense 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.

XPFT 2104 – Effective Communication**48 hours lecture or online**

This course presents the theory and application of interviewing and interpersonal communication skills as they apply to small groups and individuals in the field of Personal Fitness Training. Students will explore skills and strategies related to communication styles, group communication, interviewing and counseling skills that will be useful in becoming an effective Personal Fitness Trainer.

XPFT 20200 – Exercise Physiology**48 hours lecture or online**

The principles of anatomy and physiology will be applied to exercise. Beginning with nutrition and the metabolic pathways that provide energy for movement, students will learn how the systems of the body respond physiologically to the demands of exercise. Students will also learn how these systems adapt to specific aerobic and anaerobic modes of training as well as the effects age and gender have on these adaptations.

Prerequisites: Personal Fitness Trainer 20001 and 20002 both with a minimum grade of C.

XPFT 20201 – Applied Movement Mechanics

48 hours lecture or online

Applied Movement Mechanics is the study and application of human movement in a manner that increases function, decreases risk of injury, meets goals and adds to the quality of life. Students will learn how to apply their understanding of functional anatomy to the design and prescription of exercise programs as well as to the prevention and assessment of injuries. This course will emphasize resistance and flexibility analysis, exercise prescription and training. These skills will also be utilized, on a smaller scale, with other forms of movement.

Prerequisites: Personal Fitness Trainer 20001 and 20002 both with a minimum grade of C.

XPFT 20300 – Principles and Methods of Training

48 hours lecture or online

Students will learn the components of fitness and how to identify and choose appropriate methods and modalities for achieving the components of fitness.

Prerequisites: Personal Fitness Trainer 20201 and 20200 both with a minimum grade of C.

XPFT 20400 – Fitness Appraisal/Counselling

48 hours lecture

Students will acquire the skills to conduct a fitness and lifestyle appraisal and develop strategies that assist clients with healthy lifestyle changes based on their individual needs, goals and motivation. This course will be based on the Physical Activity Training for Health (PATH) protocol as outlined by the Canadian Society for Exercise Physiology (CSEP) and prepares students for the Certified Personal Trainer (CSEP-CPT) certification examinations.

Prerequisites: Personal Fitness Trainer 21005 and 22006.

XPFT 20401 – Fitness Program Design

48 hours lecture or online

Students will learn how to use the skills and knowledge they have acquired in previous courses to develop individualized training programs. This will result in customized personal fitness training that is safe, effective, and meets the needs of the clients.

Prerequisite: Personal Fitness Trainer 20001 with a minimum grade of C.

XPFT 20402 – Leadership Development

48 hours lecture or online

This course explores the concepts of leadership, group dynamics and conflict resolution techniques. Students will develop a personal leadership philosophy, create an awareness of ethical and moral responsibility and foster their own leadership style. Students will review individual styles of communication in managing conflict. This course focuses on the techniques of questioning, reframing and neutral language in effectively dealing with conflict situations.

Prerequisite: Personal Fitness Trainer 21014 with a minimum grade of C.

XPFT 20600 – Business Mgmt & Marketing

48 hours lecture or online

Students will explore the employment opportunities for Personal Fitness Trainers, such as working for an established fitness facility or as a self-employed Personal Fitness Trainer. Topics including: how to develop a business and marketing plan, choice of corporate structure, risk management, liability issues, marketing and customer service will be discussed to give participants a foundation for entering the Personal Fitness Training profession."

XPFT 21001 – Health & Wellness

48 hours lecture

This course provides an introduction and overview to aspects of holistic health and wellness and highlights strategies for promoting well-being. Utilizing a mix of theory and application, students will gain an understanding of individual well-being and the interconnectivity between individual well-being and promoting a healthy lifestyle.

XPFT 21002 – Health Promotion & Training

48 hours blended delivery or online

This introductory course serves as the foundation for the program. Students will learn about the concepts of active living and health promotion as they relate to the field of personal fitness training. Students will also gain an overall understanding of the fitness industry, including: certifications, trends, liability and risk, ethics, client confidentiality, and scope of practice.

XPFT 21003 – Strength Training I

48 hours lecture

This practical course is an exploration of the scientific principles, concepts and theories related to strength adaptation and strength training prescription with an emphasis on designing safe, personalized strength training programs for all levels of ability.

XPFT 21004 – Introductory Nutrition

48 hours online

This course provides a basic understanding of the role of nutrition in health and fitness through theory and practical application. Topics include professional scope of practice, nutrition myths and trends, special populations, and healthy nutritional habits.

XPFT 21005 – Practicum I

50 hours off-site

Under the supervision of a Practicum Site Supervisor, the Practicum I course will introduce students to the personal fitness training profession at an approved practicum site. Students will be exposed to the operations of a successful fitness facility including daily business practices, teamwork, developing relationships with facility users and staff, and building and maintaining clientele.

Prerequisites: Personal Fitness Trainer 21002 and 21014 both with a minimum grade of C.

Note: Students must complete current Standard First Aid/CPR C prior to starting Personal Fitness Trainer 21005

XPFT 22001 – Growth & Motor Development

48 hours lecture

This course provides an understanding of the physical changes that occur during the growth period from childhood to adolescence. Particular attention will focus on the impact of physical maturation and development as related to physical activity, exercise and skill acquisition. The influence of growth and development on the design and instruction of physical literacy programs will be explored.

XPFT 22002 – Injury Prevention & Care

48 hours lecture, 32 hours lab

Students will explore their role in the prevention and treatment (first aid) of athletic injuries. Topics include: the safe and effective use of various types of exercise equipment, the cause and prevention of common overuse injuries, taping procedures for prevention of common athletic injuries, and exercise prescription for special populations.

Prerequisite: Personal Fitness Trainer 20001 with a minimum grade of C.

XPFT 22003 – Strength Training II

48 hours lecture

This is an advanced course in the theory and practice of strength training. Emphasis will be on the utilization of free weight equipment for participants requiring additional or advanced strength training.

Prerequisite: Personal Fitness Trainer 21003 with a minimum grade of C.

XPFT 22004 – Special Populations - General

48 hours lecture

This course is intended to broaden student's awareness of special populations as related to physical activity and the body. The focus will be on physical activity and how it relates to these special populations. Students will gain both theoretical and practical knowledge targeted towards developing, implementing and evaluating physical activity programs in these population groups.

Prerequisites: Personal Fitness Trainer 20001 and Personal Fitness Trainer 20200 both with a minimum grade of C.

XPFT 22005 – Special Population-Older Adult

48 hours lecture

This course is intended to broaden student's awareness of the complexities and intricacies of the aging process as it relates to physical activity and the body. The focus will be on physical activity and how it relates to several dimensions of aging including physical, social and cultural contexts. Students will gain both theoretical and practical knowledge targeted towards developing, implementing and evaluating physical activity programs for adults over the age of 65.

XPFT 22006 – Practicum II

50 hours off-site

The Practicum II course will provide students with an opportunity to apply theory into practice. Under the supervision of a Practicum Site Supervisor, students will provide personal fitness training services to fitness centre clientele.

Prerequisites: Personal Fitness Trainer 21005 with a grade of P and Personal Fitness Trainer 22002, 20200, 20300 and 20401 all with a minimum grade of C.

Note: Students must complete Standard First Aid/CPR C prior to starting Personal Fitness Trainer 22006.

XPFT 22007 – Psychology of Exercise

48 hours lecture or online

This course provides an introduction to the psychosocial concepts underlying an understanding of human behavior in physical activity, sport and health. The perspectives of Exercise and Health Psychology and Personality and Social Psychology will be examined.

GLOSSARY

Academic Schedule

- A calendar of important University dates such as the first and last day of classes, deadlines for payment of fees and last day to withdraw from a course. Students are responsible for meeting all crucial deadlines in the Academic Schedule.

Academic Standing

- Academic Standing in its various forms applies to all current Mount Royal students and relates to students' eligibility to register in credit courses within a Mount Royal program and their eligibility to graduate from a program. The stages of Academic Standing are, in order, Good Standing, Academic Warning, Academic Probation and Required to Withdraw.

Academic Probation

- A student is placed on Academic Probation when s/he has been on Academic Warning for two semesters and has a cumulative Grade Point Average (GPA) less than 2.00. A student will be permitted to remain on Academic Probation for one semester within a twelve month period.

Academic Warning

- A student is placed on Academic Warning when s/he has accumulated a minimum of nine earned credits and has a cumulative Grade Point Average (GPA) of less than 2.00. A student will be permitted to remain on Academic Warning for a maximum of two semesters within a twelve month period.

Admission

- Acceptance of a person who has formally applied to attend the University. Individuals may be admitted if they submit all required forms, transcripts and supporting documents, and they meet the admission requirements and the competitive admission standard for the program they wish to study.

Admission Requirements

- Sometimes called entrance requirements.
- The background an applicant must have before being admitted to study at the University. This typically includes successful completion of a specific set of high school subjects and in some cases includes an interview, audition or portfolio.

Advanced Placement (AP)

- Advanced courses offered at the high school level and developed by the University Entrance Examination Board, New York.
- Courses may be used for admission and/or transfer credit purposes.

Advisor

- Faculty member or staff who helps students select their program of study and the specific courses that will satisfy graduation requirements for their program. Advisors have been assigned to each program the University offers. Students should keep their original advisor as long as they stay in the same program.

Alumni

Alumni are individuals:

- who have received degrees, diplomas, credit certificates, or high school diplomas from the University;
- who have received designated credit-free certificates in the following programs: Funeral Director Extension Certificate, Herbal Therapy Extension Certificate, Massage Therapy Extension Certificate, Personal Fitness Trainer Extension Certificate, TVP Employment Preparation Extension Certificate;
- who have successfully completed one full scholastic year (30 academic credits) of study at the University and one full year has passed since their last date of attendance; or
- who are 18 years of age or older and previously attended the Mount Royal University Conservatory for a minimum of 6 years.

Appeal

- A request that a grade on a particular piece of work or a final standing in a course or program be changed on grounds related to the accuracy or fairness of the mark assigned.

Approved Option

- A course relating to a student's field of study that must be chosen in consultation with and approved by the appropriate academic advisor.

Auditor

- Often referred to as an auditing student.
- A student who pays to attend a credit class. An auditor does not receive credit for attending the course and is not allowed to participate in assignments or exams. To audit a course, students must have the permission of the instructor.

Awards

- Are monetary and/or non-monetary awards that recognize a student's achievement in a course or program that is not solely based on a GPA calculation or financial need.

Bursaries

- Are monetary awards granted to students on the basis of demonstrated financial need. Emergency bursaries are given to students as a result of urgent, unforeseen circumstances that result in immediate financial need.

Cognate course

- a cognate course is a course from outside a defined discipline which complements and enhances the breadth of knowledge and skills found within the area of study. For example, the core requirements in the Bachelor of Science (Geology) include CHEM and COMP courses as well as GEOL courses. The CHEM and COMP courses are considered 'cognate' courses.

Community Service Learning Citation

- the Community Service Learning (CSL) citation demonstrates that a student has significantly integrated CSL into their post-secondary education by completing three designated courses (minimum of nine credits). The citation is noted on the transcript.

Continuing Student

- Student who was enrolled in one or more courses at Mount Royal University during the immediately preceding major semester (i.e., Fall or Winter). Students who attend the Winter Semester, miss the Spring Semester, and then return for the Fall Semester are also considered to be continuing students.

Continuance

- Continuance refers to a student's eligibility to continue in a program of studies. Unless otherwise approved by General Faculties Council, a student in Good Standing is eligible to remain in his/her program.

Convocation

- The ceremony to celebrate with those students who successfully completed their program and satisfied the University's graduation requirements. The convocation ceremonies are held in early November and early June.

Co-operative Education

- Integrated academic study and alternating paid work-terms available in a number of specialized disciplines.

Corequisite

- Course(s) students must take at the same time they are taking other particular courses.

Course Load

- The number of courses a student takes in a semester.

Credit

- Credit weight reflects student workload rather than classroom contact hours. Normally, students are expected to devote 9-12 hours of academic time and effort per week for a three credit course. Academic time and effort includes class time (e.g., lectures, labs, studios, tutorials, etc.) as well as any experiential or blended components. In addition, all independent study (e.g., assignments, readings, preparation, study, etc.) is included. Courses are normally valued as three credits or multiples of three credits.

Deferred Final Examination

- Students who miss a final examination due to some compelling reason may ask their professor to write the examination at a later date. The decision to grant a deferred examination rests solely with the professor of the course in which the student wishes a deferral. Refer to the *Examination Policy and Deferred Examination* sections under *Academic Regulations*.

Directed Field Studies

- Integrate academic learning with paid work experience or self-employed businesses and may be included in the curriculum for applied baccalaureate degree programs.

Directed Readings

- Special arrangement whereby students may pursue and receive credit in areas of study on an independent basis. See *Directed Readings* under the *Course Description* section for procedures and restrictions.

Disqualified Student

- A student who is no longer permitted to attend Mount Royal University for a specified period of time. Students will be disqualified if they do not do well in their courses. The University transcript will carry a notation *Required to Withdraw*.

Drop/Add

- Frequently referred to as registration adjustment or change of registration.
- Students may drop or add courses following initial registration. Courses, which are *dropped*, do not show on a student's record.

ESL/EAC/EF

- English as a Second Language/English for Academic Purposes/ English for Advanced Communication/ English Foundations.
- Special English courses offered to students who do not speak, read, or write English well enough to be successful in MRU credit courses. The ESL/EAP courses are offered through the Languages Institute. For further information call 403.440.5100.

Elective

- A course which is not specified for a program but counts towards an applied degree, diploma, or certificate. While academic advisors may recommend certain courses to fulfill elective requirements, students may freely choose their electives.

Fees

- Money which students must pay the University to attend courses. Tuition and fees cover things such as accident insurance, athletics, some laboratory costs, as well as class attendance. They do not cover text books.

Full-time Status

- For admission, registration and advising purposes, a full-time student is one who is admitted to a designated program and who enrolls in three or more courses (normally a minimum of nine credits) in a semester.
- For financial assistance, under The Province of Alberta Students Finance Act, and for fee assessment purposes, a full-time student is considered to be one taking at least three courses and a minimum of nine credits per semester for the Fall or Winter Semesters or at least two courses and a minimum of six credits for the Spring Semester.
- For Income Tax purposes, a full-time student must be enrolled in a minimum of nine credits (excluding Audit courses and courses for which credit was granted by the prior learning assessment and recognition process) per semester.
- For participation on a Mount Royal University Athletic Team, a full-time student must be enrolled in at least three courses and a minimum of nine (9) credits.

Good Standing

- A student who has accumulated a minimum of nine earned credits, and has a cumulative Grade Point Average (GPA) of 2.00 or better is considered to be in Good Standing.

Grade Point Average (GPA)

- The average of a student's marks. The University does not use percentage grades for final marks; thus, each letter grade is assigned a number of points (i.e., A = 4 points, D = 1 point) so that the marks can be added together and averaged. For more information, see the *Academic Status* section.

Grievance

- A claim or complaint by a student that a University unit has reached a decision which is not in keeping with University policy or taken an erroneous action which adversely affects the student.

Instructor

- Sometimes called a faculty member or teacher.
- A qualified individual who teaches at the University.

Interdisciplinary Program

- An interdisciplinary program is one based on a combination and integration of courses and is comprised primarily of courses with the same discipline prefix but also include cognate courses.

International Baccalaureate (IB)

- Advanced courses offered at the high school level and developed by the International Baccalaureate Office, Geneva.
- Courses may be used for admission and/or transfer credit purposes.

Internship

- An internship is a paid work opportunity that allows students to put their academic education into practice.

Limited Enrolment Program

- A program which only accepts a fixed number of entering students. Most programs at MRU have limited enrolment.

Open Studies Student

- A student who is not admitted to a designated program of study. Students are only permitted to complete 30 credits (normally ten courses) as an Open Studies student.

Option

- A course selected by the student from the list of courses available in the calendar. It counts toward an applied degree, diploma or certificate.

Parchment

- The award received for successful completion of the University's graduation requirements for a baccalaureate degree, applied degree, diploma or certificate.

Part-Time Status

- A student who is admitted to a designated program and who enrolls in one or two (credit courses (normally fewer than credits) in a semester.

Petition

- A request that a regulation be waived on compassionate grounds or because of extenuating circumstances (i.e., petition for readmission or against disqualification).

Practicum

- A course of study involving supervised practical work.

Prerequisite

- Course(s) that students must successfully complete prior to taking a higher-level course. Students who register in a course for which they do not have a prerequisite may be deregistered from that course.

Program

- An approved group of related courses leading to a baccalaureate degree, applied degree, diploma or certificate.

Progression

- Progression refers to a student's eligibility to register in a course. Eligibility is determined by, but not limited to, prerequisite/corequisites. A student 'progresses' through a program by successfully completing all requirements.

Re-Admitted Student

- A student who has taken course(s) at Mount Royal University in the past but not in the immediately preceding Fall or Winter semester.

Registration

- The period before each semester when students select and enrol in classes and pay fees. New and returning students cannot register in courses until they have been officially admitted to the University.

Required Courses

- Often called compulsory courses. Specific courses in a program that relate to the field a student is studying. Students may not substitute any other course for a required course without the written permission of the program chair. To graduate, students must complete all the required courses outlined in their program pattern.

Required to Withdraw

- A student is Required to Withdraw from the institution for a minimum of twelve months when s/he has been on Academic Probation for one semester and has a cumulative Grade Point Average (GPA) less than 2.00. **The University transcript will carry a notation Required to Withdraw.**

Scholarships

- Are monetary awards granted to students on the basis of academic achievement and, in some cases, extracurricular activities.

Semester

- Each academic year at the University is divided into periods of time called semesters. At Mount Royal, the Fall and Winter Semesters each last 13 weeks and are referred to as major semesters. Additionally, Mount Royal has compressed, 6.5-week Spring and Summer Semesters. The Spring Semester also offers courses which last for 13 weeks. Some courses may deviate from this standard. Students who attend the Spring and Summer Semesters receive the same number of hours of instruction for each course taken as in the Fall or Winter Semesters.

Senior Matriculation

- Frequently known as university entrance.
- A term used in Alberta to describe a student who has an Alberta High School Diploma (100 credits) with five appropriate 30-level subjects. These five 30-level subjects must be chosen carefully as different subjects are required for entrance to the various university faculties.

Student Loan

- A government loan to help students pay for books, tuition and living expenses while attending a college, university or technical school. Students must start paying back their loan once they have been out of school for six months.

TOEFL/ iBT

- Test Of English As A Foreign Language/internet-based TOEFL.
- An international test of English which is one option to demonstrate English proficiency for applicants whose native language is not English.

Transcript

- Sometimes called an academic record or student record.
- A permanent record of all of a student's courses, credits and grades. Transcripts are maintained by the Office of the Registrar and are only released upon written request by the student.

Transfer Credit

- Sometimes called advanced credit or advanced standing.
- Courses completed at another accredited college, university or technical institute are recognized as transfer credit if the courses are comparable to credit courses offered at the University and if the transfer credit satisfies graduation requirements for a Mount Royal University baccalaureate degree, applied degree, diploma or certificate.

Transfer Equivalency

- Courses completed at another accredited college, university or technical institute. Although the course may not apply to the student's current program of study, it may be used to determine eligibility to register in a particular course (prerequisite checking) and/or admission requirements. In addition, course equivalencies may be used in a degree audit to determine transfer credit for a student's current program or used to perform hypothetical scenarios.

Tuition

- See the *Fees* section of this calendar for more information.

Withdrawal

- Procedure for a student who withdraws from one or more courses or from the University completely and stops attending classes. Students who do not withdraw from courses using the proper procedures can be given an "F" grade in the course(s) even if they haven't attended class.

Work Experience

- Integrated academic learning with paid work experience included in the curriculum and required for a number of baccalaureate degree programs.

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LEARNING AIMS AT MOUNT ROYAL UNIVERSITY

In every learning experience, both inside and outside of the classroom, Mount Royal helps you gain the knowledge and skills appropriate to your field of studies as well as foundational skills for lifelong learning and self-understanding. Mount Royal's learning aims prepare you to face 21st century challenges by helping you:

- » Gain intellectual and practical skills, including:
 - › inquiry and analysis
 - › critical and creative thinking
 - › written and oral communication
 - › quantitative literacy
 - › information literacy
 - › visual literacy
 - › teamwork and problem solving.
- » Experience integrative and applied learning, which enables you not only to gain knowledge and skills but to apply them to complex problems and in new settings.
- » Develop the knowledge of human cultures and the physical, natural and technological world that will help you engage with the big questions facing us, whether in the past, the present or the future.
- » Develop personal and social responsibility through active involvement with diverse communities and real world challenges.

As you move through the successively higher levels of your undergraduate studies at Mount Royal University, each academic program will also have specific learning aims. For more information on this, please consult your program advisor.

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