



Red Deer College 2019|20  
**COURSE GUIDE**



# welcome to RDC





# 2019 - 2020

## course guide

# learning philosophy

Our commitment to learners and learning is at the heart of Red Deer College and this is reflected in our values of accountability, inclusiveness, exploration, excellence, integrity and community.

We believe in fostering intellectually rigorous, professionally relevant, and dynamic learning environments of inquiry, exploration, application and creativity. We ensure accessibility to multiple pathways of formal and informal learning through active engagement, facilitated learning processes, and scholarly excellence. We value learning because it empowers our learners to be highly productive in the work force and within our communities. We honour the intrinsic value of learning in supporting self development, growth and fulfillment in the individual learner. We promote positive lifelong learning habits and attitudes that embrace local, national, and global experiences, issues and perspectives.

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## 2019-2020 COURSE GUIDE

The Web version is the official Academic Calendar of Red Deer College. The Calendar and timetable set forth the intention of the College, at the time of publication, with respect to all matters contained therein. The College reserves the right, at any time, to make whatever changes are necessary, including the cancellation of particular courses, in order to serve the best interests of the College, or because of circumstances or occurrences beyond the College's control. The College expressly denies responsibility or liability to any person or persons who may suffer loss or who may be otherwise adversely affected by such.

# Academic Schedule - 2019-2020

Apprenticeship programs do not follow the academic schedule other than for statutory holidays.

July 2019						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

- 1 Canada Day - College closed  
Fifty-sixth College Year begins
- 2 Deferred exams for Spring term written  
First day of classes for Summer term  
Tuition fees for Summer term due  
**Registration will be cancelled if tuition is not paid.**
- 4 Last day for submission of final grades for Spring term
- 5 Final grades for Spring term available  
Last day to register, add or drop Summer term courses  
**Last day for tuition refund**
- 12 Last day to apply for Supplemental Exams for Spring term
- 15 Supplemental Exams for Spring term written
- 26 Midterm feedback for Summer term

August 2019						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- 1 First day to apply for Spring 2020
- 5 Heritage Day - College closed
- 9 Tuition Fees for Fall term and Full year courses due  
**Registration will be cancelled if tuition is not paid.**
- 16 Last day of classes for Summer term  
Last day to withdraw from Summer term courses and receive a WD
- 19 First day of Final Exams for Summer term
- 22 Last day of Final Exams for Summer term
- 26 Deferred Exams for Summer term written
- 28 Last day of course waitlist for Fall term
- 29 Last day for submission of final grades for Summer term courses
- 30 Final grades available for Summer term courses

September 2019						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

- 2 Labour Day - College closed
- 3 New Student Orientation
- 4 First day of classes for Fall term
- 6 Last day to apply for Supplemental Exams for Summer term
- 11 Last day to apply for Fall term 2019
- 13 Last day to register, add or drop Fall term or Full year courses  
**Last day for tuition refund**
- 14 Supplemental Exams for Summer term written

January 2020						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- 1 New Year's Day - College closed
- 2 College open - No credit classes
- 3 College open - No credit classes
- 6 First day of classes for Winter  
**Tuition Fees for Winter term due.**  
**Registration will be cancelled if tuition is not paid**  
Midterm feedback for Full year courses
- 9 Last day to apply for Winter term
- 13 Last day to register, add or drop Winter term courses  
**Last day for tuition refund**
- 13 Last day to apply for Supplemental Exams for Fall term
- 18 Supplemental Exams for Fall term written

February 2020						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

- 17 Family Day - College closed
- 18-21 Reading break - No credit classes
- 24 Credit classes resume

March 2020						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 2 Midterm feedback Winter term
- 3 Emergency Response Day
- 13 Final Exam Schedule posted
- 16 Continuing Student Registration begins

Some programs may have courses which begin earlier or later than the dates indicated below. Some programs such as Nursing use partial semesters labelled Fall 1, Fall 2, etc. Apprenticeship programs do not follow the academic schedule other than for statutory holidays. Please refer to specific programs or course descriptions for further information.

October 2019						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November 2019						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December 2019						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 1 First day to apply for Fall term 2020  
Emergency Response day
- 14 Thanksgiving Day - College closed
- 15-18 Reading Break – No credit classes
- 21 Credit classes resume
- 24 Midterm feedback for Fall term

- 11 Remembrance Day. College closed
- 14 Final Exam schedule posted

- 9 Last day of classes for Fall term  
**Last day to withdraw from Fall term courses and receive a WD**
- 13 First day of Final Exams for Fall term courses
- 18 Last day of Final Exams for Fall term courses
- 20 Last day of course waitlist for Winter term
- 20 Deferred Exams written
- 23 Last day for submission of final grades for Fall term courses
- 24 Final grades available
- 24 College closed at noon
- 25-31 College closed

April 2020						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

May 2020						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

June 2020						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

- 1 First day to apply for Winter term 2021
- 6 New Student Registration begins
- 8 Last day of classes for Full year and Winter term courses  
**Last day to withdraw from Full year, Winter courses and receive a WD**
- 10 Good Friday – College closed
- 14 First day of Final Exams
- 18 Last day of Final Exams
- 21 Deferred Exams written
- 22 Last day of the course waitlist for Spring term
- 23 Last day for submission of final grades for Winter term and Full year courses
- 24 Final grades available

- 1 Last day to apply for Supplemental Exams for Winter term
- 4 First day of classes for Spring term  
Tuition fees for Spring term due  
**Registration will be cancelled if tuition is not paid**
- 6 Last day to apply for Spring term
- 8 Last day to register, add or drop Spring term courses  
**Last day for tuition refund**
- 9 Supplemental Exams for Winter term written
- 18 Victoria Day. College closed
- 22 Final Exam Schedule posted
- 29 Midterm feedback for Spring term

- 5 Convocation
- 18 Last day of classes for Spring term courses  
**Last day to withdraw from Spring term courses and receive a WD**
- 22 First day of Final Exams for Spring term courses
- 24 Last day of Final Exams for Spring term courses
- 26 Deferred Exams written
- 27-28 Annual Power Shutdown
- 29 Last day for submission of final grades for Spring term
- 30 Final grades available
- 30 College year ends
- July 2020**
- 6 Last day to apply for Supplemental Exams for Spring term
- 10 Supplemental Exams for Spring term written

# COURSE DESCRIPTIONS

In this section, courses are listed to show what is normally offered at Red Deer College. Some courses are not offered every year. Check the timetable to see if specific courses will be offered.

Each course is identified by the name of the subject, followed by a course number and a course weight. The instructor/student contact hours are also shown as well as the number of weeks the course normally lasts, the title of the course, and a brief description.

Example:

ACCT 206-3	(BC=4)
(3-1) 15 weeks	
Auditing	
ACCT 206	name of the subject, often an abbreviation the course number which gives the course a unique identity
-3	the number which follows the dash is the course credit weight
(BC=4)	the number of billing credits
(3-1)	the instructor/student contact hours per week; 3 hours of class and 1 hour of lab
15 weeks	the number of weeks the class runs
Auditing	the title of the course

## Assignment of Academic Credits, or Credit Weight, to Courses

Course credits are a measure of learning opportunities based on the number and type of instructional hours or equivalent learning experiences. For Red Deer College Diploma and Certificate courses, academic credits are normally equal to billing credits. For courses in University Transfer Programs, academic credits are normally equal to the credit given at university. This is usually equal to the number of lecture hours.

## Definitions

**Credit** - The equivalent of 15 hours of class instruction. (Example: 1 hour per week for 15 weeks including the final exam period.)

**Course** - A series of learning opportunities within a specific subject area to which a final grade is assigned.

Courses have a variety of learning opportunities, among which are the following:

**Class** - a series of learning activities aimed at acquiring theory.

- i) Activities in the class are directed by the instructor OR
- ii) Context based Learning

**Lab** - a series of structured learning activities to facilitate the application of concepts, theories and principles.

**Seminar/Tutorial** - a series of structured learning activities aimed at further exploration and application of concepts, theories and principles.

**Clinical** - a series of learning activities aimed at applying theory in prescribed clinical experiences.

**Practicum** - a learning activity aimed at combining theory with practical experience.

**Field Work** - an educational experience involving work of a practical nature acquired by students in a work situation.

## Instructor/Student Contact Hours

The figures in brackets following the course title and number show the number of contact hours per week. The first figure is the number of class hours. The last figure is the number of lab hours. Seminar hours are identified with an S. Practicum, Clinical and Fieldwork are usually expressed as total hours.

(3-0)	Three hours of classes per week. No labs.
(3-3)	Three hours of classes and three hours of labs per week.
(0-3)	No classes. Three hours of labs per week.
(3-1S-3)	Three hours of classes, 1 hour of seminar, and three hours of labs per week.
(3/2)	Classes on alternate weeks

## Course Length

Length of courses may vary, see timetable for length of courses. A term usually lasts 15 weeks, including the exam period. Courses lasting 15 weeks are called term courses.

Some courses last two terms, or 30 weeks. This includes two exam periods, one at the end of each term. These courses usually run from September to April. They are called full courses.

## Prerequisites and Corequisites

Courses listed as prerequisites must be completed before you start the course in question. For example, BIOL 297 lists Biology 30 or equivalent as prerequisite. This means that you must complete Biology 30 or equivalent before you can take BIOL 297. Courses listed as Corequisites must be taken at the same time as the course in question.

**Note:** You usually have to complete a junior course in the same subject before you can take a senior course. This is true even if it is not listed as a prerequisite. If you wish to register in a 300-level course without having taken at least one 200-level course in the same subject, check with an advisor.

## Restricted Courses

Some courses are available only if you are admitted to a certain program.

## Reserved Courses

Some courses are available first to students in a certain program. Once most students have registered, these courses are opened to all students.

You can find information on restricted and reserved courses in the College Timetable.



## Academic Upgrading Courses

See page 98.

## Accounting

**ACCT 102-4** (BC=4)  
(4-0) 15 weeks

### Introductory Accounting I

Theory and practice of accounting as applied to the accumulation, external reporting, and external uses of financial accounting information.

Credit will not be granted for both ACCT 102 and 202.

**ACCT 103-4** (BC=4)  
(4-0) 15 weeks

### Introductory Accounting II

Preparing and analysing accounting information for shareholder and management use.

Prerequisite: ACCT 102.

Credit will not be granted for both ACCT 103 and 202.

**ACCT 104-3** (BC=3)  
(3-0) 15 weeks

### Managerial Accounting

Using accounting information for managerial decision making, operating and capital budgets, and product costing.

Prerequisite: ACCT 102.

Credit will not be granted for both ACCT 104 and 204.

Diploma students may take either ACCT 104 or 204. Bachelor of Commerce must take ACCT 204 (and may not take ACCT 104).

**ACCT 106-4** (BC=4)  
(3-2) 15 weeks

### Management Accounting and Finance

Using accounting information for managerial decision making. Budgeting, financial forecasting and analysis, and an introduction to corporate finance.

Prerequisite: ACCT 102.

Credit will not be granted for both ACCT 104 and 106.

**ACCT 202-3** (BC=5)  
(5-0) 15 weeks

### Introductory Financial Accounting

Postulates, principles of accounting relating to external reporting, and uses of financial accounting information. Emphasis is on accounting for organizational resources and equities, preparing and analysing financial statements, and reporting to owners, creditors, and other external decision makers.

Note: Designed for Second Year Commerce Students.

Credit will not be granted for both ACCT 102/ 103 and 202.

**ACCT 204-3** (BC=3)  
(3-0) 15 weeks

### Managerial Accounting

ACCT 204 covers the same topics as ACCT 104 in more depth and adds several additional topics.

Prerequisite: ACCT 103 or 202.

Credit will not be granted for both ACCT 104 and 204.

Bachelor of Commerce students must take ACCT 204. Diploma students may take either ACCT 104 or 204.

**ACCT 205-3** (BC=3)  
(3-0-0) 15 weeks

### Cost Accounting

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.

Prerequisite: ACCT 204 or consent of the Donald School of Business.

**ACCT 209-3** (BC=4)  
(3-0-1) 15 weeks

### Intermediate Financial Accounting I

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.

Prerequisites: ACCT 103 or 202 or consent of the Donald School of Business.

**ACCT 210-3** (BC=4)  
(3-0-1) 15 weeks

### Intermediate Financial Accounting II

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: ACCT 209 or consent of the Donald School of Business.

**ACCT 214-3** (BC=3)  
(3-0-0) 15 weeks

### Computer Accounting Applications

This course utilizes a hands-on approach to applying accounting knowledge through the use of pre-packaged accounting software. Students will use software modules to perform accounting cycle functions, including set-up and ongoing maintenance and prepare related financial reports.

Prerequisites: ACCT 102 or 202, BADM 210 or consent of the Donald School of Business.

**ACCT 305-3** (BC=4)  
(3-1-0) 15 weeks

### Personal and Corporate Taxation

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: ACCT 210 or consent of the Donald School of Business.

**ACCT 306-3** (BC=4)  
**(3-1-0) 15 weeks**  
**Auditing**  
 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, the audit of fraud, and auditing in a computer environment.  
 Prerequisite: ACCT 210 or consent of the Donald School of Business.

**ACCT 308-3** (BC=4)  
**(3-1-0) 15 weeks**  
**Advanced Managerial Accounting**  
 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: ACCT 205 or consent of the Donald School of Business.

**ACCT 310-3** (BC=4)  
**(3-1-0) 15 weeks**  
**Advanced Financial Accounting**  
 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: ACCT 210 or consent of Donald School of Business. Acting

## Acting

**ACT 105-2** (BC=2)  
**(1-0-2) 15 Weeks**  
**Expressive Body I**  
 Introduction to physical technique and practices as they relate to the performing artist. Ensemble building, vocabulary and communication, with a focus on creative physical expression.

**ACT 107-2** (BC=2)  
**(2-0-0) 15 Weeks**  
**Voice and Speech I**  
 Introductory course in voice and speech for effective communication. Exercises and practical applications in a variety of speaking contexts focus on vocal function, breath, resonance, articulation and coping with performance stress.

**ACT 109-3** (BC=3)  
**(2-0-3) 15 Weeks**  
**Acting I**  
 Explore the potential of the self to express creative ideas, thoughts and feelings through storytelling. Introduction to acting as behaving under given imaginary circumstances.

**ACT 110-3** (BC=3)  
**(2-0-3) 15 Weeks**  
**Acting II**  
 Examine the basic principles of acting and storytelling. Focus on ensemble creation and experimenting with intuitive and imaginative choices based on observations of the self, others, and the environment. Begin the exploration of improvised and text based performance.  
 Prerequisite: ACT 109.

**ACT 205-2** (BC=2)  
**(1-0-2) 15 Weeks**  
**Voice and Body I**  
 Integration of voice and body techniques as they relate to the performing artist in stage and film.  
 Prerequisite: ACT 105 and ACT 107.

**ACT 206-2** (BC=2)  
**(1-0-2) 15 Weeks**  
**Voice and Body II**  
 Continued integration of voice and body techniques as they relate to the performing artist. Further voice work for expanded creative performance. Body work for a flexible, strong instrument.  
 Prerequisite: ACT 205.

**ACT 207-2** (BC=2)  
**(1-0-3) 15 Weeks**  
**Voice and Speech II**  
 Introduction to Voice Acting with a continuation of vocal development and communication for the performing artist. Extended work in accents and dialects. Performance of original and established text.  
 Prerequisite: ACT 107.

**ACT 209-2** (BC=2)  
**(1-0-3)**  
**Acting III**  
 Examine aspects of acting that differentiate between stage and film performance in contemporary forms. Embody, enhance and expand elements of Acting I and Acting II in performing basic skills necessary to meet the demands of both stage or film acting.  
 Prerequisite: ACT 110.

**ACT 210-4** (BC=4)  
**(2-0-4) 15 Weeks**  
**Acting IV**  
 Examine aspects of acting that differentiate between stage and film performance in classical forms. Expand stage skills with a focus on the requirements for scene and monologue work in classical text. Explore the medium of film using classical film text to explore actor choices based on personal experience, imagination and authenticity.  
 Prerequisite: ACT 209.

**ACT 213-2** (BC=2)  
**(1-0-2) 15 Weeks**  
**Voice Acting**  
 Basics of voice acting and training. Development of practical skills and tools for the voice acting industry with emphasis given to interpreting scripts and building a voice acting demo.

**ACT 215-3 (BC=3)****(2-0-2) 15 Weeks****Song and Dance I**

Focusing on basic training and integration of the three major components of Musical Theatre: Acting, Singing, and Dancing.  
Prerequisite: ACT 110.

**ACT 220-3 (BC=3)****(3-0-0) 15 Weeks****Directing II**

Examine the different duties and responsibilities of a stage director and a film director. Experiment with basic directing concepts and working with cast and crew.  
Prerequisite: FTLE 205.

**ACT 224-3 (BC=3)****(2-0-2) 15 Weeks****Stage Combat I**

Development of stage combat techniques: unarmed and sword, with a focus on safety, technical proficiency and emotional investment. Physical interpretation of text. Hours go toward national certification as Basic Actor Combatant through Fight Directors Canada.  
Prerequisite: ACT 105 or instructor approval.

**ACT 226-2 (BC=2)****(1-0-3) 15 Weeks****Expressive Body II**

Continuation of physical technique and practices as they relate to the performing artist, with a focus towards creation of solo and ensemble performance. Employing body as a flexible, strong and expressive instrument in coordinated work. Integration of movement vocabulary, notation and physical communication skills. Exploration of Mask as a form of physical character transformation.  
Prerequisite: ACT 105.

**ACT 230-1 (BC=2)****(1-1-0) 15 Weeks****Production Company Management I**

Modeling arts management and leadership through working as a non-profit board mirroring professional and community driven models. Defining roles and responsibilities as a working board. Defining roles and responsibilities as an artistic and production team. Envisioning a company mandate for a body of work.  
Prerequisite: None  
Corequisite: FTLE 215.

**ACT 305-3 (BC=3)****(2-0-2) 15 Weeks****Voice and Body III**

Application of voice and body techniques as they relate to the performing artist. Further voice work for expanded creative performance. Bodywork for a flexible, strong instrument. Focus on creative process including imagination, spontaneity, risk taking, and commitment.  
Prerequisite: ACT 206.

**ACT 306-3 (BC=3)****(2-0-2) 15 Weeks****Voice and Body IV**

Continued application of voice and body techniques as they relate to the performing artist. Further voice work for expanded creative performance. Body work for a flexible, strong instrument. Integration towards performance using all skills acquired.  
Prerequisite: ACT 305.

**ACT 308-2 (BC=2)****(1-0-2) 15 Weeks****Acting with Technology**

Examine acting as it relates to new and advanced technology to enhance and record performance. This course is designed to further the learning experience in developing acting skills and working with actors (directors, animators, etc.) using advanced and emerging technologies (eg. green screen).  
Prerequisite: ACT 210.

**ACT 309-3 (BC=3)****(2-0-2) 15 Weeks****Acting V**

Develop and refine the skill level of acting techniques/procedures acquired. Explore the demands of performing scenes of heightened emotional intensity and complexity. Practice skills necessary to perform under greater complex script and production demands. Developing creative, imaginative interpretations of character.  
Prerequisite: ACT 210.

**ACT 310-4 (BC=4)****(2-0-4) 15 Weeks****Acting VI**

Develop and refine the skill level of acting techniques/procedures acquired. Explore the demands of performing scenes of heightened emotional intensity and complexity. Practice skills necessary to perform under greater complex script and production demands. Developing creative, imaginative interpretations of character.  
Prerequisite: ACT 309.

**ACT 315-3 (BC=3)****(2-0-2) 15 Weeks****Song and Dance II**

An intermediate level course focusing on integration of Acting, Singing, Dancing and Audition Techniques for Musical Theatre.  
Prerequisite: ACT 215.  
Corequisite: MUSS 145.

**ACT 320-3 (BC=3)****(2-0-2) 15 Weeks****Auditions**

Emphasis is on the knowledge, strategies, and skills needed for professional film, tv, and audio auditions. Students will develop a professional resume, photograph, and industry standard reels/tapes/DVD.  
Prerequisite: FTLE 205.

**ACT 322-2 (BC=3)****(2-0-1) 15 Weeks****Auditioning II**

Builds on Auditions. Emphasis is on the expansion of knowledge, strategies, and skills needed for professional film, TV, and theatre auditions. Larger parts, emotionally challenging characters designed to expand the actors repertoire. Online marketing strategies of the actor.  
Prerequisite: ACT 320.

**ACT 324-3 (BC=3)****(2-0-2) 15 Weeks****Stage Combat II**

Further development of stage combat techniques: combination of unarmed, sword and quarterstaff, with a focus on safety, technical proficiency, and emotional investment. Physical interpretation of text. Attainment of national certification as Basic Actor Combatant through FDC (Fight Directors Canada).  
Prerequisite: ACT 224.

**ACT 326-3 (BC=3)****(2-0-2) 15 Weeks****Directing for Film I**

Study in detail the director's contributions to the creative process of producing a film. Examine strategies to encourage and influence the actors' contributions to the process. Communicating effectively with above-the-line personnel.

Prerequisite: FTLE 205.

**ACT 327-3 (BC=3)****(2-0-2) 15 Weeks****Directing for Film II**

In depth analysis of established director's styles, techniques and film work related philosophies. Working with cast and crew in scenes of heightened complexity. Develop a unique concept of cinematic storytelling.

Prerequisite: ACT 326.

**ACT 329-4 (BC=4)****(2-0-4)****Directing for Stage**

Crafting stylized performance for the stage utilizing creative elements of the developing director. Using heightened text and expressive forms of storytelling. The collaborative art of directing dramatic literature with a production team and actors.

Prerequisite: FTLE 205.

**ACT 330-1 (BC=1)****(0-2-0) 15 Weeks****Production Company Management II**

Practice leadership within a non-profit board structure. Visioning of a production season that could be presented as a 4th year company of artists. Budgeting/securing performance royalties, and devising sponsorship campaigns. Pitching co-productions with established professional companies within Alberta. Selecting plays, projects and film productions matched to company goals and assigned resources.

Prerequisite: ACT 230.

**ACT 331-1 (BC=1)****(0-2-0)****Production Company Management III**

Implement plans for a season of creative work. Continued non-profit Board governance and management of revised budgets. The selection and contracting of an artistic team for a season of production / performance work in a variety of mediums. Developing a public profile and implementation of a marketing / media and fundraising campaign. Front of House management and audience development.

Prerequisite: ACT 330.

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## Administrative Professional

**APRO 100-3 (BC=3)****(3-0) 15 weeks****Information Processing**

Introduce computer concepts, systems, and terminology using Microsoft Windows and Word. Develop electronic file management and basic Word skills.

**APRO 101-3 (BC=3)****(3-0) 15 weeks****Spreadsheet Fundamentals**

Develop basic to intermediate skills in the operations of Microsoft Excel. Create and format worksheets and charts; write formulas; perform what-if analyses; and, use financial functions.

**APRO 102-3 (BC=3)****(3-0) 15 weeks****Computer Essentials**

Create a database, research topics using the internet, identify the basic components of a computer system, troubleshoot hardware and software problems, prepare an electronic presentation and use a variety of internet and distance delivery tools.

**APRO 110-3 (BC=3)****(3-0) 15 weeks****Document Processing I**

Develop keyboarding speed and accuracy through an emphasis on building skill using proper technique.

**APRO 111-3 (BC=3)****(3-0) 15 weeks****Document Processing II**

Further develop keyboarding speed and accuracy skills. Produce business correspondence, including using mail merge, sorting and selecting functions, fill-in forms, tables, and columns to produce visually appealing and professional-looking documents.

Prerequisites: APRO 100, 110.

**APRO 126-6 (BC=6)****(6-0) 15 weeks****Basic Accounting**

Apply accounting principles in manual and automated environments and learn the fundamentals of accounting through hands-on experience.

**APRO 130-3 (BC=3)****(3-0) 15 weeks****Office Systems I**

Develop current office practices including records management, telephone calls, mail procedures, social media apps and basic business math.

**APRO 131-3 (BC=3)****(3-0) 15 weeks****Office Systems II**

Explore the systems, procedures and technology of the contemporary office. Complete an office simulation package. Prerequisites: APRO 130, APRO 110 and APRO 100.

**APRO 135-3 (BC=3)****(3-0) 15 weeks****Introduction to Industry Sectors**

Assist the students in determining an industry sector for practicum and workforce employment. Increase the students' awareness and understanding of the industries within Alberta. Create an effective resume, cover letter, and portfolio. Develop interview skills.

**APRO 160-3 (BC=3)****(3-0) 15 weeks****Personal Leadership**

Develop interpersonal communication skills; practice oral presentation skills; application of professional skills; and, complete a class project.

**APRO 170-3 (BC=3)****(120 hours) 6 weeks****Practicum**

Application of technical and administrative skills through employment in an office setting. Prerequisite: A minimum GPA of 2.00 with no grade lower than D in the Administrative Professional Certificate fall and winter term courses.

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## Anthropology

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**ANTH 200-3 (BC=3)****(3-0) 15 weeks****People & Biocultural Evolution**

An examination of people and culture around the world. The focus will be on archaeological and physical anthropological components (race, evolution).

Note: Do not take ANTH 200 or 201 if you have already completed ANTH 203.

**ANTH 201-3 (BC=3)****(3-0) 15 weeks****People and Culture**

An examination of people and culture around the world. The focus will be on cultural anthropological components (language, culture growth and culture change).

Note: Do not take ANTH 200 or 201 if you have already completed ANTH 203.

**ANTH 203-3 (BC=3)****(3-0) 15 weeks****Introduction to Anthropology**

Provides a general introduction to Anthropology through the study of central concepts and key issues, including culture, human cultural development, biological evolution, social organization, cultural theory, symbolic systems and culture change.

Note: You cannot receive credit for ANTH 203 if you have previously taken either ANTH 200 or 201.

**ANTH 204-3 (BC=3)****(3-0) 15 weeks****Global Citizenship**

A survey of basic elements of global citizenship. Central concepts to building knowledge and understanding of the interconnectedness of human cultures will be explored by focusing on topics including social justice and equity, diversity, globalization and interdependence, sustainable development, and peace and conflict.

**ANTH 306-3 (BC=3)****(3-0) 15 weeks****Introduction to Archaeology**

The nature, purposes, theory, and methods of anthropological archaeology. Emphasis is on how past societies are reconstructed from archaeological evidence and the explanation of cultural evolution.

Prerequisite: ANTH 200 or ANTH 203, or consent of the Department.

**ANTH 307-3 (BC=3)****(3-0) 15 weeks****Introduction to Social and Cultural Anthropology**

Comparing human society and culture, particularly non-Western communities. Emphasis is on the family, social structure, political institutions, religion, and processes of change.

Prerequisite: ANTH 201 or ANTH 203, or consent of the Department.

**ANTH 308-3 (BC=3)****(3-0) 15 weeks****Introduction to Linguistic Anthropology**

Language and communication in the context of anthropology. A brief survey of field and analytic methods. Theory of linguistic anthropology.

Prerequisite: ANTH 201 or ANTH 203, or consent of the Department.

**ANTH 309-3 (BC=3)****(3-0) 15 weeks****Introduction to Physical Anthropology**

Human evolution and human variation. Topics include primatology, osteology, hominoid palaeontology, and variation in modern populations.

Prerequisite: ANTH 200 or ANTH 203, or consent of the Department.

**ANTH 321-3 (BC=3)****(3-0) 15 weeks****Ethnographic Survey of Latin America**

A survey of cultural traditions of Mexico, the Caribbean, and Central and South America as they have evolved since the 16th century. Prerequisite: ANTH 201 or ANTH 203, or consent of department.

**ANTH 323-3 (BC=3)****(3-0) 15 week****Ethnographic Survey of Africa**

Anthropology 323 will survey various groups across Africa going from traditional foraging groups through to current industrial societies in Africa.

Prerequisite: ANTH 201 or ANTH 203, or consent of the department.

**ANTH 327-3 (BC=3)****(3-0) 15 weeks****Globalization and Indigenous/Cultural Minorities**

The survival of indigenous and minority cultures in various societies. Relationships among race, class, culture, and politics. Genocide, ethnocide, and the future of native peoples in the modern state. Prerequisite: ANTH 201 or ANTH 203 or consent of the Department.

**ANTH 330-3 (BC=3)****(3-0) 15 weeks****Technology and Culture**

Evolution of tools and techniques. How society adapts to environment through technology. Relationships between technology, ideology, and social organization.

Prerequisite: ANTH 201 or ANTH 203 or consent of the Department.

**ANTH 331-3 (BC=3)****(3-0) 15 weeks****Anthropology of Gender**

Comparative analysis of gender as a central feature of social identity and of social relations of power, with particular reference to feminist approaches to the exploration of women's experience in their historical and cultural variety.

Prerequisite: ANTH 201 or ANTH 203, or consent of the department.

**ANTH 356-3** (BC=3)  
**(3-0) 15 weeks**  
**Ethnographic Survey of First Nations of Canada**  
 The cultural history of the First Nations peoples of Canada including the analysis of the contemporary groups.  
 Prerequisite: ANTH 201 or ANTH 203, or consent of the Department.

**ANTH 357-3** (BC=3)  
**(3-0) 15 weeks**  
**Applied Anthropology**  
 Introduction to the practical use of anthropological knowledge and research methods. Includes discussion of the specific challenges of practicing anthropology outside of academia.  
 Prerequisite: ANTH 201 or 203 or consent of the Department.

**ANTH 361-3** (BC=3)  
**(3-0) 15 weeks**  
**Peoples & Cultures of Central America**  
 Cultural history of the native peoples of Mexico and Guatemala. Contemporary Indian communities.  
 Prerequisite: ANTH 201 or ANTH 203, or consent of the Department.

**ANTH 363-3** (BC=3)  
**(3-0) 15 weeks**  
**Anthropological Perspectives on Religion**  
 Contemporary anthropological theoretical perspectives on indigenous and world religions.  
 Prerequisite: ANTH 201 or ANTH 203 or consent of the Department.

**ANTH 370** (BC=3)  
**(3-0) 15 weeks**  
**Special Topics in Archaeology**  
 Examination of selected topics in archaeology and/or biological (physical) anthropology. This course may be repeated for credit.  
 Prerequisites: ANTH 200 or ANTH 203, or consent of the Department.

**ANTH 375** (BC=3)  
**(3-0) 15 weeks**  
**Special Topics in Anthropology**  
 Examination of selected topics in social/cultural anthropology. This course may be repeated for credit.  
 Prerequisites: ANTH 201 or ANTH 203, or consent of the Department.

**ANTH 391-3** (BC=4)  
**(3-0-3) 15 weeks**  
**Human Osteology**  
 This is a comprehensive and intensive course on human skeletal material in archaeological context. Lectures and labs will cover techniques for identifying complete and fragmentary skeletal and dental elements, for recognizing the form and function of soft tissue attachments, on bones and for determining individualizing characteristics such as age at death and sex. Additional topics include skeletal growth and development, the identification of the normal range of variation in human skeletal anatomy, and distinguishing human from animal bones. This course should be considered essential for students planning future work in the interpretation of modern and archaeological human remains or the hominid fossil record.  
 Prerequisites: ANTH 309, or a course in Biology or Zoology, or consent of the Department.

## Art

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**ART 101-5** (BC=5)  
**(0-1) 15 weeks**  
**Visiting Artists**  
 This is a presentation based course featuring a diverse range of art professionals who are active in the visual art community. Presentations will contain a variety of graphic content.  
 Note: This course will be evaluated using a credit (pass)/non-credit (fail) grading system based upon 75% attendance.  
 Note: Repeat for credit 4 times for 2 credits. To complete their program requirement, BFA and Visual Art students must have completed a total of 2 credits in ART 101. Beginning date for ART 101 is Fall 2002.

**ART 201-3** (BC=3)  
**(3-0) 15 weeks**  
**Art History I**  
 A survey of Art History from Prehistoric to Renaissance.  
 Note: Not eligible for challenge.

**ART 203-3** (BC=3)  
**(3-0) 15 weeks**  
**Art History II**  
 A survey of Art History from Renaissance to modern.

**ART 231-3** (BC=5)  
**(4-2) 15 weeks**  
**Visual Fundamentals 2D**  
 A foundation level, project based studio course that introduces the formal elements and principles of two dimensional design.  
 Note: Not eligible for challenge.

**ART 233-3** (BC=5)  
**(4-2) 15 weeks**  
**Visual Fundamentals 3D**  
 A foundation level, project based studio course that introduces the formal elements and principles of three dimensional design.  
 Note: Not eligible for challenge.

**ART 241-3** (BC=5)  
**(4-2) 15 weeks**  
**Drawing I**  
 Basic theory and practice of drawing.  
 Note: May include use of life models  
 Note: Not eligible for challenge.

**ART 243-3** (BC=5)  
**(4-2) 15 weeks**  
**Drawing II**  
 ART 241 continued. Basic theory and practice of drawing. Emphasis is on analysis and motivation.  
 Prerequisite: ART 241.  
 Note: May include use of life models.  
 Note: Not eligible for challenge.

**ART 251-3** (BC=5)  
**(4-2) 15 weeks**  
**Two Dimensional Studies - Painting I**  
 Introduction to various materials and techniques in both traditional and contemporary formats.  
 Note: May include use of life models.  
 Note: Not eligible for challenge.

**ART 261-3 (BC=5)****(4-2) 15 weeks****Three Dimensional Studies - Ceramics I**

Ceramic process in image and idea.

Note: Not eligible for challenge.

**ART 281-3 (BC=5)****(4-2) 15 weeks****Three Dimensional Studies - Sculpture I**

Sculptural process in image and idea.

Note: Not eligible for challenge.

**ART 301-3 (BC=3)****(3-0) 15 weeks****Art History**

Forms and concepts in art and architecture in Canada. Early French and English colonial periods to Confederation.

**ART 303-3 (BC=3)****(3-0) 15 weeks****Art History**

Forms and concepts in Canadian art and architecture from Confederation to modern. The Group of Seven, Nationalism, Regionalism, development. and more recent

**ART 305-3 (BC=3)****(3-0) 15 weeks****Art History**

European painting, sculpture, and architecture. The nineteenth century to the end of Impressionism.

**ART 306-3 (BC=3)****(3-0) 15 weeks****Art History**

Painting, sculpture, and architecture. From the end of Impressionism, through the early art movement of the 20th century, to the 1950's.

**ART 310-1 (BC=2)****(1-0) 15 weeks****Professional Practice I**

The exploration and application of issues, responsibilities, techniques, and systems related to a professional artistic practice with an emphasis on portfolio development.

Prerequisites: ART 231, 233, 241, 243, 251, 261, 281 or department approval.

**ART 311-1 (BC=1)****(1-0) 15 weeks****Professional Practice II**

The exploration and application of issues, responsibilities, techniques, and systems related to a professional artistic practice with an emphasis on proposals, support agencies, and contractual and financial matters.

Prerequisite: ART 310 or department approval.

**ART 341-3 (BC=5)****(4-2) 15 weeks****Drawing III**

Theory and practice of drawing. Emphasis is on developing more advanced drawing and perception skills.

Prerequisite: ART 231, 233, 243.

Note: May include use of life models.

Note: Not eligible for challenge.

**ART 343-3 (BC=5)****(4-2) 15 weeks****Drawing IV**

Emphasis is on refining technique and resolution of working concepts.

Prerequisite: ART 341.

Note: May include use of life models.

Note: Not eligible for challenge.

**ART 351-3 (BC=5)****(4-2) 15 weeks****Painting II**

ART 251 continued. A contemporary approach to painting that develops individual strengths, using a problem solving approach.

Prerequisite: For AU, U of C, U of L, AUC, B.F.A. program: ART 251, 231, 233 and 243.

For U of A, B.F.A. program: ART 231, 233, 243, 251, 281.

Note: May include use of life models.

Note: Not eligible for challenge.

**ART 353-3 (BC=5)****(4-2) 15 weeks****Painting III**

ART 351 continued.

Prerequisite: ART 351.

Note: May include use of life models.

Note: Not eligible for challenge.

**ART 361-3 (BC=5)****(4-2) 15 weeks****Ceramics II**

Emphasis is on hand building and surface enrichment. Lectures, critiques, and studio practice.

Prerequisite: ART 231, 233, 243 and 261.

Note: Not eligible for challenge.

**ART 363-3 (BC=5)****(4-2) 15 weeks****Ceramics III**

Further work and study in clay. Kiln firing principles and introduction to throwing.

Lecture, critiques, and studio practice.

Prerequisite: ART 361.

Note: Not eligible for challenge.

**ART 375-3 (BC=5)****(4-2) 15 weeks****Printmaking I**

Relief printmaking, including woodcut, wood engraving, linocuts, and colour printmaking.

Prerequisites: For AU, U of C, U of L, AUC, B.F.A. program: ART 231, 233, 243.

For U of A, B.F.A. program: ART 231, 233, 243, 251/281.

**ART 377-3 (BC=5)****(4-2) 15 weeks****Printmaking II**

Silkscreen (serigraph) printmaking.

Prerequisites: For AU, U of C, U of L, AUC, B.F.A. program: ART 231, 233, 243.

For U of A, B.F.A. program: ART 231, 233, 243, 251/281.

Corequisite: ART 379.

**ART 379-3 (BC=5)****(4-2) 15 weeks****Printmaking III**

Intaglio and relief printmaking. Includes etching, engraving, collograph, and colour printing.

**ART 381-3 (BC=5)****(4-2) 15 weeks****Sculpture II**

Developing and realizing sculpture using various techniques and materials.

Prerequisites: FOR U of C, U of L, AUC, B.F.A. Program: ART 231, 233, 243, 281.

For U of A, B.F.A. Program: ART 231, 233, 243, 251/281

Note: Not eligible for challenge.

**ART 383-3 (BC=5)****(4-2) 15 weeks****Sculpture III**

Further study and work in sculpture.

Prerequisite: ART 381.

Note: Not eligible for challenge.

**ART 391-3 (BC=5)****(4-0-2) 15 weeks****Contemporary 2D Strategies and Technologies I**

A project based studio course introducing students to fundamental concepts, techniques and strategies, for two-dimensional contemporary art practices. Course will address and consider new and developing technologies and media as well as traditional, contemporary, and experimental approaches to 2D artwork. Students will use digital, mechanical, and hand tools.

Prerequisite: ART 231 or ART 241.

Note: May include use of life models. Not eligible for challenge.

**ART 393-3 (BC=5)****(4-0-2) 15 weeks****Contemporary 2D Strategies and Technologies II**

A project based studio course introducing students to fundamental concepts, techniques and strategies, for two-dimensional contemporary art practices. Course will address and consider new and developing technologies and media as well as traditional, contemporary, and experimental approaches to 2D artwork. Students will use digital, mechanical, and hand tools. Prerequisite: ART 391, ART 231 or ART 241.

Note: May include use of life models. Not eligible for challenge.

**ART 441-3 (BC=5)****(4-2) 15 weeks****Drawing**

Emphasis is on an individual problem solving approach. You have more responsibility to set visual and conceptual parameters and to extend your visual inquiry process.

Prerequisite: ART 343.

Note: May include use of life models

Note: Not eligible for challenge.

**ART 443-3 (BC=5)****(4-2) 15 weeks****Drawing**

ART 441 continued.

Prerequisite: ART 441.

Note: May include use of life models.

Note: Not eligible for challenge.

**ART 451-3 (BC=5)****(4-2) 15 weeks****Painting**

Expanding your ability in and knowledge of painting concepts and processes. Using and handling related media.

Prerequisite: ART 353.

Note: Not eligible for challenge.

**ART 453-3 (BC=5)****(4-2) 15 weeks****Painting**

ART 451 continued.

Prerequisite: ART 451.

Corequisite: ART 499.

Note: Not eligible for challenge.

**ART 461-3 (BC=5)****(4-2) 15 weeks****Ceramics**

ART 363 continued. Emphasis is on refining personal imagery in terms of composition and conception. More in-depth understanding of ceramic techniques.

Prerequisite: ART 363.

Note: Not eligible for challenge.

**ART 463-3 (BC=5)****(4-2) 15 weeks****Ceramics**

ART 461 continued.

Prerequisite: ART 461.

Note: Not eligible for challenge.

**ART 475-3 (BC=5)****(4-2) 15 weeks****Printmaking - Relief Intaglio**

Technology of relief and intaglio printing processes. Developing personal imagery, effective visual communication, composition, and design.

Prerequisite: ART 375 and 379

Note: Not eligible for challenge.

**ART 479-3 (BC=5)****(4-2) 15 weeks****Printmaking - Relief Intaglio**

ART 475 continued.

Prerequisite: ART 375, 379.

Note: Not eligible for challenge.

**ART 481-3 (BC=5)****(4-2) 15 weeks****Sculpture**

Extending your performance base as it relates to ideas, media, and process.

Prerequisite: ART 383.

Note: Not eligible for challenge.

**ART 483-3 (BC=5)****(4-2) 15 weeks****Sculpture**

ART 481 continued.

Prerequisite: ART 481.

Note: Not eligible for challenge.

## Arts & Animation

**ARAN 110-3 (BC=5)****(4-0-2) 15 Weeks****Drawing and Figure Sculpting from Life**

Develop technical skills, perceptual skills, and an understanding of how to represent a dynamic, believable human form in both two and three dimensions. Develop a strong foundational experience in portraying accurate anatomy of the human figure.

Note: May include use of life models.

Prerequisites: ART 231, ART 241.

**ARAN 205-3 (BC=5)****(4-0-2) 15 Weeks****Life Drawing II**

Learn to utilize exaggeration, foreshortening, value, and the overall dynamic reality of the human form.

Note: May include use of life models.

Prerequisite: ARAN 110.



**ARAN 305-3 (BC=5)****(4-0-2) 15 Weeks****Life Drawing III**

An advanced experience in drawing the human form, concentrating on areas such as fabric folds, the creation of atmosphere using value and line, and creating the feeling of flesh, bone, and cloth by adding marks to paper.

Note: May include use of life models.

Prerequisite: ARAN 205.

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## Animation & Visual Effects

**AVFX 101-5 (BC=5)****(4-0-2) 15 Weeks****2D Animation**

Learn the basic principles of digital 2D animation while animating on layers. Use the 12 principles of animation: squash and stretch, anticipation, staging, straight ahead versus pose to pose, follow through and overlapping action, slow in and slow out, arcs, secondary action, timing, exaggeration, solid drawing, and appeal.

Corequisite: ART 231, ART 241.

**AVFX 103-5 (BC=5)****(4-0-2) 15 Weeks****Layout and Design**

Draw with correct perspective. Design locations and characters that serve the story. Create layouts for animation.

Prerequisites: ART 241, ART 231.

Corequisites: CREA 110.

**AVFX 107-5 (BC=5)****(4-0-2) 15 Weeks****3D Animation and Visual Effects**

Create simple animations that encompass the typical steps taken in a 3D animation production pipeline. Create 'previs' animations.

Prerequisites: AVFX 101.

Corequisites: AVFX 103.

**AVFX 109-3 (BC=3)****(3-0-0) 15 Weeks****Animation History**

The history of animation and visual effects (VFX). Survey of cultural, economic, and technological trends that shaped the industry. Analysis of representative animated films.

**AVFX 201-5 (BC=5)****(4-0-2) 15 Weeks****Modeling and Texture Painting I**

Create hard surface models in 3D software using box modeling, and high poly sculpting and baking techniques. Layout efficient texture coordinates, and create 2D texture maps.

Prerequisite: AVFX 107.

**AVFX 203-5 (BC=5)****(4-0-2) 15 Weeks****3D Character Animation I**

Building on the 12 principles of animation, create character animation in a 3D environment on a computer. Learn about function curves and playblasts while creating both bipedal and quadrupedal animations.

Prerequisites: AVFX 101, AVFX 107.

**AVFX 207-3 (BC=3)****(2-0-3) 15 Weeks****Colour and Light**

Augment the telling of a story using colour and light. Create colour keys, use colour and layout to control the viewer's eye. Create colour scripts.

Prerequisites: ART 231, ART 241, AVFX 103.

**AVFX 209-5 (BC=5)****(4-0-2) 15 Weeks****Post Production I**

Intro to basic compositing, rotoscoping, tracking and working with screen footage using typical feature film and animation workflows. This is combined with an intro to basic editing, and building edits from storyboards of sequences, such as dialogues and lines of action.

Prerequisites: CREA 110.

**AVFX 211-3 (BC=3)****(2-0-3) 15 Weeks****Storyboarding**

Learn thumbnailing, rough composition, and final storyboards; communicating camera moves; aspect ratios; types of shots; lessons from film direction, such as continuity between shots, composition, staging, and silhouettes. Visually communicate a basic 3 act story structure in storyboard form. Create, revise and pitch storyboards.

Prerequisite: ART 231, CREA 110, AVFX 101, AVFX 103.

**AVFX 213-3 (BC=3)****(2-0-3) 15 Weeks****Rigging I**

Focusing on the articulation of joints, create animation ready rigs for animated characters within 3D software.

Prerequisite: AVFX 107.

**AVFX 215-5 (BC=5)****(4-0-2) 15 Weeks****Digital Sculpting**

Digitally sculpt and then retopologize character models. Prepare models for animation and texture painting with an awareness of appealing form, skeletal landmarks and muscular groups.

Prerequisite: AVFX 201.

**AVFX 301-3 (BC=3)****(2-0-3) 15 Weeks****Texture Painting II**

Learn various texturing workflows. Produce artwork for your demo reel, with a focus on painted textures.

Prerequisite: AVFX 107, AVFX 201, AVFX 207.

Corequisite: AVFX 307.

**AVFX 303-5 (BC=5)****(4-0-2) 15 Weeks****3D Character Animation II**

Animation of complex action for both bipedal and quadrupedal characters, as well as complex dialogue between multiple characters. Animation principles are applied to lip sync and pantomime.

Prerequisite: AVFX 203.

**AVFX 307-3 (BC=3)****(2-0-3) 15 Weeks****Lighting and Rendering**

Work with a variety of digital lighting and rendering scenarios in 3D software. Learn render farm workflows.

Prerequisite: AVFX 107, AVFX 207, AVFX 209.

**AVFX 309-5 (BC=5)****(4-0-2) 15 Weeks****Advanced Compositing**

Compositing of CG rendered passes, learning wire rig removal and the creation of clean plates, pulling a key from greenscreen footage, and the incorporation of 2.5D/3D set design/matte paintings. Intro to stereoscopic setup and immersive virtual reality compositing flows.

Prerequisite: AVFX 209.

**AVFX 311-2 (BC=3)****(2-0-1) 15 Weeks****Special Projects in Collaboration**

Collaborate on a 3D animation-related project with a client, either internal or external to the college. This project will include meeting milestones for clients, as well as producing demo reel materials.

Prerequisite: Successful completion of all third year Term 1 courses.

**AVFX 313-5 (BC=5)****(4-0-2) 15 Weeks****Rigging II**

A focus on deformation of meshes.

Problem solve rigging situations and create complex animation-ready rigs for animated characters, with 3D software.

Prerequisite: AVFX 213.

**AVFX 315-2 (BC=3)****(4-0-2) 8 Weeks****Matchmoving/3D Integration**

Work with film footage as image sequences, practice matchmoving and 3D integration. Build camera tracks. Extract 3D information from 2D footage.

Prerequisite: AVFX 107.

**AVFX 317-2 (BC=3)****(4-0-2) 7 Weeks****Motion Capture Cleanup**

Clean up raw motion capture files, creating useable cycles. Test them in 3D software.

Prerequisite: AVFX 107, AVFX 209, AVFX 303.

**AVFX 319-5 (BC=5)****(4-0-2) 15 Weeks****Visual Effects**

Design and develop visual effects simulation in node based software.

Examples may include rigid body dynamics, cloth simulations, particles simulations such as explosions, smoke, fluids, and fur.

Prerequisite: AVFX 107, AVFX 309.

**AVFX 405-15 (BC=15)****(3-0-28) 15 Weeks****Pre-Production for Area of Specialization**

Plan and execute pre-production for 3D animation related to final project(s).

Identify mentors. Assemble previs. Develop production assets for 3D animation related final project(s) to a 50% level of completion.

Work with mentors. Meet individual milestones.

Prerequisite: Successful completion of all third year courses.

**AVFX 410-15 (BC=15)****(3-0-28) 15 Weeks****Production for Area of Specialization**

Develop production assets for 3D animation related final project(s), to a level of completion ready for postproduction (such as compositing). Work with mentors. Meet individual milestones. Complete post production for 3D animation related final project(s). Compile demo reel materials.

Prerequisite: AVFX 405.

## Astronomy

**ASTR 205-3 (BC=3)****(3-0) 15 weeks****The Modern Universe**

A survey of modern astronomy with a focus on how our present views of the universe developed. Exploring the solar system by telescope and spacecraft. The birth and death of stars. Variable stars. Interstellar medium. The Milky Way and other galaxies. Pulsars (neutron stars) and supernovae. The concept of a black hole. Exploding galaxies (radio galaxies) and quasars. The evolution of the universe. The possibilities of extraterrestrial life and interstellar communication.

## Biochemistry

**BIOC 301-3 (BC=3)****(3-0-0) 15 weeks****Introductory Biochemistry**

An introduction to the fundamental principles of biochemistry. Protein structure and function; lipids and the structure of biological membranes; nucleotides and the structure of nucleic acids; bioenergetics and the metabolism of carbohydrates, lipids, and nitrogen; the integration and regulation of cellular metabolism.

Prerequisites: CHEM 211 and 251 or CHEM 351.

Restrictions: Students may only transfer BIOC 301 or BIOC 393 for credit.

**BIOC 393-3 (BC=4)****(3-0-3) 15 weeks****Introduction to Biochemical Molecules**

This is essentially the same course as BIOC 301 but has a laboratory.

Prerequisites: CHEM 211 and 251 or CHEM 351.

Restrictions: Students may only transfer BIOC 301 or BIOC 393 for credit.

**BIOC 430-3 (BC=3)****(3-0-0) 15 weeks****Nucleic Acids and Molecular Biology**

This course is intended to provide students with a comprehensive introduction to the biochemistry of nucleic acids. It covers: the structure and properties of nucleotides and nucleic acids; DNA based information technologies; genes and chromosome structure; molecular mechanisms in DNA replication, repair, and recombination; RNA metabolism; protein synthesis and targeting; the regulation of gene expression.

Prerequisites: BIOC 301, CHEM 212 and 352. Students transferring to the University of Alberta with less than a B- in the prerequisite courses will not receive transfer credit for this course.

## Biology

(See also Microbiology, Bacteriology, Botany, Genetics, Physiology, and Zoology.)

Note: Not all courses listed may be offered. Check Course Timetable for availability.

### **BIOL 201-3 (BC=4)**

#### **(3-0-3) 15 weeks**

##### **Concepts in Biology**

Brief introduction to the philosophy of biology. Unity and diversity. How structure and function complement each other. Homeostasis. Genetics and evolution. Ecology. Biological basis of behaviour. Relationship between biology and society. Prerequisite: Biology 30.

### **BIOL 209-3 (BC=3)**

#### **(3-0-0) 15 weeks**

##### **Towards a Sustainable Society**

The emergence of a sustainable worldview involves the emerging of ideas from science, religions, and economics. These ideas are coupled with a movement towards integrating mind, body and spirit for social change. An experiential approach will be employed to explore our understanding and responses to critical world events and trends that impact our survival and well being. Prerequisite: Biology 30 or Science 30 or Social 30 or equivalent.

### **BIOL 217-3 (BC=4)**

#### **(3-3) 15 weeks**

##### **Introduction to Cell Biology**

An introduction to cellular and molecular biology. Topics include: biological macromolecules; membrane structure and function; cellular structure; bioenergetics and energy flow; respiration and photosynthesis; cell division and the cell cycle; DNA structure and replication; transcription and translation; recombinant DNA and genetic regulation. Prerequisite: Biology 30 & Chem 30. Note: BIOL 217 and 218 can be taken in either order.

### **BIOL 218-3 (BC=4)**

#### **(3-0-3) 15 weeks**

##### **Organisms in their Environment**

Examines the major lineage of life on Earth. Overview of evolutionary principles and classification, the history of life, and the key adaptations of prokaryotes, protists, fungi, plants, and animals. Laboratories survey the diversity of biological form and function, and introduce the students to data collection and scientific writing. Prerequisite: Biology 30.

Note: BIOL 217 is not a prerequisite for BIOL 218.

Note: BIOL 217 and 218 can be taken in either order.

### **BIOL 301-3 (BC=3)**

#### **(3-0-0) 15 weeks**

##### **Eukaryotic Cellular Biology**

A structural and functional dissection of a eukaryotic cell. Detection of specific molecules at the ultrastructural level: plasma membrane structure and function: cytoskeleton involvement in intracellular transport, mitosis, and cytokinesis; the endomembrane system, protein targeting, exocytosis and endocytosis; nuclear structure and function: cell cycle control and cancer. Prerequisites: BIOL 217.

Prerequisite or Corequisite: CHEM 251 or 351.

### **BIOL 317-3 (BC=4)**

#### **(3-0-3) 15 weeks**

##### **Molecular Genetics and Heredity**

Examine the chromosomal and molecular basis for the transmission and function of genes. The fundamental principles of heredity, including Mendelian laws, genetic recombination and mapping. Molecular basis of gene structure, organization, expression and regulation in prokaryotes and eukaryotes.

Prerequisite: BIOL 217.

### **BIOL 318-3 (BC=4)**

#### **(3-0-3) 15 weeks**

##### **Principles of Ecology**

The scientific study of interactions between organisms and their environment in a hierarchy of levels of organization: individuals, populations, communities, and ecosystems. Provides a comprehensive survey of general concepts that can stand alone or serve as preparation for advanced courses in ecology. Labs emphasize collection, analysis, and interpretation of data from ecological experiments and field studies.

Prerequisite: BIOL 218.

### **BIOL 399-1.5 (BC=2)**

#### **(0-0-1.5) 15 weeks**

##### **Biology Research Opportunity Program**

A biology research project, supervised by a faculty member in the department, which focuses on the development of skills in research methods through engagement in discussions of scientific research and experience in the research environment. Prerequisite: BIOL 217 or BIOL 218 and approval of the Department.

Note: This course is credit/no credit

Note: Application does not guarantee a ROP position.

## Botany

### **BOTA 310-3 (BC=4)**

#### **(3-3) 15 weeks**

##### **The Plant Kingdom - Vascular Plants**

A comparative survey of vascular plants focusing on their morphology, classification and phylogeny. Emphasis is placed on living plant groups with some paleobotanical evidence presented.

Prerequisite: BIOL 218.

## Business

Note: Not all courses listed may be offered. Check Course Timetable for availability.

### **BUS 201-3 (BC=3)** **(3-0) 15 weeks**

#### **Introduction to Business**

This course covers the foundations for future courses in the B.Comm. program including accounting, organization behaviour, finance, information systems and marketing. Cases, group projects and a computerized business game may be used.

### **BUS 303-3 (BC=3)** **(3-0) 15 weeks**

#### **Introduction to Organizational Behaviour**

An introduction to the factors that influence human behavior in organizations. Topics include perception, personality, values, group behavior, leadership, politics and power. Students will be encouraged to use this information to better understand themselves and how they make choices in organizations. Note: Not eligible for challenge.

### **BUS 305-3 (BC=3)** **(3-0) 15 weeks**

#### **Organization Theory and Analysis**

Organizational structure and processes. Theoretical models used to analyse and manage organizations. The context of organization theory. Problems and use of classical and modern theory. Organization dynamics. Prerequisite: BUS 303.

### **BUS 306-3 (BC=4)** **(3-1) 15 weeks**

#### **Introduction to Business Statistics I**

The use of statistics and probability in business decision making. Methods of collecting, organizing, interpreting, and presenting data. Measures of central tendency and dispersion. Discrete and continuous probability distributions. Standard normal distribution. Sampling and statistical estimation. Testing hypotheses. Credit will not be granted for both BADM 111 and BUS 306.

### **BUS 307-3 (BC=4)** **(3-1) 15 weeks**

#### **Introduction to Business Statistics II**

Statistical techniques used in business decision making, analysis of variances, chi-square distribution, non-parametric tests of hypothesis and multiple regression and correlation analysis. Prerequisite: BUS 306 or BADM 111.

### **BUS 310-3 (BC=3)** **(3-0) 15 weeks**

#### **Introduction to Finance**

Types of securities and basic methods of valuation. Valuation and selection of physical and intellectual assets. Operation of asset markets and market efficiency. Risk measures and risk reduction methods. Financing policy, including choices between debt and equity financing. Prerequisite: BUS 306. Corequisite: ACCT 202. Note: It is strongly recommended that student complete ACCT 202 before registering in BUS 310. Note: It is recommended that diploma students take FINS 150 prior to BUS 310.

### **BUS 311-3 (BC=3)** **(3-0) 15 weeks**

#### **Legal Foundations of the Canadian Economy**

Both the private and public sectors of our economy rest on a structure of legal and social institutions. This course looks at the Canadian legal system with emphasis on the social policy behind the rules, rather than on the rules of law themselves. Includes the nature, sources, philosophy, and policy objectives of the law. Selected topics from the field of tort and contract law.

## Business Administration

Note: Not all courses listed may be offered. Check Course Timetable for availability.

### **BADM 107-2\* (BC=2)** **(3-1) 15 weeks**

#### **Computer Skills for Business**

BADM 107 is designed to provide students with requisite computing skills to succeed in BADM 207 Advanced Microcomputers. The course consists of three modules; CMPT 071-Introduction to Computers, CMPT 083.Word Processing I, and CMPT 086. Spreadsheet Skills I. \*Non-traditional delivery in course.

### **BADM 110-3 (BC=3)** **(3-0) 15 weeks**

#### **Introduction to Management**

Learn how to manage organizations in an ethical and socially responsible manner to maximize productivity within the constraints of the business environment. Competency modules include the theoretical and applied aspects of planning, organizing, leading and controlling.

### **BADM 111-3 (BC=4)** **(3-1) 15 weeks**

#### **Introduction to Statistics**

The use of statistics and probability in business decision making. Methods of collecting, organizing, interpreting, and presenting data. Measures of central tendency and dispersion. Discrete and continuous probability distributions. Standard normal distribution. Sampling and statistical estimation. Testing hypothesis. Credit will not be granted for both BADM 111 and BUS 306.

### **BADM 132-3 (BC=3)** **(3-0) 15 weeks**

#### **Introduction to Marketing**

The activities involved in the flow of goods and services from the manufacturer to the consumer. A consumer approach to marketing is stressed. Decisions on product, place, promotion, and pricing. Other related marketing topics and how they are used to develop policies and strategies.

**BADM 204-3 (BC=3)***(3-0) 15 weeks***Interpersonal Skills**

Theory and skills of interpersonal relations. Topics include: understanding and improving interpersonal relationships, perception, customer service, negotiation skills, conflict resolution, giving and receiving feedback, presentation skills, coaching and counselling, interviewing skills.

**BADM 210-3 (BC=3)***(3-0-0) 15 weeks***Business Technology I**

Provides an introduction to the efficient use of information technology applications that are commonly used in a business environment for numerical analysis, presentations, written communications, and file sharing.

**BADM 211-3 (BC=3)***(3-0-0) 15 weeks***Management Information Systems**

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. Completion of BADM 210 is recommended, or consent of the Donald School of Business.

**BADM 232-3 (BC=3)***(3-0) 15 weeks***Business Technology II**

Students will research, use and evaluate a variety of current technologies related to business. Through simulations and projects, the students will gain experience in the setup, operation and issues of modern business technology.  
Prerequisite: BADM 210.

**BADM 233-3 (BC=3)***(3-0) 15 weeks***Web Development**

This course introduces the students to coding for the web. Students will learn advanced programming in HTML as well as introductory concepts in CGI scripting and XML.

Prerequisite: BADM 210.

**BADM 234-3 (BC=3)***(3-0) 15 weeks***Web Design**

Students will learn advanced web design using web authoring tools. Students will be furthering their knowledge of design and web layout by utilizing a variety of multimedia development tools.

Prerequisite: BADM 210.

**BADM 235-3 (BC=4)***(3-1) 15 weeks***Applied Database Development**

Expands on the construction of simple database models to those involving more complex designs that deal with the interactions of multiple entities. Focuses on using tools that facilitate the development of user-specific applications on a stable database infrastructure. Complex forms and reports and the usage of scripts using SQL or similar languages will be explored.

Prerequisite: BADM 210.

**BADM 238-3 (BC=4)***(3-1) 15 weeks***Electronic Commerce**

The focus will be on the business strategies and procedures necessary to use the Internet to deliver goods and services  
Prerequisite: CSYS 100 or BADM 207, or BADM 210, or consent of department.

**BADM 240-3 (BC=3)***(3-0) 15 weeks***Personal Selling**

The role of selling in the business world. The nature and rewards of selling. Details of the salesperson's job and qualifications. Knowledge and skills needed for successful selling. The sales process. The salesperson's personal, customer, and social responsibilities.

Prerequisite: BADM 132.

**BADM 241-3 (BC=3)***(3-0) 15 weeks***Marketing Communications**

Emphasis on the concepts and components of integrated marketing communications (IMC) and the management of strategic and creative components involved in developing effective marketing communication campaigns. Understanding of target audience behavior, communication theories and communication effectiveness concepts will be examined.

Prerequisite: BADM 132.

**BADM 242-3 (BC=3)***(3-0) 15 weeks***Marketing Research**

Methods of defining problems, collecting data, analysing data, and presenting results for marketing problems. Research methods used in all functions of business. Specific areas of market research, including the use of focus groups. Emphasis is on the marketing function of research.

Prerequisite: BADM 132.

**BADM 243-3 (BC=3)***(3-0) 15 weeks***Marketing Surveys**

Marketing survey theory and skills. Research project, including designing and administering a questionnaire and tabulating and evaluating the project. Group and individual work.

Prerequisite: BADM 242.

**BADM 247-3 (BC=3)***(3-0) 15 weeks***Retail Management**

An introduction to retail management. Topics such as location analysis, pricing, advertising and promotions, store layout and design, competition evaluation, and staff management will be discussed.

Prerequisite: BADM 132.

**BADM 249-3 (BC=3)****(3-0) 15 weeks****Events Management**

Theory and practice of planning, implementing, coordinating, marketing and evaluating various types of events including award ceremonies, convention planning, trade shows, fundraisers, festivals, seminars, and concerts.

Prerequisite: BADM 132 or consent of department.

**BADM 251-3 (BC=3)****(3-0) 15 weeks****Entrepreneurship**

This course develops the tools necessary for both future entrepreneurs and those already active in the business community to compete effectively in the world of commerce. Prospective entrepreneurs will learn how to investigate and evaluate business opportunities, and to acquire the skills and knowledge needed to establish new business ventures, as well as, how to meet the organization's social responsibility to its community.

Note: Designed for BADM students.

Note: Not open to students in the first year without consent of the department.

**BADM 253-3 (BC=3)****(3-0) 15 weeks****Project Management**

Designed to explore the basic elements of project management. This includes planning, scheduling, maintaining progress of the activities that comprise a project. By applying knowledge gained to actual projects, students are able to understand project life cycles, scheduling, planning, control and implementation.

**BADM 254-3 (BC=3)****(3-0-0) 15 weeks****Organizational Learning and Development**

Provides students with the theoretical concepts as well as practical skills for assessing, designing and developing learning initiatives from a broader organizational and strategic perspective. Provides an overview to strategic learning and development, assessment of learning and development interventions, and assessment of individual and organizational performance.

Corequisite: BADM 281.

**BADM 256-3 (BC=3)****(3-0-0) 15 weeks****Compensation and Benefits**

Provides a comprehensive framework for the development of compensation strategy and compensation systems by organizations. Topics include job evaluation, compensation surveys, performance pay, stock and profit sharing plans, and employee benefits plans.

Corequisite: BADM 281.

**BADM 258-3 (BC=3)****(3-0-0) 15 weeks****Recruitment and Selection**

Design and implement strategic recruitment and selection initiatives. Analyze and develop job requirements, consider legal issues, and utilize effective hiring and training methods.

Corequisite: BADM 281.

**BADM 260-3 (BC=3)****(3-0) 15 weeks****Introduction to Corporate Finance**

The role of finance in today's business firms. Cash budgets, financial forecasting and analysis, and sources and uses of funds. Effective management of current assets, working capital, and fixed assets. Capital budgeting and methods of evaluating capital projects, with emphasis on discounted cash flow techniques. Class discussion of relevant case problems.

Prerequisite: FINS 150 and ACCT 102/103 or 202, or consent of the Donald School of Business.

Note: Designed for second year Business Administration students.

**BADM 261-3 (BC=3)****(3-0) 15 weeks****Financial Management**

The firm's optimal capital structure. Short-term, intermediate, and long-term sources of capital funds. Leasing, dividend policy, ledgers, and acquisitions. Class discussion of relevant case problems.

Prerequisite: BADM 260.

**BADM 262-3 (BC=3)****(3-0) 15 weeks****Investments**

Practical and theoretical aspects of investing in marketable securities are explored. Stocks, bonds, and other marketable securities, such as exchange traded funds and mutual funds, will be discussed. In particular the risks and returns from investing will be reviewed within the context of various types of securities markets. Various theories in behavioral finance are also discussed.

Prerequisite: ACCT 103 or 202.

**BADM 270-3 (BC=3)****(3-0) 15 weeks****Business Integration**

Integration of learning from other courses in the Business Administration program and development of strategic thinking. In addition to studying the theory and application of business strategy, students will also run their own companies in a competitive business simulation, analyse the performance of companies and the environment, and make presentations to management.

Prerequisite: Completion of all first year Business Administration and/or Financial Services diploma courses.

Prerequisite or Corequisite: BADM 260 or BUS 310.

Note: Not eligible for challenge or Advanced Standing.

**BADM 280-3 (BC=3)****(3-0) 15 weeks****Labour Relations**

Labour relations and collective bargaining. Labour legislation, negotiating and administering collective agreements, and settling disputes. Concepts, theories, legislation, history, practices, and current trends and issues in the Canadian industrial relations system.

Prerequisite: BADM 281.

**BADM 281-3 (BC=3)****(3-0) 15 weeks****Human Resource Management**

An introduction to human resource issues for the employee, supervisor, manager, and human resources staff. Planning, recruitment, selection, compensation, performance appraisal, and labour relations issues will be discussed.

Note: Designed for BADM students.

Note: Not open to students in the first year without consent of the department.

**BADM 285-3 (BC=3)****(3-0) 15 weeks****Introduction to Tax Planning**

Topics covered include corporations, proprietorships, partnerships, taxation of various types of income, and property. The use of tax deferral and tax free structures is reviewed. Self-employment expenses are also covered.

Prerequisite: Completion of first year courses in Business Administration Diploma or Financial Services Diploma or consent of the department.

**BADM 290-3 (BC=3)****(3-0) 15 weeks****Work Practicum**

This course provides the student with an opportunity to work in a business setting and apply the skills he/she has learned in the Business Administration Program. Students are required to work at least 90 hours (normally unpaid) during the term. The instructor will assist in finding a suitable work placement.

Prerequisite: Completion of the 1st year of the Business Administration Program with a minimum GPA of 2.0.

**BADM 320-3 (BC=3)****(3-0) 15 weeks****Selected Topics in Management**

Specialized areas of managerial or entrepreneurial concerns, or both. Functional areas of business, including management, marketing, finance, accounting, and human resources. Course offering and specific topics depend on if an instructor is available.

**BADM 321-3 (BC=3)****(3-0) 15 weeks****Selected Topics in Management**

Specialized areas of managerial or entrepreneurial concerns, or both. Functional areas of business, including management, marketing, finance, accounting, and human resources. Course offering and specific topics depend on if an instructor is available.

**BADM 327-1\* (BC=1)****(2-1) 5 weeks****Quantitative Methods Module For Accountants**

Selected Management Science and statistical topics for Accountants. Topics include linear programming, statistical decision theory, time series and index numbers.

Prerequisite: BUS 306 or BADM 111 or consent of the department.

\*The successful completion of both BADM 327 and BUS 307 will enable students to obtain transfer credit for CGA's Quantitative Methods I.

## Chemistry

Note: You must have a lab coat and safety glasses to take part in chemistry labs. You can buy these items at the College Bookstore. Please note that contact lenses are not permitted in the labs. Note: Not all courses listed may be offered. Check Course Timetable for availability.

**CHEM 203-3 (BC=4)****(3-1S-3/2) 15 weeks****Introductory University Chemistry I**

The first introductory-level chemistry course that focusses on the foundations of atomic properties and chemical reactions. Topics include: stoichiometry, reactions and titrations, ideal gases, atomic structure and bonding, chemical equilibrium, and acids and bases.

Prerequisite: Chem 30 or equivalent, Math 30-1.

Corequisite: MATH 202 (203 or 212).

Note: For Engineering students.

**CHEM 205-3 (BC=4)****(3-1S-3/2) 15 weeks****Introductory University Chemistry II**

The second introductory-level chemistry course that further expands upon the foundations of various chemical reactions and systems by discussing their equilibrium and reaction rates. Topics include: buffers, titration curves, solubility and complex ion equilibria, thermodynamics and thermochemistry, chemical kinetics, and electrochemistry.

Prerequisite: CHEM 203.

Corequisite: MATH 204 or 213.

Note: For Engineering students only.

**CHEM 211-3 (BC=4)****(3-1S-3) 15 weeks****Introductory University Chemistry I**

The first introductory-level chemistry course that focusses on the foundations of atomic properties and chemical reactions. Topics include: stoichiometry, reactions and titrations, ideal gases, atomic structure and bonding, chemical equilibrium, and acids and bases.

Prerequisite: Chem 30 and Math 30-1.

**CHEM 212-3 (BC=4)****(3-1S-3) 15 weeks****Introductory University Chemistry II**

The second introductory-level chemistry course that further expands upon the foundations of various chemical reactions and systems by discussing their equilibrium and reaction rates. Topics include: buffers, titration curves, solubility and complex ion equilibria, thermodynamics and thermochemistry, chemical kinetics, and electrochemistry.

Prerequisite: CHEM 211.

**CHEM 251-3 (BC=4)****(3-1S-3) 15 weeks****Introductory Organic Chemistry I**

An introduction to the chemistry of carbon compounds. Nomenclature, physical properties, stereochemistry and reactions of hydrocarbons, alcohols, thiols, alkyl halides, ethers and epoxides. Use of organic molecules in industry and biology.

Prerequisite: Chem 30.

Note: Students normally take CHEM 251 after receiving credit in CHEM 211, although CHEM 211 is not a prerequisite. CHEM 352 is a continuation of CHEM 251. You can only get credit for one of CHEM 241 and 251.

Note: This course is restricted to pre-pharmacy students or departmental approval. You will only receive credit for one of CHEM 241, CHEM 251 and CHEM 351.

**CHEM 311-3 (BC=4)****(3-0-4) 15 weeks****Quantitative Analysis I**

Principles, methods, and experimental applications. Solution I equilibria, titrimetry, volumetric laboratory skills and evaluating experimental data are emphasized. Examples of organic and inorganic analysis. Prerequisite: CHEM 212.

**CHEM 313-3 (BC=4)****(3-0-4) 15 weeks****Quantitative Analysis II**

CHEM 311 continued. Principles, methods and experimental applications of separation techniques, atomic and molecular spectrometry, electrochemistry, and evaluation of experimental data. Examples of organic and inorganic analysis. Use of analytical literature. Prerequisite: CHEM 311.

**CHEM 351-3 (BC=4)****(3-1S-3) 15 weeks****Organic Chemistry I**

An introduction to the chemistry of carbon compounds. The molecular structure, nomenclature, reactions, reaction mechanisms and stereochemistry of hydrocarbons, and some functional groups including haloalkanes, alcohols, thiols, ethers and epoxides. Important organic compounds related to industry, agriculture and everyday use are introduced.

Prerequisites: CHEM 203 or CHEM 211.

Note: You can only get credit for one of CHEM 241, CHEM 251 and CHEM 351.

**CHEM 352-3 (BC=4)****(3-1S-3) 15 weeks****Organic Chemistry II**

This course is a continuation of CHEM 251 or CHEM 351. Nomenclature, physical properties, stereochemistry, synthesis, and reaction of aldehydes, ketones, carboxylic acids and derivatives, carbohydrates, amino acids, proteins and amines. Chemistry of biomolecules. Use of spectroscopic tools. Industrial, environmental and biological implications.

Prerequisite: CHEM 251 or CHEM 351.

**CHEM 370-6 (BC=8)****(3-3) 30 weeks****Elementary Physical Chemistry**

Gas laws. The laws of thermodynamics. Calorimetry. Phase equilibria, chemical equilibria, and solution theory. Electrochemistry. Kinetic molecular theory. Chemical kinetics. Catalysis.

Prerequisites: CHEM 212 or equivalent, MATH 204 or equivalent.

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**Classics****CLAS 209-3 (BC=3)****(3-0) 15 weeks****Early World History I**

For description, see under HISTORY courses.

**CLAS 320-3 (BC=3)****(3-0) 15 weeks****Roman History**

For description, see under HISTORY courses.

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**Communications**

Students may take a College placement test before registering in a 200-level written communications course. (Students with 60% or greater in English 30 or ELA 30-1 will be exempted from this test). Students who do not achieve a satisfactory mark in this test will be required to complete COMM 150 before they can register in the required 200-level course. Students should take the placement test early in the event preparatory work (COMM 150) is required.

**Course Equivalencies**

For program completion requirements at RDC, COMM 250, 252, 254, and 256 are equivalent to each other. These courses, though equivalent at RDC, may not transfer to other institutions in the same way. Please see an academic advisor for more information on specific transferability of all COMM courses.

**COMM 140-3 (BC=3)****(3-0) 15 weeks****Fundamentals of Workplace Communications**

Introduction to written and oral communications with an emphasis on grammar, basic sentence structure, short business correspondence, and an introduction to effective oral communication, with the public, in the workplace.

COMM 140 is not accepted as a prerequisite for COMM 200 level courses.

**COMM 150-3 (BC=3)****(3-0) 15 weeks****Fundamentals of College and Workplace Writing**

Practice in fundamental writing skills with an emphasis on grammar, basic business correspondence, and short reports for business or college. COMM 150 is accepted as a prerequisite for COMM 200 level courses.

**COMM 191-3 (BC=3)****(3-0) 15 weeks****Oral Communications**

Theory and practice in interpersonal communications for the workplace. Students will consider such issues as perception, listening, non-verbal communications, conflict resolution, self-disclosure, and the nature of groups while developing skills related to interviewing, participating in meetings, working effectively with a team, and informative and persuasive public speaking.

Note: Not eligible for challenge.



**COMM 210-3 (BC=3)****(3-0-0) 15 Weeks****Communication for Creative Arts**

Prepares students for effective, professional communication in the creative arts. The emphasis is on mechanics, style, tone, and organization of messages including reviews of current media, employment documents, social media profiles, and oral presentations.

**COMM 250-3 (BC=3)****(3-0) 15 weeks****Business and Workplace Writing**

Theory and practice in composition to prepare students for academic and professional work in business and office environments. Emphasis will be on mechanics, style, tone and organization of communications including research reports, memos, letters, business proposals and resumes.

Prerequisite: Placement criteria must be met (see above).

**COMM 252-3 (BC=3)****(3-0) 15 weeks****Technical and Scientific Writing**

Theory and practice in composition to prepare students for academic and professional work in scientific and technological fields. Emphasis will be on mechanics, style, tone and organization of communications including abstracts, reports, research projects, letters and resumes.

Prerequisite: Placement criteria must be met (see above).

**COMM 254-3 (BC=3)****(3-0) 15 weeks****Human Services Writing**

Theory and practice in composition to prepare students for academic and professional work in human services. Emphasis on the effective use of mechanics, style, tone and organization of communications. Applications include critical reading, objective observation, secondary research, and collaborative writing.

Prerequisite: Placement criteria must be met (see above).

**COMM 256-3 (BC=3)****(3-0) 15 weeks****Writing Skills for the Fine Arts**

Theory and practice in composition to prepare students for academic and professional work in the cultural arts. Students will analyze and interpret texts as well as produce clear, well-structured, and mechanically sound compositions.

Prerequisite: Placement criteria must be met (see above).

**COMM 271-3 (BC=3)****(3-0-0) 15 weeks****Introduction to Communications Studies**

Overview of the development and key theoretical areas within the field of Communications Studies, with focus on how communication can serve as an agent of social and cultural change. Major topics to be studied include language, rhetoric, mass media, cultural studies, interpersonal and oral communication, and organizational communication. Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program

Prerequisite: ELA 30-1.

**COMM 294-3 (BC=3)****(3-0) 15 weeks****Group Communication**

Theory and practice of communication in small groups. Interpersonal communication, group dynamics, meetings, making decisions, solving problems, resolving conflict, leadership, and team building.

Note: Not eligible for challenge.

**COMM 313-3 (BC=3)****(3-0-0) 15 weeks****Research Methods**

Introduction to academic and practical communication research methods. Critically examine and practice basic application of qualitative and quantitative methods. Examine how research methods relate to theoretical approaches of communication and knowledge production. Ethical implications of research methods will be considered.

**COMM 321-3 (BC=3)****(3-0-0) 15 weeks****Special Topics in Communications**

Focus on trends, theory, and/or the practice of communications and media studies. Topics will vary. Sample topics might include organizational communication, risk communication, health communication.

**COMM 341-3 (BC=3)****(3-0-0) 15 weeks****New Media, Technology, and Society**

Study the implications of information technology for political, social and economic organization, individual psychology, and concepts of knowledge. Historical, ethical and legal implications will be discussed. Note: This course assumes only very basic familiarity with computers at the "user" level. Familiarization with more advanced applications will be provided as required.

Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program

**COMM 351-3 (BC=3)****(3-0) 15 weeks****Visual Culture**

Students in this course will examine contemporary western visual culture, as it is constituted by visual modes of communication. Through analysis of images in art, print advertising, documentary photography, and a range of television, video, and film genres, students will investigate the relation of cultural practices, ideologies and institutions to the production and reception of visual messages.

Prerequisite: ELA 30-1 or equivalent.

**COMM 361-3 (BC=3)****(3-0) 15 weeks****Communicating Through Speech and Writing**

This course focuses on helping students communicate more effectively through their writing and speaking. Students will examine classical and contemporary rhetoric to gain an appreciation of the history and theory of the rhetorical tradition. Students will also put theory into practice through construction of essays and speeches.

Prerequisite: ELA 30-1.

Note: Students cannot receive credit for both COMM 361 & COMM 369.

**COMM 363-3 (BC=3)****(3-0-0) 15 weeks****Professional and Technical Communication**

Introduction to the principles and practice of professional and technical communication, using various written media. Examine how organizational culture and audience expectations shape communication in workplace contexts and plan, prepare and deliver professional and technical information in support of an organization's communications goals.

**COMM 369-3 (BC=3)****(3-0-0) 15 weeks****Classical Persuasion**

Understand how the ideas of Aristotle and other theorists apply to communication work and the media by learning effective persuasion, audience and situational analysis, rhetorical theory, and ethics. Discuss current events; apply classic techniques to improve written and oral arguments; and, critically evaluate texts like news articles, videos, and essays. Prerequisite: COMM 271

**COMM 371-3 (BC=3)****(3-0-0) 15 weeks****Critical Media Studies**

Analyze everyday media like advertising, television, film, videogames, and magazines. Use interpretative tools such as psychoanalysis, Marxism, gender and queer theory to learn how media changes lives, what makes a book or TV show a success, what forces affect the images, and what makes Canadian media unique. Prerequisite: COMM 271

**COMM 375-3 (BC=3)****(3-0-0) 15 weeks****Mass Communication in Canada**

Examine the role of mass media in Canadian society including television, newspapers, magazines, film, books, and new technologies. Focus on the historical development, policies, financial issues, and audience reception of media in Canada. Consider the role of mass media in a global context and in relation to the United States. Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program.

**COMM 381-3 (BC=3)****(3-0-0) 15 weeks****History of Communication**

Overview of the development of major communication systems throughout history, together with the historical and social contexts in which they occurred and changed. Focus on technological advancements and theoretical understanding of how advancements have shaped and reflected society and individuals. Consider theoretical perspectives on the role of communication in history.

Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program

**COMM 383-3 (BC=3)****(3-0-0) 15 weeks****Introduction to Public Relations**

Introduction to the theory and practice of Public Relations, with focus on the Canadian context. Consider the history and development of public relations, various professional roles and occupations in public relations, and key theories. Prepare public relations tools such as press releases, backgrounders, press kits, PR plans and speeches. Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program

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## Computing Science

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**CMPT 201-3 (BC=4)****(3-3) 15 weeks****Programming: A Gentle Introduction to Computing**

This course provides an overview of computing science concepts for students with little or no programming background. Topics include: representation of data; machine architecture; operating system concepts; properties of algorithms and computational problems; syntax of a high level procedural programming language; basic data types and control structures. Students do introductory programming for a portion of the course. Intended for students with no computing experience. Note: U of A will not grant credit for this course if credit was first obtained in CMPT 214 or equivalent.

**CMPT 214-3 (BC=4)****(3-3) 15 weeks****Introduction to Computing Science**

Computer architecture, operations and data storage. Machine language and assembler programming. Scientific applications and systems programming in C++. Functions parameter passing and recursion. The programming will progress from the structured perspective to the object oriented paradigm.

Prerequisite: Math 30 (Pure).

Corequisite: MATH 202 or 203.

**CMPT 215-3 (BC=4)****(3-3) 15 weeks****Elementary Data Structures**

Using a high level language to present and manipulate data structures. Strings, arrays, and linked lists. Stacks, queues, and trees. Uses of data structures.

Prerequisite: CMPT 214 or 351 and consent of the Department.

**CMPT 261-3\* (BC=3)****(3-0-3) 15 weeks****Introduction to Computing**

Introduce computers and strengthen research skills, computer theory concepts and use of word processing, spreadsheet and presentation applications. This course will provide a comprehensive foundation of computer literacy in support of university-level study. Delivered in a self-directed format with optional face-to-face support.

**CMPT 262-3 (BC=4)****(3-0-3) 15 weeks****Introduction to Structured Programming**

CMPT 261 continued, using a high level language on a personal computer. Program control. Functions and subprograms. Arrays. Manipulating strings. Sequential and random access files. Buttons, windows, dialogue boxes, and menus. Designing userfriendly programs. Non-numerical applications are stressed.

Prerequisite: CMPT 261.

Note: Not open to Bachelor of Science students.

**CMPT 272-3 (BC=3)***(3-1) 15 weeks***Formal Systems and Logic in Computing Science**

Propositional and predicate logic. Boolean algebra and circuit design. Verifying programs and proofs. Formal languages, regular expressions, and finite state machines. Other formal systems useful in Computing Science.

Prerequisite: CMPT 214.

Corequisite: CMPT 215.

**CMPT 351-3 (BC=4)***(3-3) 15 weeks***Elements of Programming I**

Basic programming techniques using a high level language. Representing and manipulating numeric and non-numeric data. Computing systems, history, and uses. (C++ language)

Note: You cannot have credit in both CMPT 214 and 351.

Prerequisite: Math 30.

**CMPT 360-3 (BC=4)***(3-3) 15 weeks***Introduction to Object-Oriented Programming**

Theory and practical application of object-oriented programming. Graphical interfaces. Object-oriented approach to program design and programming techniques, language translators, and virtual machines.

Prerequisite: Consent of the Department

**Creation****CREA 105-3 (BC=2)***(1-0-2) 15 Weeks***Creative Core**

An introduction to the School of Creative Arts, Red Deer College, and the City of Red Deer and Area through exploration, interaction, and dissemination of knowledge.

**CREA 110-3 (BC=3)***(3-0-0) 15 Weeks***Storytelling I**

Analyze how fictional stories and narratives work in a variety of media. Learn story basics through an introduction to archetypal stories and myth, basic structure and arcs, and examine different aspects of plot and character. Examine how different media and interfaces influence the ways in which stories are told.

Prerequisite: Comm 210

**Dance**

See listings under "Kinesiology & Sports Studies," page 164.

**Drama****DRAM 201-3 (BC=3)***(3-0) 15 weeks***Play Analysis**

Understanding drama through critical analysis of plays. Using analysis for creative solutions in play productions.

**DRAM 202-3 (BC=3)***(3-0) 15 weeks***Introduction to Theatre Art**

The origins and development of theatre art. Introduction to theatre history and theatre aesthetics.

**DRAM 203-3 (BC=3)***(3-0) 15 weeks***Introduction to Dramatic Movement**

Releasing, developing, and expanding physical resources basic to movement in acting. Developing body awareness.

**DRAM 204-1 (BC=1)***(2-1) 15 weeks***Singing for the Stage**

Developing the voice through choral singing and coaching. Vocal range, technique, and musicality.

Note: Open to Theatre Studies Acting students only.

**DRAM 249-3 (BC=3)***(1-5) 15 weeks***Introduction to Dramatic Process**

Improvising speech and movement, with emphasis on imaginative development. The process of acting and dramatic form. Developing communication skills. Not accepted for credit in the Theatre Studies Program. Not available to students with credit in DRAM 350.

**DRAM 301-1 (BC=1)***(0-3)***Production Workshop I**

Student initiated project work involving theatre production or theatre related research.

Note: Open to all students, subject to approval of the Theatre Studies Department.

**DRAM 321-3 (BC=3)***(1-3) 15 weeks***Creative Drama**

Use of dramatic technique in a variety of group projects to develop self-expression. This course will serve leaders and teachers at all levels. Former experience in theatre is not required.

**DRAM 347-3 (BC=3)***(2-2.5) 15 weeks***Introduction to Oral Communication**

Freeing the natural voice. Developing body awareness related to the voice: breathing, resonance, projection, articulation, and range. Exploring basic techniques of oral communication and interpretation, drawing from various forms of literature.

**DRAM 350-3 (BC=4)***(3-3) 15 weeks***Introduction to Acting**

The process of acting and dramatic form through dramatic improvisation. Formerly DRAM 251.

**DRAM 353-3 (BC=3)***(1-5) 15 weeks***Scene Study I**

The study of acting, including analyzing and enacting scripted scenes and characterization.

Prerequisite: DRAM 249 or 350 or 321 or consent of the Department.

**DRAM 383-3** (BC=4)  
*(3-3) 15 weeks*  
**Introduction to Directing**  
Fundamentals of directing through practical exercises.  
Prerequisite: DRAM 353 or THTR 141 and consent of the Department.

**DRAM 483-2** (BC-2)  
*(0-6) 15 weeks*  
**Advanced Directing**  
Develop the director's creative use of the elements of directing.  
Prerequisite: DRAM 383.

## Early Learning & Child Care

(These courses are intended for Early Childhood Development students, but can be taken by other students with consent of the Associate Dean). With the exception of practicum courses, all ELCC courses can be taken in any sequence.

**ELCC 201-3** (BC=3)  
*(3-0) 15 weeks*  
**Foundations of Early Learning & Child Care**  
The characteristics and roles of Early Childhood professionals in various program settings. Recent positions and issues on quality in child care. Routines and transitions. Health, nutrition, and safety information and implications for practice. Anti-bias curriculum.

**ELCC 206-3** (BC=3)  
*(3-0) 15 weeks*  
**Child Development & Exceptionalities**  
Physical, cognitive, moral, creative, and social emotional development of children ages five through eight. Attitudes, trends, and issues in providing services to children with special needs. Overview of basic types of exceptionality.

**ELCC 210-4** (BC=4)  
*(200 hours) Includes 15 hours seminar*  
**Practicum I**  
Practical experience with young children in community programs. Part time students must complete ELCC 210 between the fourth and seventh courses. Program consent is required for atypical registration requests. Note: This course will be evaluated using a credit (pass)/non-credit (fail) grading system. Note: May be eligible for challenge. This course may satisfy requirements for EDAS 114.

**ELCC 211-3** (BC=3)  
*(3-0) 15 weeks*  
**Child Development**  
Exploration of developmental theories. Methods of observing and recording children's behavior. Study of prenatal development. Physical, cognitive, moral, creative, and social emotional development of infants, toddlers, and preschoolers.

**ELCC 212-3** (BC=3)  
*(3-0) 15 weeks*  
**Program Planning I**  
Play theories and issues. Understanding the role of play in children's development, and the role of adults in guiding and providing play experiences. Planning for sensory play, art play, and appropriate infant/toddler developmental experiences.  
Note: These courses can be taken in any sequence.

**ELCC 213-3** (BC=3)  
*(3-0) 15 weeks*  
**Interpersonal Relations I**  
Self-understanding and self-acceptance as the basis of a professional's ability to understand and value others. Gaining knowledge of self and communication theories and skills. This course will satisfy requirements for EDAS 116.

**ELCC 215-3 (BC=3)**  
*(3-0) 15 weeks*  
**Program Planning II**  
Understanding dramatic play and emergent literacy development. Planning socio-dramatic experiences. Identifying quality children's literature. Sharing stories with children. Fostering language development in young children.  
Note: These courses can be taken in any sequence.

**ELCC 217-3** (BC=3)  
*(3-0) 15 weeks*  
**Guiding Behavior**  
Understanding and fostering self-esteem in young children. Practical information on appropriate strategies to help develop children's social-emotional behavior using a "guidance" approach. Establishing partnerships between families and early childhood professionals.

**ELCC 218-3** (BC=3)  
*(3-0) 15 weeks*  
**Program Planning III**  
Planning for play (including environments & schedules) and group times. Exploration of physical, construction, block, woodworking, manipulative, and outdoor play. Introduction to music and song.  
Note: These courses can be taken in any sequence.

**ELCC 220-4** (BC=4)  
*(200 hours) Includes 15 hours seminar*  
**Practicum II**  
Practical experience with young children in community programs, extending the objectives of ELCC 210. Part time students must complete ELCC 220 between the seventh and tenth courses. Consent of the Associate Dean is required for atypical registration requests.  
Prerequisite: ELCC 210.  
Note: This course will be evaluated using a credit (pass)/non-credit (fail) grading system. Note: May be eligible for challenge Year 2  
With the exception of practicum courses, all ELCC courses can be taken in any sequence.

**ELCC 305-3** (BC=3)  
*(3-0) 15 weeks*  
**School Age Care**  
Child care, developmental needs, and appropriate interactions with children age six through age twelve. Regulations and administration of school age care programs. Providing quality experiences for children in school age programs. Course content presented on-line. This is an option course, and students are required to take one of the three ELCC options provided OR one other option approved by the Associate Dean. This course is open to unclassified students.

**ELCC 308-3 (BC=3)****(3-0) 15 weeks****Family Support**

The nature of family support work. Early intervention for at-risk families. Strategies and techniques for supporting families. Establishing helping relationships. Content presented on-line. This is an option course and students are required to take one of the three ELCC options provided OR one other option approved by the Associate Dean. Prerequisite: ELCC 321 recommended. ELCC Certificate or consent of Associate Dean.

**ELCC 309-3 (BC=3)****(3-0) 15 weeks****Aboriginal Children and Families**

Focus on past traditions and contemporary issues facing Aboriginal children, families and communities. Emphasis on deepening knowledge and enhancing skills for education, caring and working in partnership with Aboriginal people. Course content presented on-line. This is an option course and students are required to take one of the three ELCC options provided OR one other option approved by the Associate Dean. This course is open to unclassified students.

**ELCC 310-5 (BC=5)****(200-250 hours)****Includes 15 hours seminar****Practicum III**

Practical experience with young children in a diverse range of community programs, extending the objectives of first year practicums. Part-time students must complete ELCC 310 between the fourth and seventh courses. Consent of the Associate Dean is required for atypical registration requests. Note: This course will be evaluated using a credit (pass)/non-credit (fail) grading system. Prerequisite: ELCC Certificate or consent of Associate Dean. Note: May be eligible for challenge.

**ELCC 313-3 (BC=3)****(3-0) 15 weeks****Interpersonal Relations II**

Developing skills that will help in relating to others more effectively: self-esteem, conflict resolution, assertiveness, support skills, team skills, etc. Strategies for applying these skills in working with children, families and colleagues.

Prerequisite: ELCC Certificate or consent of Associate Dean.

**ELCC 314-3 (BC=3)****(3-0) 15 weeks****Children in Society**

Exploration of social, economic, religious, and educational systems and their impact on families in Alberta, Canada, and the world. Social, historical, and theoretical influences on child care. Focus on supporting families, professional advocacy, and on program planning that meets diverse needs.

Prerequisite: ELCC Certificate or consent of Associate Dean.

**ELCC 315-3 (BC=3)****(3-0) 15 weeks****Program Administration**

Roles and functions of program administrators, coordinators, and home visitors in management and administration, program policies and procedural guidelines, record keeping and information systems, financial management and administration, and staff supports for operating day cares, nursery schools, and family day home programs in Alberta. Course content presented on-line.

Prerequisite: ELCC Certificate or consent of the Associate Dean.

**ELCC 317-3 (BC=3)****(3-0) 15 weeks****Program Planning V**

Expanding experiences in early childhood art, music, creative dramatics, and group times. Planning appropriate environments and experiences for fostering literacy development.

Prerequisite: ELCC Certificate or consent of Associate Dean.

Note: These courses can be taken in any sequence.

**ELCC 320-5 (BC=5)****(200-250 hours)****Includes 15 hours seminar****Practicum IV**

Practical experience with young children in a diverse range of community programs, extending the objectives of prerequisite ELCC 310. Part-time students must complete ELCC 320 between the seventh and tenth courses. Consent of the Associate Dean is required for atypical registration requests. Prerequisite: ELCC 310.

Note: This course will be evaluated using a credit (pass)/non-credit (fail) grading system.

Note: May be eligible for challenge.

**ELCC 321-3 (BC=3)****(3-0) 15 weeks****Family Studies**

The family as an integral institution in society. Various family forms, and the specific organization, functions, dynamics, and influences on individual family members. Focus is on the stresses facing contemporary families, and especially their impact on children.

Prerequisite: ELCC Certificate or consent of Associate Dean.

**ELCC 323-3 (BC=3)****(3-0) 15 weeks****Program Planning IV**

Program planning in diverse early childhood settings. Includes planning math, science, and technological experiences. Parent and community involvement. Record keeping, child assessment, program evaluation.

Prerequisite: ELCC Certificate or consent of Associate Dean.

Note: These courses can be taken in any sequence.

**ELCC 325-3 (BC=3)****(3-0) 15 weeks****Children With Special Needs**

Care and education of children with special needs in inclusive environments. Exploration of both developmental and behavioral program strategies to deal with children's exceptionalities. Emphasis on team planning with families and professionals.

Prerequisite: ELCC Certificate or consent of Associate Dean.

## Earth & Atmospheric Sciences

### EAAS 201-3 (BC=4) (3-0-3) 15 weeks Planet Earth

An introduction to the origin and evolution of the Earth in terms of its major systems: rock materials, atmosphere/climate, hydrology, oceans, ice, life and human interactions

## Economics

Note : Not all courses listed may be offered. Check Course Timetable for availability.

### ECON 100-3 (BC=3) (3-0) 15 weeks Introduction to Business Microeconomics

Terminology, concepts, theory, methods, and limitations of current microeconomic analysis. Analyzing and understanding economics as it relates to individuals and businesses. How political, social, and market forces determine and affect the Canadian economy. Credit will not be granted for both ECON 100 and 201.

### ECON 101-3 (BC=3) (3-0) 15 weeks Introduction to Business Macroeconomics

Terminology, concepts, and theory used to understand, analyse, and evaluate the overall performance of an economy. Defining and using economic indicators. Canadian banking system. Inflation and unemployment. Monetary and fiscal policy. Foreign control. Economic growth. International trade. Credit will not be granted for both ECON 101 and 202.

### ECON 201-3 (BC=3) (3-0) 15 weeks

#### Introduction to Microeconomics

Scarcity and choice. Methods used in economic science. Specialization, markets, and exchange. Supply and demand. Roles of consumers, firms, and resource owners in competitive and monopolistic markets. International trade. Government intervention. Emphasis is on Canadian problems, issues, policies, and institutions. Credit will not be granted for both ECON 100 and 201.

Note: It is recommended that you have Grade 12 level Math or equivalent as background.

### ECON 202-3 (BC=3) (3-0) 15 weeks

#### Introduction to Macroeconomics

Defining and measuring aggregate economic variables. National income and monetary theory. Government monetary and fiscal policies. Unemployment and inflation. Exchange rates and balance of payment. Emphasis is on the Canadian economy.

Prerequisite: ECON 201 Credit will not be granted for both ECON 101 and 202.

Note: It is recommended that you have Grade 12 level Math or equivalent as background.

### ECON 323-3 (BC=3) (3-0) 15 weeks

#### International Economics

Emphasis is on basic international trade theories and policies. Gains from exchange and specialization. International factor movements. Theory of tariff and non-tariff barriers. Exchange rates. Balance of payments. International debt.

Prerequisite: ECON 201 and 202. Note: Not to be taken if credit received for ECON 325 or 327.

### ECON 325-3 (BC=3) (3-0-0) 15 weeks

#### International Trade

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.

Prerequisite: ECON 100 and 101 or ECON 201 and 202 or consent of the Donald School of Business.

Note: Not to be taken if credit received in ECON 323.

### ECON 327-3 (BC=3) (3-0-0) 15 weeks

#### International Money and Finance

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.

Prerequisite: ECON 100 and 101 or ECON 201 and 202 or consent of the Donald School of Business.

Note: Not to be taken if credit received for ECON 323.

**ECON 329-3 (BC=3)***(3-0-0) 15 weeks***Economics of the Public Sector**

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.

Prerequisite: ECON 100 and 101 or ECON 201 and 202 or consent of the Donald School of Business.

**ECON 331-3 (BC=3)***(3-0) 15 weeks***Labour Economics**

Using microeconomic principles to analyze the labour market. The scope will include theory, empirical evidence, and policy issues. Emphasis is on the Canadian economy. Labour supply and labour demand. Equilibrium wages and employment levels in both competitive and non-competitive labour markets. Wage differentials, unions, and discrimination.

Prerequisite: ECON 201.

**ECON 337-3 (BC=3)***(3-0) 15 weeks***Development Economics**

An introduction to the economic development process in developing nations. Analysis will include explanations for underdevelopment and examination of issues such as poverty, employment, income distribution, population growth, human capital, savings and investment, trade, foreign aid, and the role of markets and governments.

Prerequisite: ECON 100/101 or ECON 201/202, or consent of the Department.

**ECON 341-3 (BC=3)***(3-0) 15 weeks***Money and Banking**

Nature and functions of money. Money creation. Financial markets and financial intermediation. Industrial structure and regulation in Canadian banking. Elementary monetary theory. Central banking and monetary policy. International finance.

Prerequisite: ECON 100/101 or ECON 201/202, or consent of the Department.

**ECON 355-3 (BC=3)***(3-0) 15 weeks***Sports Economics**

Economic analysis of sports, with emphasis on professional team sports. Topics include demand for sports, the economic structure of leagues, winning and profitability, franchise values, pay and performance, free agency, arbitration, and discrimination. Policy issues such as competition law and government subsidies will also be considered.

Prerequisite: ECON 201.

**ECON 373-3 (BC=3)***(3-0) 15 weeks***Industrial Organization**

Basic theory of industrial organization economics, based on the analysis of market structure, conduct, and performance. Emphasis is on aspects of Canadian industry and competition policy. Concepts of market structure. The meaning and measurement of monopoly power. Competition. Barriers to entry. Product differentiation. Economies of scale. Oligopoly. Collusion. Advertising. Organization of the firm.

Prerequisite: ECON 201.

**ECON 381-3 (BC=3)***(3-1) 15 weeks***Intermediate Microeconomic Theory**

Theory of consumer behaviour. Theory of production and cost. Determining price and output under competition, monopoly, and other market structures.

Prerequisite: Math 30 (Pure), ECON 201.

**ECON 382-3 (BC=3)***(3-1) 15 weeks***Intermediate Macroeconomic Theory**

Determination of income, employment, prices, interest rates, exchange rates and balance of payments. Impact of supply shocks, fiscal policy and monetary policy.

Prerequisite: Math 30 (Pure), ECON 201 and 202.

## Education

(These courses are intended for Education students.)

**EDCM 341-3 (BC=3)***(3-0) 15 weeks***Communication in the Classroom**

By focusing on your interpersonal skills, this course examines communication in the classroom. Students will practice and improve these skills through presentations, small group work, role playing, and communication exercises.

**EDFN 341-3 (BC=3)***(3-0) 15 weeks***Concepts of Childhood in the History of Education**

A study of those views of childhood which have exerted a significant influence on educational theory and practice from antiquity to today.

**EDFX 203-3 (BC=4)***(45 hours lecture, 60 hours fieldwork) 15 weeks***Education Field Experience**

An introduction to the profession of teaching through observation and interaction with professional teachers and students. Learn educational topics and discuss field experiences. Course grading is credit/no credit requiring students to plan and schedule up to 6 hours per week in local schools in addition to attending the in-class seminar.

Note: Credit cannot be received for EDFX 203 and EDUC 250.

**EDIT 302-3 (BC=4)***(3-3) 15 weeks***Introduction to Educational Technology**

Examine frameworks, trends, issues and futuristic scenarios regarding the role of technology in education. Gain hands-on experience using technology with emphasis on strategies to integrate technology into the curriculum.

**EDPY 200-3 (BC=3)****(3-0) 15 weeks****Educational Psychology**

This course deals with the teaching-learning process and student behaviour. It includes theory, research, and illustrations all dealing with classroom applications of psychological principles. Topics will include the development of the student in the cognitive, moral, gender, psycho-social, and sexual domains theories of cognition learning, and motivation.

**EDPY 305-3 (BC=3)****(3-0) 15 weeks****Childhood Development and Learning**

Application of theory to educational practice and how teachers can provide appropriate learning opportunities that support diverse children's educational, physical, cognitive, social, cultural, moral, and psychological development. Topics will include human development and learning. This course would be of interest to students intending to work with children (ages 0-12).

Note: Credit cannot be received for both EDPY 305 and EDPY 200.

**EDPY 307-3 (BC=3)****(3-0) 15 weeks****Adolescent Development and Learning**

Application of developmental theory to educational practices through examination of biological and cognitive changes, their influence on social roles, individual differences, current problems, and supports for resiliency. Students reflect on how adolescent development impacts them as teachers. This course is for students intending to work with adolescents (ages 11-17).

Note: Credit cannot be received for both EDPY 307 and EDPY 200.

**EDUC 250-3 (BC=3)****(3-0) 15 weeks****The Contexts of Education**

Introduction to education with an emphasis on exploring being a teacher in contemporary society through different contexts and perspectives: historical, sociological, philosophical, Indigenous, political, and ethical. Recommend completion within first year of the program.

Note: Credit cannot be received for both EDPY 203 and EDUC 250.

**EDUC 251-3 (BC=3)****(3-0) 15 weeks****Aboriginal Education and the Context of Professional Engagement**

Pre-service teachers will continue to develop knowledge of Aboriginal peoples' histories, educational experiences, knowledge systems, ways of knowing and being and will further understand the implications of this knowledge to professional roles and obligations for teachers. Students will engage in learning processes of self-and-other awareness supported by Aboriginal educators, faculty and elders.

Prerequisite: EDUC 250.

Note: This prerequisite does not apply to Elementary and Secondary After Degree students.

**EDUC 310-3 (BC=3)****(3-0) 15 weeks****Introduction to Curriculum Studies**

Field of inquiry unique to Education. Considers mandated programs of study, theories, practices, and implications of teaching and learning. Prerequisites: One of EDCM 341, EDFN 341, EDFX 203, EDIT 302, EDPY 200, EDUC 250, FAM 322 or FAM 315.

**EDUC 320-3 (BC=3)****(3-0) 15 weeks****Media, Culture, and Curriculum**

Principles, perspectives, and practices for future teachers. Implications for childhood and adolescence, literacy, learning, critical thinking, creativity, gender, identity, and politics.

Prerequisites: One of EDCM 341, EDFN 341, EDFX 203, EDIT 302, EDPY 200, EDUC 250, FAM 322, or FAM 315.

## Educational Assistant

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**EDAS 111-3 (BC=3)****(3-0) 15 weeks****Role of the Assistant**

Clarification of the roles of the teacher and the educational assistant. Topics include code of conduct, job descriptions, tasks, Alberta Teachers' Association policies, classroom management techniques and positive school climate.

**EDAS 114-3 (BC=3)****(140 hours) 4 full weeks****Field Experience**

Working as an educational assistant for four weeks. Includes a seminar component. Scheduled after all coursework is complete. This course may satisfy requirements for ELCC 210.

Prerequisite: All courses except the EDAS option(s) must be successfully completed before taking EDAS 114.

**EDAS 116-3 (BC=3)****(3-0) 15 weeks****Human Relations**

Developing and increasing your understanding of self and others. Interpersonal skills required in supportive roles as a paraprofessional. This course will satisfy requirements for ELCC 213.

**EDAS 151-3 (BC=3)****(3-0) 15 weeks****Trends in Inclusive Practice**

Attitudes toward and services provided to persons with disabilities throughout history. Current trends and issues in inclusive education. Laws relating to persons with disabilities in the U.S., Canada, and Alberta in particular.

**EDAS 152-3 (BC=3)****(3-0) 15 weeks****Supporting Diverse Learners**

This course examines definitions, classification schemes, prevalence, causes, psychological and behavioural characteristics, and introduces educational considerations covering a diverse range of learning needs. This course will satisfy requirements for ELCC 206.



**EDAS 153-3** (BC=3)  
**(3-0) 15 weeks**  
**Fostering Positive Behaviour**  
 Students will review both learning and behaviour management philosophies in order to build a repertoire of effective techniques and strategies that foster positive behaviour change in the classroom.

**EDAS 156-3** (BC=3)  
**(3-0) 15 weeks**  
**Visual Impairment**  
 This course examines issues and techniques involved in teaching persons with visual impairment. Definitions, classification schemes, measurement, prevalence, causes, psychological and behavioural characteristics and basic teaching techniques are reviewed.  
 Prerequisite: EDAS 111 and EDAS 152 or consent of the Associate Dean.

**EDAS 157-3** (BC=3)  
**(3-0) 15 weeks**  
**Physical Disabilities**  
 Issues and techniques involved in teaching persons with physical disabilities. Common physical disabilities. Related materials and equipment.  
 Prerequisite: EDAS 111 and EDAS 152 or consent of the Associate Dean.

**EDAS 158-3** (BC=3)  
**(3-0) 15 weeks**  
**Communication Disorders**  
 Issues and techniques involved in teaching students with communication disorders. Speech development, identifying disorders and the role of the educational assistant.

**EDAS 159-3** (BC=3)  
**(3-0) 15 weeks**  
**Hearing Impairment**  
 This course examines issues and techniques involved in teaching persons with hearing impairment. Definitions, classification schemes, measurement, prevalence, causes, psychological and behavioral characteristics and basic teaching techniques are reviewed.  
 Prerequisite: EDAS 111 and EDAS 152 or consent of the Associate Dean.

**EDAS 160-3** (BC=3)  
**(3-0) 15 weeks**  
**Supporting Students in Literacy**  
 Effective teaching strategies for literacy. Topics include learning theory, early literacy intervention, comprehension and decoding strategies, the writing process and writing analysis with an emphasis on assisting students in improving their reading and writing skills.

**EDAS 161-3** (BC=3)  
**(3-0) 15 weeks**  
**Supporting Students in Numeracy**  
 Numeracy concepts taught at the elementary and junior high school levels. Effective teaching techniques and learning activities to improve children's understanding of numeracy in an educational setting.

**EDAS 163-1** (BC=1)  
**(3-0) 5 weeks**  
**Supporting Students with Anxiety Disorders**  
 This course explores the most common anxiety disorders with an emphasis on strategies and practices that assist and support these students in the classroom and with their peers.

**EDAS 164-1** (BC=1)  
**(3-0) 5 weeks**  
**Supporting Students with Mental Health Concerns**  
 This course explores the most common mental health disorders with an emphasis on strategies and practices that assist and support these students in the classroom and with their peers.

**EDAS 165-1** (BC=1)  
**(3-0) 5 weeks**  
**Supporting Students with Disruptive Behaviour Disorders**  
 This course explores some of the more common behaviour disorders with an emphasis on developing strategies that assist students in areas of communication, behaviour and social interaction in the classroom.

**EDAS 166-1** (BC=1)  
**(3-0) 5 weeks**  
**Autism with Intellectual Disability**  
 Explore the characteristics of Autism Spectrum Disorder (ASD) with an intellectual disability. Emphasis on learning strategies for use in the classroom and other inclusive settings. Communication, social and behavioural strategies will also be explored.

**EDAS 167-1** (BC=1)  
**(3-0) 5 weeks**  
**Autism without Intellectual Disability**  
 Explore the unique characteristics of Autism Spectrum Disorder (ASD) without intellectual disability. Emphasis on social strategies for use in the classroom and other inclusive settings. Communication and behavioural strategies will also be explored.

**EDAS 168-1** (BC=1)  
**(3-0) 5 weeks**  
**Supporting Students with Classic Autism**  
 Explore the characteristics that are used to differentiate classifications other than Autism and Asperger's Syndrome. Investigate a variety of communication, social and behavioural strategies for use in the classroom and other inclusive settings.  
 Prerequisite: EDAS 111 and 152 or consent of the Associate Dean.

**EDAS 170-3** (BC=3)  
**(3-0-0) 15 Weeks**  
**Classroom Technology**  
 Introduction to educational technology used in current classrooms. Through a self-directed format, gain computer literacy skills related to the Educational Assistant role.

**EDAS 181-4** (BC=4)  
**15 hours seminar, 156 hours fieldwork 15 weeks**  
**Field Practice**  
 Working under a co-operating supervisor in an educational setting. Taking part in a regularly scheduled seminar to discuss field practice.

## Electrical Engineering Technology

Note: EET courses are open to Engineering Technology students only.

**EET 107-3 (BC=3)**  
*(3-0-2/2) 15 weeks*

### Semiconductor Electronics

Introduction to semiconductor components and circuits. Topics include semiconductor builds, diode circuit analysis and applications, BJT and FET transistor biasing, analysis and amplifiers, introduction to operational amplifiers.

Prerequisite: GET 103.

Corequisite: EET 123.

**EET 113-3 (BC=3)**  
*(3-0-2/2) 15 weeks*

### Power Electronics

Introduction to power electronics devices, systems and control. DC and AC power conversion techniques and analysis. Power control applications associated with motor drives and other dynamic loads.

Corequisite: EET 107, EET 115.

**EET 115-3 (BC=3)**  
*(3-0-2/2) 15 weeks*

### DC Machines

Explore the physical laws underlying the operation of direct current motors and generators. DC motor construction, characteristics, control, and applications. Construct circuits using actual machines in the lab to examine their operations.

Prerequisite: GET 103, GET 111.

Corequisite: EET 113.

**EET 117-3 (BC=3)**  
*(3-0-0) 15 weeks*

### Emerging Technologies

Examination of emerging technologies in the electrical, electronic and instrumentation fields. Topics may include alternative energy sources, energy storage systems, and/or other emerging applications.

**EET 123-4 (BC=4)**

*(4-0-2/2) 15 weeks*

### Circuit Analysis

Analyze the response of electrical circuits and networks when driven by single and multiple sources.

Prerequisites: GET 103, GET 111.

Corequisites: EET 107, GET 112.

**EET 200-3 (BC=3)**

*(3-0-2/2) 15 weeks*

### AC Machines

Examine the underlying principles, construction, control, and performance characteristics of transformers; single-phase and three-phase alternating current motors and generators. Analyze losses and efficiency. Determine developed speed and torque.

Prerequisites: EET 115, EET 123.

Corequisite: EET 210.

**EET 203-3 (BC=3)**

*(3-0-2/2) 15 weeks*

### Control Systems

Examine the principles and practices used in the design of process or motion control systems. Topics include open and closed loop behavior, modeling of physical systems, transfer functions, static and dynamic response, stability and frequency response.

Prerequisite: GET 101, GET 112, EET 123.

**EET 205-2 (BC=3)**

*(2-0-3/2) 15 weeks*

### Programmable Controllers

Examine the roles, functions, hardware, software, programming, and interfacing of Programmable Controllers in a production environment. Learn about digital logic concepts, ladder logic and Function Block Diagram programming.

Prerequisites: EET 123, GET 114.

Corequisite: EET 203.

**EET 207-3 (BC=4)**

*(3-0-3/2) 15 weeks*

### Electromechanical Systems

Examine industrial applications of electromechanical systems. Industrial motor, power transmission, feedback transducer, drive, and controller applications. Use Variable Frequency Drives (VFDs) and Servo Drives to control electric motors.

Prerequisite: EET 200

Corequisite: EET 235

**EET 210-3 (BC=3)**

*(3-0-2/2) 15 weeks*

### Power Systems

Explore the main components of a complex power system from generation to consumption. Analyze faults and determine fault currents using symmetrical components, MVA-base, and per-unit methods. Use the latest software to design and test power systems.

Prerequisites: EET 115 and EET 123.

Corequisites: EET 200.

**EET 214-4 (BC=4)**

*(3-0-3) 15 weeks*

### Microcontroller Interfacing

Develop digital and analog circuits to interface microcontrollers with peripheral devices. Write firmware for data acquisition and robotic control.

Prerequisite: Term two course completion or consent of Associate Dean.

**EET 228-3 (BC=3)**

*(3-0-2/2) 15 weeks*

### Electrical System Design

Design electrical systems for small industrial and commercial buildings; size and specify electrical service, feeders, and overcurrent protection based on Canadian Electrical Code. Apply computer aided design to produce electrical drawings.

Prerequisite: EET 210, GET 106.

**EET 230-3 (BC=4)**

*(3-0-3/2) 15 weeks*

### SCADA and HMI

Learn about the main concepts, communication protocols, software, hardware, and interface technology used in remote monitoring, data collection, and control of industrial processes. Implement interactive Human-Machine Interface (HMI) screens.

Prerequisite: EET 205

Corequisite: EET 235

**EET 233-3 (BC=3)**

*(2-0-2) 15 weeks*

### Electrical Failure Analysis

Apply the principles of troubleshooting and failure analysis to electrical and electronic devices.

Prerequisite: Term three course completion or consent of Associate Dean.

**EET 235-3 (BC=4)****(3-0-3/2) 15 weeks****Industrial Networks**

Study the characteristics, components, and processes of typical control systems' networks. Establish communication and control links between sensors, actuators, controllers, drives, and other industrial devices in an industrial network.

Prerequisites: EET 205.

Corequisite: EET 230.

**EET 246-3 (BC=3)****(3-1) 15 weeks****Topic in Instrumentation**

Considers subjects of increasing importance in modern control systems. Specific topics will vary from year to year and may include artificial intelligence and robotics, signal processing, satellite communication, remote sensing and fuzzy logic.

Prerequisite: Successful completion of all courses in Term 3 or permission of the Department.

Note: This course is not eligible for Prior Learning and Recognition.

**EET 260-3 (BC=3)****(3-0-0) 15 weeks****Capstone Project**

Researching and compiling a technical report on a topic that will incorporate the skill set of an Electrical Engineering Technology graduate. Progress reports occur at regular intervals. Concluding oral presentation to an industry audience.

Prerequisite: Term three course completion or consent of Associate Dean.

## Engineering

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**ENCP 200-3 (BC=3)****(3-0-1.5) 15 weeks****Computer Programming for Engineers**

Fundamentals of computer programming with emphasis on solving engineering problems. Programming in a high level language. Selection and loop structures, routines, arrays and record types, text file operation, pointers.

Prerequisite: Consent of the Department.

**ENGG 200-1 (BC=1)****(1-0-0) 15 weeks****Orientation to the Engineering Profession**

Development and history of the engineering profession. Branches of engineering. Engineering roles in various branches. Includes presentations from engineers in different branches. Several written assignments will form the basis for an assessment of your report writing abilities.

Note: This course will be repeated for credit in 2nd term.

Note: Open to Engineering students only.

**ENGG 203-1 (BC=2)****(1-0-2) 15 weeks****Introduction to Engineering Design, Communication and Profession**

Fundamental design process; communications; team work; the engineering disciplines, career fields; professional responsibilities of the engineer including elements of ethics, stewardship, public and worker safety and health considerations including the context of the Alberta Occupational Health and Safety Act. Corequisite: ENGL 201.

**ENGG 205-3 (BC=4)****(3-2.5) 15 weeks****Engineering Mechanics I**

Statics: Force vectors; equilibrium of particles in two and three dimensions; force system resultants; equilibrium of a rigid body in two and three dimensions; trusses; frames, machines and beams. Dynamics: Kinematics and kinetics of particles.

**ENGG 217-3 (BC=4)****(3-1-2) 15 weeks****Engineering Design and Communication**

Introduction to the fundamentals of engineering design, communications and projects management. Students will learn technical drawing and apply the design principles in team-based design projects.

**ENGG 220-3 (BC=4)****(3-1-3) 15 weeks****Electrical Circuits and Machines**

Introduction to the fundamentals of electrical circuits and machines. Topics include voltage and power; Kirchhoff's current and voltage laws; electricity and magnetism fundamentals applied to circuit elements and machines; electrical systems and instrumentation; circuit design, DC and AC circuit analysis methods; DC and AC machines; first order circuits and transient analysis.

**ENGG 230-3 (BC=4)****(3-1-2) 15 weeks****Engineering Statics**

Equilibrium of planar systems. Particle and rigid-body equilibrium. Reduction of a simple distributed loading. Structural analysis, planar trusses and frames. Internal forces. Centre of gravity and centroid. Friction. Moment of inertia.

Corequisite: MATH 212.

Note: Open to Engineering students only.

**ENPH 231-3 (BC=4)****(3-1S-3/2)****Engineering Dynamics**

Kinematics and dynamics of particle. Work and energy methods. Impulse and angular momentum. Introduction to kinematics and dynamics of rigid bodies.

Prerequisite: MATH 212.

Note: Open to Engineering students only.

## English

Note: Not all courses listed may be offered. Check Course Timetable for availability.

### First-Year University Transfer English Courses

Red Deer College offers university transfer English courses at the 200 level. These are usually prerequisites for 300-level English courses and for more advanced work in English. The overall objective for all 200-level courses is to develop critical reading skills and composition skills at the university level. Class discussions and instruction in composing academic essays will be combined with practice in critical analysis and self-expression.

#### ENG 201-3 (BC=3)

*(3-0-0) 15 weeks*

##### Creative Writing

Explore creative writing genres such as poetry, fiction, non-fiction, and plays, and develop foundational skills required for constructive criticism of written works. This course cannot be used as a prerequisite for ENGL 219, 220, or 300-level English courses.

#### ENGL 212-3 (BC=3)

*(3-0-0) 15 weeks*

##### English for Engineering Students

Learn effective written and oral communication skills across academic and professional contexts, including reports, correspondences, and presentations. Develop fundamental composition skills of sentences, paragraphs, and documents. Introduce information gathering, analysis, and citation.

Note: Restricted to engineering students. Prerequisite: ELA 30-1 or equivalent.

#### ENGL 219-3 (BC=3)

*(3-0) 15 weeks*

##### Essay Composition and Critical Reading

Explore university-level essay composition and the skills related to critical reading, interpretation, and argument.

Prerequisite: ELA 30-1 or equivalent.

Note: Credit will not be granted for both ENGL 219 and ENGL 210.

#### ENGL 220-3 (BC=3)

*(3-0) 15 weeks*

##### Literary Analysis

The course explores a range of literary genres while continuing to focus on deepening the required structural and critical skills related to thinking and writing about literature.

Prerequisite: ENGL 219.

### Second-Year University Transfer English Courses

These courses are open to students who have completed two term-courses or one full-year course in English at the 200 level, or who have the instructor's permission. These courses may be taken to meet specific program requirements, to serve as elective credits (options) in a program, and to lead to more advanced work in English studies.

If you wish to major in English or pursue an Honours English program, consult the appropriate university calendars before choosing 300-level courses.

#### ENGL 302-6 (BC=6)

*(6-0-0) 30 weeks*

##### Introduction to Contemporary Theoretical Practices

This course will study the major schools of contemporary literary theory, comparing their principles and methods to changing definitions of literature, testing their claims and uses against differing values of readers. Theoretical debate and practical analysis combine in this course to train the student as a polemical literary critic. Selected readings represent Gender, Post-Colonial, New Historical, Feminist, Marxist, Psychoanalytic, Structuralist, Reader-Response, and Formalist criticism.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

#### ENGL 305-3 (BC=3)

*(3-0-0) 15 weeks*

##### The Development of Children's Literature

Providing historical background to current concepts of children's literature, the course examines the evolution of children's literature, its trends and themes, as well as contemporary children's literature. A short time is spent considering what childhood is, so as to understand some of the childhood responses to literature. The course then attempts to answer the question: "What is Children's Literature?"

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

#### ENGL 306-3 (BC=3)

*(3-0-0) 15 weeks*

##### Folklore in Children's Literature

This course offers a study of oral materials drawn into English literature from a range of cultural traditions. These include myths (mainly Greek, Norse, and North American Indian), folk-tales (Perrault, Grimm, Andersen, and others), and legends. Ballads, stories in song and verse, and lore in rhyme are studied. Common themes and theories on the origin and evolution of folklore are discussed. Modern folklore (such as fantasy and science fiction) is related to folklore of the past. The emphasis is on the place of folklore in children's literature.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

#### ENGL 311-3 (BC=3)

*(3-0-0) 15 weeks*

##### Early Canadian Literature

A critical and historical study of the literature of English speaking Canada from its beginnings to 1959.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

Note: Students who have taken ENGL 382 or U of C ENGL 471 cannot take this course for credit.

**ENGL 312-3 (BC=3)****(3-0-0) 15 weeks****Modern and Contemporary Canadian Literature**

A critical and historical study of the literature of English speaking Canada from 1959 to the present.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

Note: Students who have taken ENGL 382 or U of C ENGL 471 cannot take this course for credit.

**ENGL 327-3 (BC=3)****(3-0-0) 15 weeks****Topic in American Literature**

Examine selected works in American literature related to a specific topic and informed by theoretical, historical, or social approaches.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 330-3 (BC=3)****(3-0-0) 15 weeks****Early English Renaissance**

The literature of the later Tudor period is studied, with emphasis on the early years of Elizabeth's reign. Writers include More, Elyot, Hoby, Wyatt, Surrey, Sidney, Spenser, Marlow, Drayton, Shakespeare, and others. Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 331-3 (BC=3)****(3-0-0) 15 weeks****Later English Renaissance**

Prose and poetry from approximately 1600-1650 are studied. Poetry includes works by Donne, Herbert, Vaughn, Jonson, Marvell, Milton, and others. Prose includes readings from Bacon, Donne, Burton, Bunyan, and others.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 335-3 (BC=3)****(3-0-0) 15 weeks****English Literature Pre-1700**

Examine English literature from the years 1200 to 1700.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 336-3 (BC=3)****(3-0-0) 15 weeks****English Literature Post-1700**

Examine English literature from the year 1700 to the present day.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 341-3 (BC=3)****(3-0-0) 15 weeks****The Augustan Age**

Major literary works of the Augustan period are examined, as well as the natural and moral philosophy of the time. Emphasis is placed on the satirical works of Swift and Pope, but a representative sampling of the works of other men and women writers of the period will be considered.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 343-3 (BC=3)****(3-0-0) 15 weeks****The Age of Johnson**

A complement to ENGL 341, this course deals with the major literary works of the second half of the 18th century. Although the course centres on the works of Samuel Johnson, important works by other men and women writers of the period will also be studied.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 345-3 (BC=3)****(3-0-0) 15 weeks****The British Romantic Period**

This course deals primarily with the major Romantic poets, but other writers of the period will be considered. The main focus is on the poetry and its revolutionary or prophetic concerns. Also considered are the radical changes in morals, lifestyles, social attitudes, and mythological patterns of the Romantic period.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 347-3 (BC=3)****(3-0-0) 15 weeks****The Victorian Period**

Victorian England (1837-1901) became the centre of a cultural, political, and commercial empire, leading the world into a modern era of urban and industrial development. This course divides the period into early, middle, and late phases, studying how its literature responds to social change.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 351-3 (BC=3)****(3-0-0) 15 weeks****Poetry Reading and Analysis**

The focus of this course is on developing skills of careful reading and analysis of poetry, with attention to the relationship between poetic form and meaning.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 354-3 (BC=3)****(3-0-0) 15 weeks****Topic in Non-Fiction Writing**

This course will develop and strengthen writing skills for specific rhetorical situations and discourse communities. The course topic varies each year but may include: writing about writing, digital writing, or science writing. The course will expand students' ability to write in various genres and for different audiences.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 357-6 (BC=6)****(6-0-0) 30 weeks****The English Novel**

This course examines key works in the development of the English novel from the 18th to the early 20th century. The course covers the history of the genre, the techniques of the novel, and works by such authors as Defoe, Richardson, Fielding, Goldsmith, Walpole, Austen, Dickens, Eliot, Bronte, and Hardy.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 359-3 (BC=3)****(3-0-0) 15 weeks****Young Adult Literature**

Introduction to the history of young adult fiction from its origins to the present. Examine the emergence of young adult literature as a stage distinct from that of child literature; explore issues of gender and ethnicity; and, consider the appeal of this genre to adults.  
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 361-3 (BC=3)****(3-0-0) 15 weeks****Early 20th Century British Novel**

The radical changes in morals, lifestyles, social attitudes, and political concerns of the early 20th century are reflected in the lives and writings of British prose writers of this period. In addition to examining novels by a variety of writers, we will consider the influence that other artists, philosophers, and politicians had on the literature of this period. (Recommended to be followed by ENGL 368.)  
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 366-3 (BC=3)****(3-0-0) 15 weeks****The Short Story**

This course examines representative works of short fiction illustrating the tradition of the short story in English. The course will sample contemporary experiments in the short story form and introduce a technical vocabulary appropriate to the study of narrative.  
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 368-3 (BC=3)****(3-0-0) 15 weeks****Later 20th Century British Novel**

The Modern period is marked by a wide range of literary forms, styles, and content pioneered by the writers of the first quarter of this century. This course focuses on the main writers of the next 30-40 years, whose works illustrate the ever-expanding scope of the Modern novel. These works also show how changes in morals, social values, political structures, and technology were altering the artist's reaction to his/her new role in the world. (Recommended to be preceded by ENGL 361.)  
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 371-3 (BC=3)****(3-0-0) 15 weeks****Topic in Canadian Literature**

The focus will vary from year to year, but possible topic areas include literature of a specific Canadian region, genre, or theme (for example, Canadian Prairie Writing, Contemporary Canadian Women's Writing, The Canadian Long Poem, Canadian Gothic).  
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.  
Note: You cannot have credit in both ENGL 371 and 382.

**ENGL 376-3 (BC=3)****(3-0-0) 15 weeks****Creative Writing Fiction I**

Practice creative writing within the genre of fiction and techniques such as word play, dialogue, narrative shifts, and characterization.  
Prerequisite: 6 credits of 200-level English excluding ENGL 201 and 212.

**ENGL 377-3 (BC=3)****(3-0-0) 15 weeks****Creative Writing Poetry I**

Practice creative writing within the genre of poetry and explore style, technique, poetic form, and the role of the literary artist.  
Prerequisite: 6 credits of 200-level English excluding ENGL 201 and ENGL 212.

**ENGL 378-3 (BC=3)****(3-0-0) 15 weeks****Creative Writing Fiction II**

Compose creative writing within the genre of fiction and formulate and assess narrative techniques, style, voice, and character.  
Prerequisite: ENGL 376

**ENGL 379-3 (BC=3)****(3-0-0) 15 weeks****Creative Writing Poetry II**

Compose creative writing within the genre of poetry and formulate and assess poetic techniques, style, voice, and form.  
Prerequisite: ENGL 377

**ENGL 385-3 (BC=3)****(3-0-0) 15 weeks****First Nations Literature**

The emphasis will be on modern and contemporary First Nations writing in Canada, though earlier works and some American First Nations writing will be introduced. Also considered will be the oral tradition and literary, cultural, and political issues related to course material.  
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 387-3 (BC=3)****(3-0-0) 15 weeks****Topic in Literature and Society**

Although the specific topic will vary from year to year, this course investigates the conjunction of literature, culture, and social issues, examining historical, social, economic, political, and gender determinants that intersect within individual works. Specific topics may include Literature and Science, Literature and Health Care, or Literature and Religion.  
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.  
Note: This course may be repeated for credit.

**ENGL 389-3 (BC=3)****(3-0-0) 15 weeks****Topic in Women's Writing**

Although the specific topic will vary from year to year, this course will examine writing by women in ways that are informed by theoretical approaches to women's literature. Topics may focus on a specific time period, genre, geographic region, or theme (such as Women's Writing to 1900, Women Novelists in Britain, Representations of Gender).

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

Note: This course may be repeated for credit.

**ENGL 391-3 (BC=3)****(3-0-0) 15 weeks****Topic In International Literature**

The focus of this course, while its content will vary from year to year, will be on literature written in English outside of Canada, Great Britain, and the United States. Students may study work from a particular geographic region - e.g., Africa, the Indian Subcontinent, the Caribbean, Australasia - or they may study particular issues in the field of post-colonial literature.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

Note: This course may be repeated for credit.

**ENGL 393-3 (BC=3)****(3-0-0) 15 weeks****Science Fiction**

This course will study the features and history of the science fiction genre through the study of representative works.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

**ENGL 395-3 (BC=3)****(3-0-0) 15 weeks****Topic in Shakespeare**

This course examines a representative sampling of Shakespeare's plays, focusing on a particular group of plays, or a particular dominant theme or concern. The course will attempt to ask pertinent questions about some of Shakespeare's major interests, and to investigate his development as a dramatist. Various critical approaches to the plays will be discussed.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

Note: Not to be taken by students with credit in ENGL 332. This course may be repeated for credit.

**ENGL 399-3 (BC=3)****(3-0-0) 15 weeks****Detective Fiction**

This course will study the genre of detective fiction using representative works from the nineteenth and twentieth centuries. We will explore detective fiction's history, ideas, and relation to both popular and literary culture.

Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

## Family Studies

**FAM 315-3 (BC=3)****(3-0) 15 weeks****Relationship Development**

The study of the nature of intimate relationships in friendship, marriage and family. Teaching and classroom implications will be considered.

**FAM 322-3 (BC=3)****(3-0) 15 weeks****Human Sexuality**

An inquiry into the nature of sexual behaviour, its personal and cultural sources and its personal, familial, societal and educational implications. The focus of this class is to prepare future teachers to instruct sexuality education curriculum and to provide background knowledge which will help teachers understand children's growth and development as it pertains to human sexuality.

## Film

**FILM 201-3 (BC=4)****(3-2) 15 weeks****Introduction to Film: Film Art**

This introductory film art course surveys the formal development and production value of cinema, providing a basic knowledge of genre, form, style, and theory based on the close study of selected titles from the silent era to the present day. Its mandate is to theorize film production and analyze film reception within a technical and aesthetic framework.

**FILM 202-3 (BC=4)****(3-2) 15 weeks****Introduction to Film: Film History**

This introductory film course surveys the historical development and social value of cinema, providing a basic knowledge of national schools, production eras, and ideological trends based on the close study of selected titles from the silent era to the present day. Its mandate is to theorize film production and analyze film reception within a historical and cultural framework.

**FILM 301-3 (BC=4)****(3-2) 15 weeks****Topic in Film Genre**

This course provides students with an overview of the style, narrative patterns, historical evolution, and cultural mythologies of a selected film genre, such as the musical, the western, horror, or children's film

Prerequisites: FILM 201 or 202; 6 credits of 200 Level English; or consent of the department.

## Film, Theatre & Live Entertainment

**FTLE 105-3 (BC=3)**

**(3-0-0) 15 Weeks**

### Theatre History Analysis

An overview of western theatre aesthetics and its evolution from origins of theatre up through the 20th Century with an examination of dramaturgy as it pertains to creation and performance. Theoretical and practical approaches for the theatre artist to play analysis, through the study of theatrical forms and styles.

**FTLE 110-3 (BC=3)**

**(3-0-0) 15 Weeks**

### Theatre Production History

An examination of the important innovations in the staging and production of western European theatre. Examine cultural and artistic historical styles and how they impact theatre.

**FTLE 205-3 (BC=3)**

**(3-0-0) 15 Weeks**

### Directing I

Examine the aesthetics of devising an artistic endeavour from a director's point of view. Explore the creative process in terms of relationships and responsibilities of key personnel involved in developing a project from idea to exhibition.  
Prerequisite: COMM 210.

**FTLE 210-3 (BC=3)**

**(3-0-0) 15 Weeks**

### Storytelling II

Further develop writing using basic structure, character, and arcs. Examine different aspects of plot and character for a variety of media. Focus on structure, character and story throughlines. Knowledge used to develop short scripts.  
Prerequisite: CREA 110.

**FTLE 215-3 (BC=3)**

**(3-0-0) 15 Weeks**

### Business for Stage and Screen

Practical application of core business elements for actors and production students in the entertainment industry.  
Prerequisite: COMM 210.

**FTLE 220-2 (BC=2)**

**(1-0-3) 15 Weeks**

### Projects I

Project based collaboration and community of practice. Application of creative, practical and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process.  
Prerequisite: FTLE 205.

**FTLE 305-1 (BC=2)**

**(1-0-1) 15 Weeks**

### Workshops I

Diverse sessions by multiple industry experts focused on knowledge and application of discipline(s) within industry.  
Prerequisite: FTLE 215.

**FTLE 306-1 (BC=2)**

**(1-0-1) 15 Weeks**

### Workshops II

Diverse sessions by multiple industry experts focused on knowledge and application of discipline(s) within industry.  
Prerequisite: FTLE 215.

**FTLE 405-15 (BC=15)**

**(3-0-28) 15 Weeks**

### Applied Practicum I

Work related experience: applied research or performance based exercise(s)/ project(s) in stage/screen performance and production.  
Prerequisite: Successful completion of all third year courses.

**FTLE 410-15 (BC=15)**

**(3-0-28) 15 Weeks**

### Applied Practicum II

Work related experience: applied research or performance based exercise(s)/ project(s) in stage/screen performance and production.  
Prerequisite: FTLE 405.

## Finance

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**FINS 150-3 (BC=3)**

**(3-0) 15 weeks**

### Personal Finance

Explore personal financial literacy concepts and their application to managing personal finances. Combining theory and business math concepts learn fundamental principles of short and long-term financial planning, investing & retirement, credit, taxation, risk management and budgeting.

**FINS 250-3 (BC=3)**

**(3-0) 15 weeks**

### Mutual Funds

Provides an in depth look at the fundamentals of mutual funds and related investment products in Canada. Students who successfully complete the course requirements are eligible to take the licensing exam administered by an outside body. A minimum mark must be achieved on the examination in order to register for a mutual funds license.  
Prerequisite or Corequisite: FINS 150 or consent of department.

**FINS 251-3 (BC=3)**

**(3-0) 15 weeks**

### Managing Personal Credit

Overview of the six fundamentals of credit. Review various retail credit products including secured and unsecured loans, lines of credit and mortgages. Time value of money concepts to calculate loan payments and compare interest costs. Case studies will be used.  
Prerequisite: FINS 150.  
Corequisite: BADM 260 or BUS 310 or permission of the instructor.

**FINS 280-8 (BC=8)**

**(8-0) 500 hours over 16 weeks**

### Financial Services Work Experience

This course provides an opportunity for students to work in the financial services industry and apply knowledge learned in their first year. Students will be exposed to a variety of entry level positions. This course offers students paid work experience selling personal financial products. Consult the program coordinator for details.  
Prerequisite: FINS 180 or consent of department.



**FINS 284-3 (BC=3)****(3-0) 15 weeks****Fundamentals of Personal Finance**

The Fundamentals of Personal Finance addresses communication techniques and relationship building skills. The course covers preparation, analysis and understanding of personal financial statements; preparing a debt and cash management plan; time value of money concepts in financial calculations, and economic theory as it applies to personal finance.

Prerequisite: FINS 180 or consent of department.

**FINS 286-3 (BC=3)****(3-0) 15 weeks****Insurance in Canada**

Term and whole life, disability, accident, critical illness, and creditor insurance contracts will be studied. The course will also review how these products are underwritten by bank and non-bank insurers and coordinated with government benefits.

Prerequisite: FINS 150.

**FINS 287-4 (BC=4)****(4-0) 15 weeks****Advanced Financial Planning**

Integrates the knowledge and skills gained in the core curriculum of the major in Financial Services. Students will apply their skills and knowledge in the development of a comprehensive financial plan, as well as, other integrative activities throughout the course.

Prerequisites: FINS 250 and 251 or permission of the department.

**FINS 320-3 (BC=3)****(3-0) 15 weeks****Select Topics in Financial Services**

Specialized areas of knowledge in financial services that allow students to gain a broader understanding of the diverse needs of the financial services industry, its management and its customers. Course offering and specific topics depend on availability of a qualified instructor with the required skills and experience.

**FINS 321-3 (BC=3)****(3-0) 15 weeks****Select Topics in Financial Services**

Specialized areas of knowledge in financial services that allow students to gain a broader understanding of the diverse needs of the financial services industry, its management and its customers. Course offering and specific topics depend on availability of a qualified instructor with the required skills and experience.

## French

Note: 100-level language courses are intended for students with little or no background in the language. Students who have high school matriculation in the language, or who are taking a 100-level course to meet a university's matriculation requirements, may be denied transfer credit. Check the Transfer Guide and with the university.

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**FREN 101-3 (BC=4)****(4-1) 15 weeks****Beginners' French**

For students without any French or with French 10. Comprehension, speaking, reading, and writing. The oral aspect of the language is stressed in class.

Note: French Immersion students or students with French 30 should not register in FREN 101/102.

**FREN 102-3 (BC=4)****(4-1) 15 weeks****Beginners' French II**

For students who have taken French 20 or FREN 101. The oral aspect of the language is stressed in class. The course will prepare you for university-level courses

Prerequisite: French 20 or FREN 101 or equivalent or consent of the Department.

Note: French Immersion students or students with French 30 should not register in FREN 101/102.

**FREN 202-3 (BC=4)****(4-1) 15 weeks****Intermediate French I**

Spoken and written French, including grammar, composition, literature, and conversation. The literature includes works of modern authors.

Prerequisite: French 30, FREN 102 or equivalent.

**FREN 203-3 (BC=4)****(4-1) 15 weeks****Intermediate French II**

A continuation of FREN 202. Further development of spoken and written French, including grammar, composition, literature and conversation. The literature includes works of modern authors.

Prerequisite: FREN 202, Francais 30 or equivalent.

Note: Students presenting French Language Arts 30 or Francais 30 may apply for advanced placement directly into French 203. Those wanting credit for French 202 may apply to challenge the course; in that case the challenge must be completed before starting FREN 203. Those presenting IB French HL or SL with a grade of 6 or higher will receive credit.

**FREN 302-3 (BC=4)****(4-0) 15 weeks****Advanced French I**

To further develop written and oral skills learned in FREN 202-203 or an equivalent, with an emphasis on presentation grammar, composition and literary elements. Conversation activities are included in the course.

Prerequisite: FREN 200, FREN 203 or equivalent.

**FREN 303-3 (BC=4)****(4-0) 15 weeks****Advanced French II**

A continuation of FREN 302. Further development of reading, written and oral skills with an emphasis on presentation grammar, composition and literary analysis. Conversation activities are included in the course.

Prerequisite: FREN 302.

**FREN 353-3** (BC=3)*(3-0) 15 weeks***Introduction to French Canadian Literature**

Literary expression in French Canada, from its origins to the present time. A historical approach.

Prerequisite: FREN 200 or FREN 203 or consent of the Department.

**FREN 354-3** (BC=3)*(3-0) 15 weeks***Introduction to French Canadian Literature**

Continuation and complement to FREN 353. A textual approach with emphasis on the problems of literary analyses.

Prerequisite: FREN 200 or FREN 203 or consent of the Department.

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## General Engineering Technology

Note: GET courses are open to Engineering Technology students only.

**GET 101-4** (BC=4)*(3-0-2) 15 weeks***Introduction to Instrumentation**

Introduces students to basic instrumentation and measurement systems & components.

**GET 103-3** (BC=4)*(3-0-2/2) 15 weeks***Technology Physics**

Explore multi-dimensional engineering problems in kinematics, Newton's laws, circular motion, torque, electromagnetic and mechanical waves, conservation laws and steady state linear circuits.

**GET 106-3** (BC=3)*(2-0-2) 15 weeks***Engineering CAD**

Learn the graphical language of drafting using free-hand sketching and 2D CAD. Creating objects in orthographic, isometric, and sections views. Principles of component identification and documentation.

**GET 108-2** (BC=2)*(2-0-0) 15 weeks***Project Management**

Explore the project management process: the role of the project manager; how projects help organizations achieve their objectives; organizational structure of projects. Use project management software.

**GET 111-3** (BC=3)*(3-1-1) 15 weeks***Engineering Mathematics**

Apply the fundamental principles of algebra, geometry, trigonometry, nonlinear equations, matrices, determinants and differential calculus to engineering related problems.

**GET 112-3** (BC=3)*(3-1-1) 15 weeks***Advanced Engineering Mathematics**

Extend the understanding of calculus to include integration techniques and applications, differential equations, Maclaurin and trigonometric Fourier series, Laplace transforms and inverse Laplace transforms.

Prerequisite: GET 111.

**GET 114-2** (BC=2)*(2-1-1) 15 weeks***Computer Programming**

Develop structured C/C++ programming skills involving decision and loop structures, functions, arrays and pointers, code libraries, and debugging methods. Strong emphasis on algorithm planning, program design, code documentation.

**GET 116-2** (BC=2)*(2-0-2/2) 15 weeks***Engineering Communications**

Use industry standard software tools to collect, summarize and organize data in order to aid in critical decision making processes. Employ professional presentation and communication skills to exchange data and information in an expert manner.

**GET 202-2** (BC=2)*(2-0-1) 15 weeks***Engineering Statistics**

Apply concepts and techniques of statistical theory to process control, quality assurance, data collection, summarization, and presentation.

**GET 204-2** (BC=2)*(2-0-0) 15 weeks***Professional Practice**

Prepare for field work experience and practice intrapersonal skills for career success.

Prerequisite: Term three course completion or consent of Associate Dean.

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## Genetics

**GENE 370-3** (BC=3)*(3-0) 15 weeks***Foundations of Molecular Genetics**

Examine the organization and expression of genetic material in bacteria and viruses based on classic experiments and molecular mechanisms. Topics include fertility, genetic fine structure, mutagenesis, DNA repair, DNA replication, recombination and the control of gene expression.

Prerequisite: BIOL 317.

**GENE 375-3** (BC=3)*(3-0) 15 weeks***The Genetics of Higher Organisms**

A survey of the principles of genetics of eukaryotes. Gene structure and function. Mendelian genetics. Cytoplasmic inheritance. Cytogenetics. Biochemical genetics. Developmental genetics. Emphasis is on examples from human genetics.

Prerequisite: BIOL 317.

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## Geography

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**GEOG 230-3** (BC=4)*(3-0-2) 15 weeks***Introductory Physical Geography**

Geomorphology: the nature and formation of major landform features of the earth's surface. Rock weathering and slope movements; landforms developed by the erosion and deposition processes of rivers, glaciers, winds, waves, and currents. A field trip may be offered. Relevant environmental issues will be addressed.

**GEOG 231-3 (BC=4)****(3-0-2) 15 weeks****Introductory Physical Geography II**

Atmosphere and biosphere. Physical elements of weather and climate. Causes, changes, and patterns of weather. Climate classification. How climate, soils, and vegetation are interrelated. Relevant environmental issues will be addressed. Note: GEOG 230 does not have to precede GEOG 231.

**GEOG 250-3 (BC=3)****(3-0) 15 weeks****Spatial Organization of Human Activity**

Introduction to the concepts of relative location, spatial interaction and spatial organization of human activity in both rural and urban settings; geographical theories and techniques.

**GEOG 251-3 (BC=3)****(3-0) 15 weeks****Introduction to Cultural Geography**

This introductory course will focus on basic concepts in human geography, the human environment, sustainability and development, population dynamics, migration, economic development, settlement patterns, cultural landscapes, the political world, industrialization, transportation, environmental change and other topics of current interest. Based on lectures as well as hands-on class. room assignments, this course will enable students to acquire problem-solving and basic analytical skills widely applied in geography.

**GEOG 381-3 (BC=3)****(3-0) 15 weeks****Geography of Canada**

The regional geography of Canada. Canada's physical features and how they have affected the country's history and development. The concept of geographic regions. Patterns and characteristics of these regions, with selected detailed studies. Prerequisite: A previous course in Geography is strongly recommended.

**GEOG 382-3 (BC=3)****(3-0) 15 weeks****World Regional Geography**

This course is a study of the major world regions. Each region is examined in terms of its distinguishing features as well as its functional connectedness to other regions through processes like globalization. Regional trading blocs, growing environmental issues, access to, and use of resources, diasporas and transnationalism, and, increasing developed-developing country disparities are key issues that are addressed within the framework of the 'regional approach' to spatial analysis.

**GEOG 393-3 (BC=3)****(3-0) 15 weeks****The Geography of Cities**

This introductory course will focus on how cities have evolved as they have, in their spatial and social structure, institutions and attitudes; understanding the historical processes and patterns by which cities have become simultaneously, the products and shapers of economic, social, political and technological change; studying demographic change and its effects on city internal structure and land use patterns; analysing the forces and factors that influence neighbourhood choice and growth; understanding the interrelationship between economic and social change within an urban context; and also comprehending the mechanisms of city systems.

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## Health Care Aide

**HCA 141-3 (BC=3)****(49 class hours/12 lab hours)****Working Safely and Effectively as a HCA**

Understanding the role and responsibilities of the Health Care Aide program, relevant legislation, client and workplace safety, focusing on knowledge and skills required to maintain safety for the client and staff member in the care environment.

**HCA 142-2 (BC=2)****(19 class hours/6 lab hours)****Communication in a Health Care Environment**

Communicate effectively as a member of the health care team. You will learn communication strategies to overcome barriers of sensory loss due to disease and aging.

**HCA 143-3 (BC=3)****(36 class hours)****Structure and Function of the Human Body-Health and Chronic Illness**

You will gain understanding of the systems of the human body and the impact of developmental stages and chronic conditions.

**HCA 144-4 (BC=4)****(34 class hours/31.5 lab hours)****Providing Client Care and Comfort**

Develop advanced skills to assist clients with personal grooming and hygiene, and movement.

**HCA 145-2 (BC=2)****(11 class hours/25 lab hours)****Meeting Complex Care Needs**

Advanced skills for Health Care Aides which support care activities such as: ostomy care, respiratory care, catheter care, measuring vital signs, assisting with specimen collection and assisting with tube feedings.

**HCA 146-1 (BC=1)****(6 class hours/12 lab hours)****Assisting with Medication Delivery**

Understand the role and responsibility of the Health Care Aide in assisting with the delivery of medication to clients.

**HCA 147-3 (BC=3)****(48 class hours)****Special Activities for Diverse Clients**

Develop skills for assisting with diverse care needs of clients. Understand care required for clients with a diagnosis of dementia and examine personal feelings and experiences as related to our aging population.

**HCA 122-4** (BC=4)*(120 hours clinical practice)***Health Care Aide Supervised Clinical Practice**

Clinical practice in the role of the health care aide, supervised by an instructor, in an institutional setting.

**HCA 123-3** (BC=3)*(80 hours)***Health Care Aide Preceptored Clinical Practice**

Preceptored clinical practice in the role of the health care aide in institutional setting. Prerequisites: HCA 141, 142, 143, 144, 145, 145, 147 and HCA 122.

**HCA 124-6** (BC=6)*(53 class/82 lab)***HCA Theory - CTS Route**

Building on learning from the Career and Technology Studies health stream in high school, this course will focus on the role of the Health Care Aide. The course will build on the knowledge and skills needed to assist clients with activities of daily living. Students will have the opportunity to participate in hands on learning in a simulated environment.

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## Health Sciences

**HSCI 100-3** (BC=4)*(3-0-0) 15 weeks***Health Sciences I**

Introduction to concepts of health and wellness and exploration of the roles of a variety of health professionals. Explore and apply study, learning, and self-care skills.

**HSCI 101-3** (BC=4)*(3-0-0) 15 weeks***Health Sciences II**

Exploration of ethical, cultural, and legal influences affecting practice of health care professionals. Increase student understanding of health and wellness and Canadian health system. Discuss professional skills and attributes essential for quality care of diverse populations in health care professions. Assist students to determine a personal pathway for further study. Prerequisite: HSCI 100 Introduction to Health Sciences I

**HSCI 105-3** (BC=5)*(3-0-0) 15 weeks***Personal Health and Wellness**

An introduction to the concepts of health, wellness, and fitness from a personal perspective. Theory and practical strategies are introduced and practiced to empower the student in developing a healthy active lifestyle.

**HSCI 110-3** (BC=4)*(3-0-0) 15 weeks***Mathematics for Health Professions I**

Through the study of mathematics, students learn skills in reasoning, logic, critical thinking and problem solving that are necessary for success in the health sciences. Topics include numeracy, rational numbers, algebra, solving equations, estimation, logical reasoning, and problem solving.

**HSCI 111-3** (BC=4)*(3-0-0) 15 weeks***Mathematics for Health Professions II**

Further develop critical thinking, problem-solving and decision making skills required for success in healthcare professions. Explore topics including algebra, solving equations, rational and irrational numbers, statistics, probability, set theory, and problem solving. Prerequisite: HSCI 110 Mathematics for Health Professions I

**HSCI 115-3** (BC=4)*(3-0-0) 15 weeks***Biology for Health Professions**

Explore human biology and genetics on microscopic and macroscopic levels. Gain an understanding of human biology and how cells, as the basic unit of structure, function in the body. Relate the organization of cells, tissues, organs, and systems to homeostasis.

## History

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**CLAS 209-3** (BC=3)*(3-0-0) 15 weeks***Early World History I**

The beginnings of civilization to circa A.D. 600. Special emphasis is placed on Ancient Greek and Roman culture, mythology, religion and history. Students will be introduced to the daily life and historical importance of these two cultures.

**CLAS 320-3** (BC=3)*(3-0-0) 15 weeks***Roman History**

The study of late Republican Rome and the Imperial period, using Roman Historians of the time as source material.

**HIST 207-3** (BC=3)*(3-0-0) 15 weeks***Early Modern World History 1450-1789**

Survey of world history from the fall of Constantinople in 1453 to onset of the French Revolution in 1789. Topics may include: Protestantism and religious warfare, changing state and social structures, witchcraft, exploration and European encounters with other continents, and changes to statecraft.

**HIST 208-3** (BC=3)*(3-0-0) 15 weeks***The World Since 1789**

Survey of world history since the French Revolution. Topics may include industrialization, nationalism and imperialism, the two World Wars, the Russian Revolution, the Cold War, and the march towards globalization.

**HIST 209-3 (BC=3)****(3-0-0) 15 weeks****Pre Modern World History**

A history of the world from the sixth century to the mid-fifteenth century. This course deals with the barbarian invasions and the collapse of the classical empires in Europe, China, and India; the expansion of universal religions of Buddhism, Hinduism, Christianity; the birth of Islam and the early Islamic Empires; the Crusades; the Turko-Mongol Empires; the silk routes and the effect of trade and commerce on Europe and Asia, and the origins of European expansion into the rest of the world.

**HIST 314-3 (BC=3)****(3-0-0) 15 weeks****Europe in the Era of the World Wars, 1900-1945**

An overview and analysis of Europe from the heyday of imperialism at the turn of the twentieth century to the end of World War II. Topics may include social, political, and economic development, the two World Wars and the Great Depression. Recommended preparation: HIST 208.

**HIST 315-3 (BC=3)****(3-0-0) 15 weeks****Europe in the Era of the Cold War, 1942-1991**

Europe from World War II to the end of the twentieth century. Topics may include the economic and social reconstruction of Eastern and Western Europe, decolonization, the emergence of two ideological blocs, political, cultural, and social changes, the warming of international relations, the end of the Cold War in the 1990s, and the uncertainty that followed. Recommended preparation: HIST 208.

**HIST 320-3 (BC=3)****(3-0-0) 15 weeks****Europe in the Eighteenth Century: The Age of Enlightenment**

An examination of social, cultural, intellectual, and political history of Europe in the eighteenth century. Topics may include: warfare, the Enlightenment, challenges to the old regimes, the French Revolution; and European based Empires. Students with credit in HIST 301 cannot take this course for credit.

**HIST 321-3 (BC=3)****(3-0-0) 15 weeks****Europe in the Nineteenth Century: The Age of Ideologies and Revolution**

An examination of social, political, cultural, and intellectual history of nineteenth-century Europe. Topics may include: the emergence of new ideologies; the age of revolutions; Napoleonic France; rise of nationalism; and colonial warfare. Students with credit in HIST 301 cannot take this course for credit.

**HIST 325-3 (BC=3)****(3-0-0) 15 weeks****Science and Religion from 1500 to the Present**

A survey of the interaction between science and religion from the Scientific Revolution to contemporary issues. Topics may include: reactions to Copernican astronomy, Isaac Newton's religion beliefs, Darwinian Evolution, Creationism, the Big Bang, the human soul, and extraterrestrial inspired religions.

**HIST 327-3 (BC=3)****(3-0-0) 15 weeks****The European Witch Craze**

A history of the intellectual, cultural, social, and theological origins, development, and decline of witchcraft in early-modern Europe. This course will be a combination of lectures and discussions.

**HIST 330-3 (BC=3)****(3-0-0) 15 weeks****History of Health and Healing**

Survey of health traditions around the world in historical times. Spiritualistic and scholarly healing traditions. The transition towards modern ideas about the body and healing, and holism. Relations among healing practitioners. Social, cultural, and political attitudes and practices towards health and healing.

**HIST 333-3 (BC=3)****(3-0-0) 15 weeks****A Social History of England from 1815 to 1914**

This course will examine the everyday life of the English people within the context of early industrial society. The course will place specific emphasis on the development of social class and examine how aspects of everyday life contributed to defining these social groups. Special attention will be placed on social legislation, urban and suburbanization, sport and leisure practices, education and literacy, and popular protest and political reform.

**HIST 334-3 (BC=3)****(3-0-0) 15 weeks****A Social History of England from 1918 to the Present**

This course will examine the everyday life of the English people within the context of the modern state. The course will place special emphasis on the emergence of a consumer culture, the Welfare State, mass media, and changing class perceptions. Special attention will be placed on popular culture, the relationship to work and leisure, social legislation, political protest and Thatcherism and the New Conservatives.

**HIST 351-3 (BC=3)****(3-0-0) 15 weeks****History of the British Empire**

Introduction to the social, intellectual, cultural, and political history of the British Empire from its origins to 1997. Empire will be examined both from a British and colonial perspective. Students with credit in HIST 349 cannot take this course for credit.

**HIST 357-3 (BC=3)****(3-0-0) 15 weeks****Gender and Sexuality in History**

Explore the history of the West through the lens of gender and sexuality. Issues include the social construction of gender and sexuality, their economic, class, ethnic, religious, and political dimensions, as well as how these themes influence the writing of history. Prerequisites: 3 credits in HIST or consent of the department.

**HIST 361 (BC=3)***(3-0-0) 15 weeks***The United States to 1865**

Survey of the United States from the first colonial settlements to the end of the Civil War. Topics may include: development of an American identity, the Revolutionary War, the rise of the slave economy in the south, the struggle to define the republic, and the Civil War. Students with credit in HIST 360 cannot take this course for credit.

**HIST 362-3 (BC=3)***(3-0-0) 15 weeks***The United States since 1865**

Survey of the United States from the end of the Civil War to the present. Topics may include: the impact of industrialization, imperialism, racial inequalities, World War One and World War Two, youth culture and the 1960s, and the era of the Cold War. Students with credit in HIST 360 cannot take this course for credit.

**HIST 372-3 (BC=3)***(3-0-0) 15 weeks***The Prairie West Since 1870**

The Prairie region as part of the Dominion of Canada. The West and Confederation. The impact of the railway. The National Policy. Settlement. Developing a regional identity. Western alienation.

**HIST 373-3 (BC=3)***(3-0-0) 15 weeks***Canadian History to 1867**

Canada's colonial era. The discovery and settlement of the regions that would be united in the Dominion of Canada in 1867. The development of social and political institutions. This course and HIST 374 provide a complete survey of Canadian history and a foundation for senior and advanced courses in this field.

**HIST 374-3 (BC=3)***(3-0-0) 15 weeks***A History of the Dominion of Canada**

A survey of the efforts to create a nation-state that controlled the northern half of the North American continent. The National Policy. The nature of a Canadian identity. Canada among the community of nations. Threats to the country's survival posed by regionalism, separatism, and the influence of the United States.

**HIST 377-3 (BC=3)***(3-0-0) 15 weeks***20th Century Canada**

The impact of industrialization on Canada and Canada's role in international affairs in the 20th century. Canada and the two World Wars. The growth of federal power. Canada as a northern nation. Quebec nationalism. Western alienation.

**HIST 379-3 (BC=3)***(3-0-0) 15 weeks***The First Nations and Canada**

The First Nations and their relations to the peoples of European origin who came to live on the territory that is Canada today, and who have reshaped its geography, culture, and governance. Issues may include colonization, the establishment of the treaty system, assimilation policies, and the revival of Aboriginal political awareness. Recommended preparation: 3 credits in Canadian History.

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## Human Resource Management

**HRM 505-3 (BC=3)***(3-0-0) 15 weeks***Introduction to Human Resources Management**

Develop a foundational understanding of Human Resources Management and its contribution to the organization in meeting strategic goals and objectives. HR issues, policies, procedures and practices related to all HR functions will be examined.

**HRM 510-3 (BC=3)***(3-0-0) 15 weeks***Workforce Planning and Talent Management**

Introduction to workforce planning and talent management as critical elements of an effective human resources management strategy. Focus on the strategic value of designing, implementing, and evaluating evidence-based workforce planning and talent management. Prerequisite: HRM 405

**HRM 515-3 (BC=3)***(3-0-0) 15 weeks***Recruitment and Selection**

Develop an understanding of the recruitment and selection process and its importance to strategic Workforce Planning. Emphasis will be placed on the various aspects influencing recruitment as well as ways to minimize errors in employment selection in order to increase an organization's competitive position. Prerequisite: HRM 405

**HRM 520-3 (BC=3)***(3-0-0) 15 weeks***Learning and Development**

Gain practical skills to strategically develop an organization's employees by: identifying employee learning needs, developing appropriate programs, and assessing overall effectiveness. Analyze the modern workplace as a learning environment with its associated challenges. Prerequisite: HRM 405

**HRM 525-3 (BC=3)***(3-0-0) 15 weeks***Total Rewards**

Apply frameworks and practical approaches to design, implement and evaluate a total rewards system. Total rewards techniques and considerations to evaluate and balance the strategic goals of the organization with employee needs. Prerequisite: HRM 405

**HRM 530-3 (BC=3)***(3-0-0) 15 weeks***Organizational Behaviour**

Develop an understanding of management concepts, theories of leadership and the impacts of rapid change in an organization. Emphasis is on how organizational success ultimately depends on individual motivational levels, personalities, values, teams, and how the manager effectively plans, leads and manages change to improve performance and commitment. Prerequisite: HRM 405

**HRM 535-3 (BC=3)****(3-0-0) 15 weeks****Employee and Labour Relations**

Explore the intricate balance of management rights and employee needs and the impact of society and politics in that relationship. Consider the influence of unions and how their presence impacts the employer-employee relationship.

Prerequisite: HRM 405

**HRM 540-3 (BC=3)****(3-0-0) 15 weeks****Occupational Health and Safety in the Workplace**

Develop knowledge of occupational health and safety legislation, issues and programs. Review strategies and techniques used by HR professionals to become actively involved in health and safety in the workplace: hazard assessments and controls, WHMIS, ergonomics, emergency response planning, incident investigation and promoting health and wellness in the workplace.

Prerequisite: HRM 405

**HRM 545-3 (BC=3)****(3-0-0) 15 weeks****Accounting and Finance for Human Resources Management**

Apply conceptual foundations of financial and management accounting to demonstrate how financial information is used in forecasting, budgeting, management and measurement of business operations.

Prerequisite: HRM 405

**HRM 550-3 (BC=3)****(3-0-0) 15 weeks****Employee Engagement**

Examine employee engagement as an organization-wide strategy that impacts achievement of mission-related goals, productivity and profitability. Consider factors that positively and negatively influence employee engagement. Identify the role of senior leadership, human resources, supervisors and employees in shaping an engaged workforce.

Prerequisite: HRM 405

**HRM 555-3 (BC=3)****(3-0-0) 15 weeks****Capstone**

Apply the knowledge and skills developed throughout the HR Graduate Certificate program to develop a comprehensive HR plan for an organization. Analyze the business issues and requirements of the organization. Present recommended solutions and provide rationale to resolve the business issues, drawing from relevant theory and research.

Prerequisite: Successful completion of all previous courses in Certificate

**HRM 561 (BC=1)****(0-1-1) (12 hours) 1 week****Applications in HR I**

Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources.

Prerequisite: HRM 405

**HRM 562 (BC=1)****(0-1-1) (12 hours) 1 week****Applications in HR II**

Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources.

Prerequisite: HRM 410, 415, 420, 425, 460

**HRM 563 (BC=1)****(0-1-1) (12 hours) 1 week****Applications in HR III**

Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources.

Prerequisite: HRM 430, 435, 440, 461

**HRM 564 (BC=1)****(0-1-1) (12 hours) 1 week****Applications in HR IV**

Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources.

Prerequisite: HRM 455

## Indigenous Studies

**INDS 205-3 (BC=3)****(3-0-0) 15 weeks****Indigenous Peoples in Canada**

Introduction to the historical and contemporary contexts and experiences of Indigenous Peoples in Canada with specific focus on Alberta. Introduction to the way Indigenous languages shape understanding and experiences. Introduces colonialism, cultural and political re-emergence, Indigenous and Non-Indigenous relations, and reconciliation.

## Instrumentation Engineering Technology

Note: IET courses are open to Engineering Technology students only.

**IET 105-3 (BC=6)****(3-0-2/2) 15 weeks****Programmable Controllers**

Examine the roles, functions, hardware, software, programming, and interfacing of programmable controllers in a production environment. Learn about digital logic concepts and PLC ladder logic. Write basic programs and create program documentation.

Prerequisite: GET 114.

**IET 115-3 (BC=5)***(3-0-2/2) 15 weeks***Process Measurements I**

Recognize the concepts necessary to perform work in hazardous areas. Describe the operation of pneumatic instrumentation devices. Analyze problems associated with instrument loops and pressure and level instruments.  
Prerequisite: GET 101.

**IET 120-3 (BC=5)***(3-0-2/2) 15 weeks***Process Control I**

Learn basic concepts of industrial process control. Identify equipment in a process control loop, methods used to achieve process control, fundamental control algorithms.  
Prerequisite: GET 101.

**IET 125-3 (BC=5)***(3-0-2/2) 15 weeks***Process Operations**

Explore process equipment used in chemical plants, petrochemical plants, and pulp mills with regard to basic operation and design.  
Prerequisite: GET 101.

**IET 130-3 (BC=5)***(3-0-0) 15 weeks***Industrial Chemistry**

Inorganic and organic chemistry concepts and principles related to industrial chemistry.

**IET 205-3 (BC=5)***(3-0-2/2) 15 weeks***Data Networking**

In-depth coverage of networking technologies, topologies, and protocols common to industrial networks.  
Prerequisite: GET 101.

**IET 210-3 (BC=4)***(3-0-2/2) 15 weeks***Industrial Information Systems**

Examine network architectures and technologies associated with the acquisition and management of industrial data. Introduction to open-protocol data transport and geographical information systems.  
Prerequisite: IET 205

**IET 215-3 (BC=5)***(3-0-2/2) 15 weeks***Process Measurements II**

Explore pressure level and temperature measurement methods, including calibration of transmitters and how measurement signals are generated. Learn related terminology and formulas.  
Prerequisite: GET 101

**IET 216-3 (BC=4)***(3-0-2/2) 15 weeks***Process Measurements III**

Troubleshoot, commission, install and maintain instruments for flow, density, and storage vessel measurement.  
Prerequisite: IET 115, IET 215

**IET 220-3 (BC=4)***(3-0-2/2) 15 weeks***Process Control II**

Explain fundamentals of process loop control and tuning. Techniques to address different types of process disturbances, stability issues and the protection of equipment and personnel.  
Prerequisite: IET 120.

**IET 221-3 (BC=4)***(3-0-2/2) 15 weeks***Process Control III**

Design and implement advanced control strategies to deal with excessive process disturbances and complex industrial processes.  
Prerequisite: IET 220.

**IET 225-3 (BC=4)***(3-0-2/2) 15 weeks***Analyzers I**

Examine the fundamentals of operating, troubleshooting and commissioning of liquid and gas analytical instruments.  
Prerequisites: IET 130, 115, 215

**IET 226-3 (BC=4)***(3-0-2/2) 15 weeks***Analyzers II**

Assess, calibrate, and validate industrial analyzers used for air quality, moisture, stack emissions, sampling systems, vibration, and composition of a process stream.  
Prerequisites: IET 225, GET 202.

**IET 228-3 (BC=4)***(3-0-2/2) 15 weeks***Electric & Fluid Power Systems**

Fundamental theory, analysis, and application of common instrumentation-based electrical circuits. Operational theory and application of fluid power control systems.  
Prerequisite: GET 101, GET 103

**IET 230-3 (BC=4)***(3-0-2/2) 15 weeks***Instrumentation Systems**

Design, select and size instruments and valves for an industrial project. Illustrate project management techniques, in a team, to create an instrumentation engineering package.  
Prerequisite: IET 216

**IET 235-3 (BC=4)***(3-0-2/2) 15 weeks***Reliability Based Maintenance**

Apply the principles and practices of reliability-centred maintenance. Identification of safety practices and standards, planning for routine, one-time, and systems change management, application of failure detection, analysis, and prevention.  
Prerequisites: IET 125, IET 130, IET 216, GET 202

**IET 240-3 (BC=3)***(3-0-0) 15 weeks***Capstone Project**

Researching and compiling a technical report on a topic that will incorporate the skill set of an Instrumentation Engineering Technology graduate. Progress reports occur at regular intervals. Concluding oral presentation to an industry audience.  
Prerequisites: IET 228, 216, 220  
Corequisites: IET 221, 230, 226, 210

**IET 245-3 (BC=4)***(3-0-2/2) 15 weeks***SCADA and HMI**

Learn about the main concepts, communication protocols, software, hardware, and interface technology used in remote monitoring, data collection, and control of industrial processes. Implement interactive Human-Machine Interface screens.  
Prerequisite: IET 105  
Corequisite: IET 205



## Interdisciplinary Studies

Note: Courses in interdisciplinary studies will normally be 'team taught' by members of different disciplines.

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**GNED 1102-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Controversies in Science

Introduction to scientific and mathematical knowledge and its role in society. The scientific method, the role of mathematics and statistics as reasoning tools in the analysis of scientific controversies. Researching, evaluating, and writing about science.

Note: This is an MRU course offered to MRU BBA students only.

**GNED 1203-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Cultural Perspectives on Science

This course introduces science as a cultural activity with the goal of developing critical thinking and writing skills. Students will learn to be conversant with some of the issues and debates concerning how science, technology, or medicine have shaped and continue to shape beliefs, values, and identities in our world.

Note: This is an MRU course offered to MRU BBA students only.

**GNED 1301-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Citizenship Without Borders

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.

Note: This is an MRU course offered to MRU BBA students only.

**INTD 240-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Integrated Arts Approach to Movement

Application of physical education emphasizing the connection between creative expression through the mediums of art, music, drama, dance and wellness as it applies to work with diverse clients with multiple needs. Provides students with creative alternatives to maximize the quality of life for clients broadening their outlook on the connection between creativity and wellness in physical education.

**INTD 241-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Wellness & Lifestyle Management

This course introduces the student to concepts of health, wellness and fitness, providing practical strategies for developing and maintaining a healthy lifestyle. Students, through lectures, practical experience and self-evaluation will address personal wellness in the areas of fitness, nutrition, stress management and self-responsibility. The course serves to assist the student in self-empowerment by developing and promoting healthy eating, attitudes of physical activity and behaviors for themselves and others.

**INTD 301-5 (BC=5)**  
**(2-0-14) 2 weeks**

### Cultural Immersion

The focus of this course is to develop cross-cultural competencies through immersion in an international setting or selected domestic location. Interagency collaboration and practical experience with an emphasis on global issues and their impact on health in regions with middle or low income populations will be the focus of this course. Recommended prerequisites: Any 200 level university transfer course.

**INTD 311-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Place, Environment and Health

An introduction to the geography of health providing a spatial understanding of population health focusing on the determinants of health, the provision of healthcare services and the role of place and environment in contemporary health challenges. Prerequisites: Any 200 level university transfer course.

**INTD 321-3 (BC=3)**  
**(3-1) 15 weeks**

### Contemporary Art in Process I

20th century trends in music, drama, visual art, dance, and creative writing. The course involves individual and group work by way of studying, being exposed to, and applying these disciplines. There are both evening performances and presentations and day classes. Limited to second and/or third year students.

**INTD 322-3 (BC=3)**  
**(3-1) 15 weeks**

### Contemporary Art in Process II

INTD 321 continued.

Prerequisite: INTD 321 or consent of instructor.

**INTD 325-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Mindfulness, Meditation & the Body

Introduction to contemplative practices with a focus on secular meditation and mindful body work. Topics include various contemporary practices, the influence of neuroscience, impact on professions, brain health, and how practices benefit clients/patients/employees/students and self. Prerequisite: Any 200 level course.

**INTD 370-3 (BC=3)**  
**(3-0-0) 15 weeks**

### Intersections of Global Health

Utilize a variety of interdisciplinary/interprofessional/intersectoral perspectives to explore major global health trends, issues and contributing factors as well as sustainable strategies/solutions that work toward the promotion of global health. Prerequisite: Any 200 level course or consent from the instructor

**INTD 375-3 (BC=3)**  
**(3-0-0) 15 weeks**

### An Interdisciplinary Approach to Social Gerontology

This interdisciplinary course on social gerontology introduces students to issues associated with aging in Canadian society. Social gerontology is explored from a variety of perspectives and disciplines. Prerequisite: Any 200 level university transfer course or consent of the department.

**INTP 102-4 (BC=4)****(4-0-0) 15 weeks****Healthcare Anatomy and Physiology**

Explore basic biological structures and functions of the human body using a systems approach. Develop understanding of the significance of interrelationships between systems. Consider specific applications relevant to various health disciplines. Use of medical terminology will be emphasized.

Note: Pre-Health Sciences Certificate students must have successfully completed HSCI 115 prior to taking this course.

**INTP 104-3 (BC=3)****(2-0-2) 15 weeks****Healthcare Communication I**

Develop verbal and non-verbal communication and active listening skills relative to professional health care relationships and situations. Interprofessional collaboration is introduced by identifying roles, team functioning, leadership, communication, conflict resolution, and client centered care.

**INTP 105-3 (BC=3)****(2-0-2) 15 weeks****Healthcare Communication II**

Application of advanced communication strategies to healthcare settings with a client-centered, inter-professional focus. Prerequisite: INTP 104

**INTP 201-3 (BC=3)****(3-0-0) 15 weeks****Interprofessional Leadership**

Examine current leadership issues, trends, theory, and practice to facilitate the development of the knowledge, skills, and attributes required of a leader to envision change and enable optimal health outcomes from a collaborative inter-professional perspective.

Prerequisite: PHT 140 or PN 258

**INTP 301-1 (BC=1)****(0-0-2) 7 weeks****Competency Screen**

Provides an opportunity for nursing applicants to practice and demonstrate previously attained knowledge and skills from an approved Nursing Program. This assessment will partly determine placement within a RDC Nursing Program.

**INTP 303-3 (BC=3)****(0-3-4) 7 weeks****Competency Development**

Refine and develop knowledge, skills and abilities required for nursing practice in clinical settings. Promote and practice client and student safety through demonstration of skills, knowledge, attitudes, behaviour and sound decision-making.

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## International Business

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**INTB 410 – 3 (BC=3)****(3-0-0)****Managing Cultural Difference**

Learn to apply culturally sensitive models of business communication to build effective business relationships by analyzing cultural values of various world cultures, identifying issues of social organization, addressing dynamics of intercultural communication, and negotiating across cultures to assess the impact on conducting international business.

**INTB 415 – 3 (BC=3)****(3-0-0)****International Marketing Management**

Learn the principles of international marketing by conducting both quantitative and qualitative research into and analyzing marketing opportunities in foreign markets. Develop marketing plans appropriate to global marketplace. Make product planning, pricing and promotion decisions within an international context and identify distribution structures required to plan market entry strategies.

**INTB 420 – 4 (BC=4)****(4-0-0)****Financing International Trade**

Examine the field of international trade finance. Key topics include trade finance products and services, payment, risk analysis and management, exchange rates, cash flow planning, export credit agencies, and international financial institutions.

**INTB 425 – 4 (BC=4)****(4-0-0)****International Trade Logistics**

Develop a comprehensive plan for the movement of goods and services between countries to gain a competitive advantage. Topics include supply chain management, warehouse management, shipment consolidation and containerization, inter-modal transportation management, commercial and government documentation, regulatory compliance, health and environment issues, transportation and customs clearance.

**INTB 430 – 3 (BC=3)****(3-0-0)****Legal Aspects of International Trade**

Understand the legal environment of international trade, in particular global trade agreements, international contracts and partnerships, intellectual property law, E-commerce, legal aspects concerning transportation of goods, and Canadian business and contract law.

**INTB 435 – 4 (BC=4)****(4-0-0)****International Trade Research**

Understand the research process, including defining objectives and identifying, collecting, analyzing, and presenting data. Evaluate import and export opportunities, source market information. Apply research and intelligence from various sources to international trade strategies.

**INTB 440 – 4 (BC=4)****(4-0-0)****International Trade Management**

Learn how to manage in a global economy. Topics include managing for international competitiveness and international risk, managing strategic alliances, and managing a multinational workforce.

**INTB 445 – 3 (BC=3)****(3-0-0)****International Market Entry Strategies**

Understand how to select, assess, and execute a market entry and exit strategy. Develop and write a strategic international business plan for a specific product or service. Understand and overcome barriers to entry. Learn how to find the right partner and create a partnership agreement and how to manage an international business operation.

**INTB 450 - 6 (Optional) (BC=6)**  
**(270 hours) 7 weeks**

**International Practicum**

*\*Eligible students can acquire work experience in the international business field through practicum following completion of the academic portion of the program. These training experiences give students an ideal way to apply what they have learned in class and also explore different potential career paths.*

*\*Available only to students who have passed all 10 courses with a minimum cumulative GPA of 3.0, with no grade below C in any of the courses. Practicum placements are not guaranteed.*

## Justice Studies

**JUST 100-3 (BC=4)**  
**(3-0-0) 15 weeks**

**The Canadian Justice System**

Examine and analyse patterns of crime and victimization; police operations, discretion and decision making; the criminal courts, including sentencing; the corrections systems, including correctional institutions and community-based models within the context of the structure and operation of the Canadian criminal justice system.

**JUST 105-1 (BC=2)**  
**(0-3-0) 15 weeks**

**Professional Seminar I**

Introduction to professional practice through integration of knowledge, skills, and values required of professionals within justice-related fields. Explore self-care, wellness, physical fitness, professional documentation standards, and personal values clarification.

Corequisites: JUST 100, ENGL 219

**JUST 110-3 (BC=4)**  
**(3-0-0) 15 weeks**

**Canadian Criminal Law**

Investigation of the nature, purpose, scope, sources, and basic principles of the Canadian criminal justice system. Study of the basic elements of a criminal offence and certain major defences. Examination of other statutes that impact on criminal law. Examination of issues in sentencing, victims' rights and emerging criminal justice issues. Prerequisite: JUST 100

**JUST 115-3 (BC=4)**  
**(3-0-0) 15 weeks**

**Corrections**

Introduction to the development and operation of correctional practices in Canada. Introduces the experiences of incarcerated persons and correctional staff. Examines the experiences of specific groups of incarcerated populations. Examines diverse case management and treatment practices. Investigates functions and dysfunctions of corrections and current issues and reform initiatives.

Prerequisite: JUST 100

**JUST 106-1 (BC=2)**  
**(0-3-0) 15 weeks**

**Professional Seminar II**

Develop professional practice through the integration of knowledge, skills, and values required of professionals within justice-related fields. Continued focus on self-care, wellness, physical fitness, professional documentation standards, and clarifying personal values.

Prerequisite: JUST 105

**JUST 200-3 (BC=4)**  
**(3-0-0) 15 weeks**

**The Justice System and Indigenous Canadians**

Examine relationships between Indigenous Peoples in Canada and the Justice System including the impact of language and structural factors. Explore Indigenous systems of justice and the connection between reconciliation and the Justice System.

Prerequisite: INDS 105, JUST 100

**JUST 205-1 (BC=2)**  
**(0-3-0) 15 weeks**

**Professional Seminar III**

Develop professional practice through integration of knowledge, skills and values required of the professionals within justice-related fields. Career preparation, technical writing, employability, communication skills and preparation for practicum are emphasized. Develop self-care, wellness, physical fitness, professional documentation standards, and clarifying personal values.

Prerequisite: JUST 106.

Corequisite: JUST 215

**JUST 206-1 (BC=2)**  
**(0-3-0) 15 weeks**

**Professional Seminar IV**

Apply professional practice knowledge, skills and values developed through professional seminars. Career preparation, technical writing, employability, communication skills and preparation for practicum are emphasized.

Prerequisite: JUST 205

**JUST 210-3 (BC=4)**  
**(3-0-0) 15 weeks**

**Conflict Resolution**

Examine the dynamics of conflict and conflict management. Concepts and practices of managing conflict within individual lives, the community justice field, and the larger societal context are introduced through application of philosophy, and using techniques to address and manage conflict on a societal, institutional and individual level.

**JUST 215-3 (BC=4)**  
**(3-0-0) 15 weeks**

**Community Justice Initiatives**

Introduce the various restorative justice/ crime prevention initiatives available in Alberta, and what roles these initiatives play in communities. Students focus on the roles of community justice initiatives such as restorative justice, victim-offender mediation, victim services, crime prevention organizations, crime response organizations, and vigilantism.

Prerequisite: JUST 100.

Corequisite: JUST 205

**JUST 220-3 (BC=4)**  
**(3-0-0) 15 weeks**

**Gender and the Justice System**

Examine the intersection of gender, ethnicity, and class in terms of victimization, offending, and working within the justice system.

Prerequisite: JUST 100

**JUST 225-4 (BC=5)**  
**(180 hours) 15 weeks**

**Practicum**

Introduce students to work placement in a justice setting. Application of in-class learning to a workplace setting, including building professional relationships and ethical conduct.

Prerequisite: JUST 205

## Kinesiology & Sport Studies

Note: Not all courses listed may be offered. Check Course Timetable for availability.

### A. Kinesiology & Sport Studies Courses

**KNSS 200-3 (BC=4)**

*(3-0-2) 15 weeks*

#### Structural Anatomy

Study of human structure including the systems of the body with emphasis on those involved in human movement. Laboratory work includes the use of various learning tools.

Prerequisite: Biology 30 recommended.

Note: Successful completion of this course with a minimum C+ will satisfy requirements for NURS 215.

**KNSS 201-3 (BC=3)**

*(3-0-0) 15 weeks*

#### Biomechanics

Qualitative analysis of human movement, using biomechanical principles.

Principles are based on basic physics and mathematical laws and theories which are transferred to real world situations to improve motor performance in humans.

**KNSS 202-3 (BC=4)**

*(3-0-2) 15 weeks*

#### Physiology of Exercise

Examination of how the human body physiologically responds to exercise. The lecture and laboratory experiences are designed to promote a theoretical and practical understanding of the acute and chronic adaptations to the human body with the implementation of a variety of exercise modes.

Prerequisite or Corequisite: PSIO 258/259.

**KNSS 203-3 (BC=3)**

*(3-0-0) 15 weeks*

#### Skill Acquisition and Performance

Theory of skill acquisition, motor learning, and performance in a variety of sports, physical activities, and recreation.

**KNSS 204-3 (BC=3)**

*(3-0-0) 15 weeks*

#### Introduction to Sociocultural Foundations of Physical Education, Leisure and Sport.

Study of the nature, function and role of play, physical education, recreation, leisure, and games as a basis for understanding the sociocultural foundations of sport and how contemporary society organizes and transfers attitudes and skills.

**KNSS 205-3 (BC=3)**

*(3-0-0) 15 weeks*

#### History of Sport

Development of the Olympic Sport Movement and the history of sport and leisure in Canada from colonial times to present providing a foundational understanding of the historical development of sport. Topics will include the historical effect and changes in professionalization, gender roles, culture, Olympic games structure and socialization in Canadian sport and leisure.

Prerequisite: KNSS 204.

**KNSS 209-3 (BC=3)**

*(3-0-0) 15 weeks*

#### Measurement and Evaluation

Methods and techniques for evaluating physical activity programs and participants. Applying tests and measurement in a variety of sport community and institutional settings.

**KNSS 210-3 (BC=3)**

*(2-0-2) 15 weeks*

#### Personal Fitness and Wellness

An exploration and application of the foundations of health, wellness and fitness from a personal perspective. Theory and practical strategies are used to empower the student in developing a healthy active lifestyle.

**KNSS 214-3 (BC=4)**

*(3-0-1) 15 weeks*

#### Introduction to Personal Physical Fitness

Examination and application of the foundations of physical fitness, with emphasis on the knowledge and understanding of basic concepts and methods of physical fitness and active living.

**KNSS 220-3 (BC=3)**

*(3-0-1.5) 15 weeks*

#### Introduction to Athletic Therapy

Athletic therapy in theory and practice. Sports medicine, care and prevention of injuries, and safety in athletics and physical education.

Prerequisite: KNSS 200.

**KNSS 240-3 (BC=4)**

*(3-0-1.5) 15 weeks*

#### Adapted Physical Education

Current trends, theory and practice in adapted physical activity including an overview of possible changes to task, environment and instruction as it relates to individuals with a disability.

**KNSS 244-3 (BC=3)**

*(3-0-0) 15 weeks*

#### Introduction to Nutrition

Overview of normal nutritional requirements, physiological functions and food sources. Examination of the importance of nutritional adequacy for optimal health and in disease prevention including evaluation of nutritional issues and nutritional status.

Note: Not to be taken by students with credit in KNSS 224.

**KNSS 250-3 (BC=3)**

*(3-0-0) 15 weeks*

#### Introduction to the Administration of Sport, Physical Activity, and Recreation Programs

Management concepts required to successfully administer a sport, physical activity, or recreation program. Tournament building/planning and event management are reinforced through practical learning experiences.

**KNSS 253-3 (BC=3)**

*(3-0-0) 15 weeks*

#### Psychological Sport Performance

Introduction to sport psychology and mental performance focusing on understanding human behavior in physical activity and sport. This course examines the perspectives of sport psychology in conjunction with personality and social psychology.

**KNSS 260-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Introduction to Coaching Theory**  
 Introduction to coaching theory focusing on theoretical and practical coaching topics including ethical decision-making, practice planning, basic mental skills, teaching and learning.  
 Note: This course meets the standards of N.C.C.P. Part A & Part B. Introduction to Competition.

**KNSS 270-3** (BC=3)  
**(2-0-2) 15 weeks**  
**Leadership and Instruction in Physical Activity**  
 Leadership, communication, instructional skills and development are explored on an individual and group basis and applied to a variety of settings and activities.

**KNSS 280-3** (BC=4)  
**(3-0-1) 15 weeks**  
**Introduction to Outdoor Education**  
 Concepts and experiences in outdoor education and leadership are explored through a four day fall camp held during the fourth week of August followed by weekly lectures. (See course notation in the Kinesiology & Sport Studies Program Description of the Academic Calendar.

**KNSS 285-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Physical Activity and Aging**  
 Examination of the biological, psychological and sociological aspects of aging and their application in developing activities and working with older adults. Emphasis will be given to the role of physical activity and its impact on aging.

**KNSS 299-3** (BC=3)  
**(1.5-0-0) 30 weeks**  
**Directed Studies in Kinesiology and Sport Studies**  
 Participation in applied practical experiences through the completion of a cooperative work experience of 90 to 100 hours plus 45 hours of seminars over 30 weeks or two academic terms.  
 Prerequisite: Consent of Chairperson.

**KNSS 306-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Values and Ethics in Adapted Physical Activity**  
 Exploration of the issues affecting the lives of marginalized individuals and communities. Defining and challenging historical moments, current issues, theories and practices in the area of adapted physical education and rehabilitation. Insight into the key values that guide professional practice for rehabilitation professionals and the fundamental ethical practices in adapted physical activity.  
 Prerequisite: KNSS 240 or consent of the department.

**KNSS 307-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Growth and Development**  
 Growth and development using a lifespan approach stressing changes in physical growth and motor development with emphasis on individual differences.

**KNSS 340-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Pedagogies in Adapted Human Movement**  
 Application of different pedagogical approaches to teach human movement required in adapted physical education settings. Knowledge and experience will be gained working with individuals in diverse populations through a community service learning approach.  
 Prerequisite: KNSS 240.

**KPED 292-3** (BC=4)  
**(3-0-1.5) 15 weeks**  
**Introduction to Elementary School Physical Education**  
 This course provides theoretical and practical experiences in teaching and planning physical education. Emphasis is on physical literacy and developmentally appropriate activities for elementary school aged children 5-12.

**KPED 294-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Introduction to the Movement Activities of Youth, Part I**  
 A wide range of physical activities and important underlying concepts. Emphasis is on understanding concepts which relate to games, skills, and activities.

**KPED 295-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Introduction to the Movement Activities of Youth, Part II**  
 Emphasis is on individual activities in a range of settings.  
 Prerequisite: KPED 294.

**KPED 309-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Introduction to the Scientific Basis of Human Movement**  
 Structure, function, and capacities of the human body as they relate to movement.  
 Note: Not for Kinesiology degree credit.

#### B. Dance Courses

**KDNC 200-3** (BC=3)  
**(3-1) 15 weeks**  
**The Spectrum of Dance in Society**  
 Theory and practice of dance as a human physical activity. Focus will be on the aesthetic, expressive, and rhythmical aspects of movement in a culture's artistic and social life. Movement content, techniques, improvisation, and composition in a variety of dance forms.

**KDNC 255-1.5** (BC=2)  
**(2-1) 15 weeks**  
**Social Dance**  
 Theory and practice for individuals and partners in the foxtrot, waltz, swing, rumba, cha cha, and additional dances.

**KDNC 260-1.5** (BC=2)  
**(2-1) 15 weeks**  
**Jazz Dance**  
 Theory and personal skill in body awareness and placement, locomotion, and choreographed jazz dance.

**KDNC 340-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Modern Dance**  
 Theory and practice in creative dance technique, improvisation, and composition.

### C. Physical Activity Courses

Physical activity is the primary means physical educators use to help others attain well-being and personal fulfillment. As a Kinesiology and Sport Studies student, or an Education student with a P.E. major or minor, you need to take part in and appreciate a variety of activities, from your own and other cultures, to better meet the leisure and work needs of your clients. You will develop a personal foundation of physical activity, including appreciation, skill, analytical understanding, and knowledge about different activities. Physical activity is the "physical" in physical education.

**KPAC 200-3** (BC=3)  
**(3-0) 15 weeks**  
**Swimming**  
 Theory and practice in the front and back crawl, breast stroke, side stroke, and elementary back stroke. Other aquatic skills.

**KPAC 211-3** (BC=3)  
**(3-0) 15 weeks**  
**Basketball**  
 Theory and practice in individual and team activities.

**KPAC 214-3** (BC=3)  
**(3-0) 15 weeks**  
**Ice Hockey**  
 Technical and introductory tactical components of the game of ice hockey are presented. Emphasis will be placed on improving both technical skills and coaching expertise. Students are eligible for Hockey Canada Coach Level and Developmental Level Certification.

**KPAC 218-3** (BC=3)  
**(3-0) 15 weeks**  
**Soccer**  
 Theoretical and practical aspects of the game of soccer at an introductory level including the four basic soccer skills: control, dribbling, passing and shooting. Introduction to goalkeeping and transferring these skills into small sided games. Adaptation of skills to indoor, outdoor and special needs variations will also be covered.

**KPAC 231-3** (BC=3)  
**(3-0) 15 weeks**  
**Badminton**  
 Theory and practice in service and service return, forehand and backhand drive, clear and smash, drop shots, basic tactics, and officiating. (Must supply own equipment.)

**KPAC 233-1.5** (BC=2)  
**(2-1) 15 weeks**  
**Racquetball/Squash**  
 Theory and practice in service and service return, forehand and backhand strokes, and basic tactics. (Must supply own equipment.)

**KPAC 235-3** (BC=3)  
**(3-0) 15 weeks**  
**Tennis**  
 Theory and practice in service and service return, forehand and backhand strokes, approach shorts, volley, lob, and basic tactics. (Must supply own equipment.)

**KPAC 237-3** (BC=3)  
**(3-0) 15 weeks**  
**Volleyball**  
 Theory and practice in individual and team activities.

**KPAC 240-1.5** (BC=2)  
**(2-1) 15 weeks**  
**Baseball/Fastball**  
 Theory and practice in individual and team activities.

**KPAC 245-3** (BC=3)  
**(3-0) 15 weeks**  
**Golf**  
 Theory and practice in driving, chipping, pitching, and putting. A fee may be charged for green and range fees.

**KPAC 255-3** (BC=3)  
**(3-0) 15 weeks**  
**Yoga for Beginners**  
 Introduction to fundamental yoga postures and development of a basic understanding of yoga theory as it pertains to health and wellness. Focus will be given to the different schools of Hatha Yoga, primarily on Ashtanga Yoga, emphasizing progressive practice of selected yoga asanas.

**KPAC 260-1.5** (BC=2)  
**(2-1) 15 weeks**  
**Gymnastics**  
 Theory and practice in the basic movements common to all forms of gymnastics.

**KPAC 270-1.5** (BC=2)  
**(2-1) 15 weeks**  
**Track and Field**  
 Theory and practice in sprints, long jump, shot put, hurdles, high jump, discus, distance running, triple jump, javelin, and pole vault.

**KPAC 281-1.5** (BC=2)  
**(2-1) 15 weeks**  
**Cross Country Skiing**  
 Personal skill development in diagonal striding, double poling, skating, christy and telemark.  
 Note: One day trip will be scheduled on a weekend during the course.

**KPAC 290-3** (BC=3)  
**(3-0) 15 weeks**  
**Metabolic Conditioning**  
 Develop knowledge and training in cardiovascular fitness through aerobic and anaerobic conditioning.

**KPAC 296-3** (BC=3)  
**(3-0) 15 weeks**  
**Flexibility and Relaxation**  
 Study of flexibility and relaxation, in relation to overall fitness and personal well being, through physiological, historical, biomechanical, individual, cultural and leadership perspectives. Exploration of practical methods to include this knowledge into personal life and leadership training.

**KPAC 310-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Aquatics**  
 The development of proficiency in swimming, understanding of scientific principles applied to performance and analysis of aquatic skills, development of teaching skills, and understanding and application of lifesaving theory and resuscitation.  
 Prerequisite: Red Cross Blue Level (Level 6) or ability to swim front crawl and back crawl efficiently.

**KPAC 311-3 (BC=3)****(3-0-0) 15 weeks****Analysis and Instruction of Basketball**

Theory, practice, and teaching of the fundamental skills of basketball.

Prerequisite: KPAC 211 or consent of Department.

**KPAC 314-3 (BC=3)****(3-0-0) 15 weeks****Analysis and Instruction of Ice Hockey**

Advanced theory of the game of Ice Hockey is emphasized. Included are on-ice skills development and the practice of on-ice tactics and multiple player strategies. (Must supply own equipment).

Prerequisite: KPAC 214 or consent of Department.

Note: You must have the minimum skating ability of an average hockey player.

**KPAC 321-3 (BC=3)****(3-0-0) 15 weeks****Applied Resistance Training**

Examination and application of fundamental and specific principles associated with resistance training methodologies.

**KPAC 337-3 (BC=3)****(3-0-0) 15 weeks****Analysis and Instruction of Volleyball**

Theory, practice, and teaching of basic skills. Emphasis is on acquiring skills and basic team systems.

Prerequisite: KPAC 237 or consent of Department.

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## Legal Assistant

(Open to Legal Assistant students or with consent of the Department.)

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**LEGL 100-3 (BC=3)****(3-0) 15 weeks****Beginning Keyboarding**

Introduction to keyboarding skills including touch keying with no key watching. Emphasis on building skills through proper technique. Prior Learning recognition is available and must be completed before the course add/ drop date.

**LEGL 105-1 (BC=1)****(1-0) 15 weeks****Introduction to the Canadian Legal System**

The operation and various roles in the Canadian legal system including the processes and institutions involved in making laws.

**LEGL 110-3 (BC=3)****(3-0) 15 weeks****Litigation I**

Introduction to civil litigation including the legal system, structure of a law suit, Rules of Court, commencing an action by Statement of Claim, Judgments if no defence, and settlement procedures.

**LEGL 115-3 (BC=3)****(3-0) 15 weeks****Litigation II**

Examination of the Defendant's choices in a contested law suit. Also includes torts and how matters get to trial when settlements are not successful.

Prerequisite: LEGL 110.

**LEGL 120-3 (BC=3)****(3-0) 15 weeks****Corporate Law**

Review of Alberta business structures and legal procedures including creating and maintaining a corporate minute book in accordance with the Business Corporations Act, reporting to the law office client and completing the annual requirements of the corporation.

**LEGL 125-2 (BC=2)****(2-0) 15 weeks****Contracts**

Components of a contract, common problems and their remedies.

Prerequisite: LEGL 105.

**LEGL 130-3 (BC=3)****(3-0) 15 weeks****Real Estate I**

Introduction to real estate practice for legal assistants in Alberta including an overview of the Land Titles system, Personal Property Registry system, types of ownership and documentation used in this practice.

**LEGL 135-3 (BC=3)****(3-0) 15 weeks****Business Keyboarding**

Accuracy and speed building in keyboarding skills including transcription work and document production for the creation of business forms, legal documents and correspondence.

Prerequisite: LEGL 100.

**LEGL 140-3 (BC=3)****(3-0) 15 weeks****Introductory Information Processing for the Legal Assistant**

This is a supported self-directed course covering an introduction to computers together with introductory and intermediate level word processing.

This course will provide a foundation of computer literacy for the Legal Assistant field. Not available for Prior Learning recognition.

**LEGL 145-2 (BC=2)****(2-0) 15 weeks****Criminal Law**

The principles and administration of criminal law using the Criminal Code of Canada and the Charter of Rights and Freedoms.

**LEGL 200-3 (BC=3)****(3-0) 15 weeks****Professional and Interpersonal Skills**

Application of professional skills and behaviour, including ethics, as well as development of interpersonal conflict resolution and job search skills.

**LEGL 205-3 (BC=3)****(3-0) 15 weeks****Estate Planning**

Preparation of Wills, Enduring Powers of Attorney, Personal Directives, and applications for a Guardian and Trustee and the associated documents including the distribution of an estate when a person dies without a will.

**LEGL 210-3 (BC=3)****(3-0) 15 weeks****Litigation III**

Collection of judgments, Writs of Enforcement, garnishment, seizures and an introduction to Chamber applications. Prerequisite: LEGL 115.

**LEGL 215-3 (BC=3)***(3-0) 15 weeks***Litigation IV**

Development of draft documents for chamber applications, using a problem solving approach, based upon fact situations using the Rules of Court as the primary resource.

Prerequisite: LEGL 210.

**LEGL 220-3 (BC=3)***(3-0) 15 weeks***Intermediate Information Processing for the Legal Assistant**

Application of advanced word processing concepts, communication, scheduling and law office accounting software.

Prerequisite: LEGL 140.

**LEGL 225-3 (BC=3)***(3-0) 15 weeks***Estate Administration**

Preparation of necessary documentation for the transfer of a deceased's estate to beneficiaries based on the Surrogate Court Rules. Includes applications for Probate and Administration.

Prerequisite: LEGL 205.

**LEGL 230-3 (BC=3)***(3-0) 15 weeks***Real Estate II**

File development in the practice of real estate in Alberta, focusing on the legal assistants' role in the purchasing and financing of residential real estate.

Prerequisite: LEGL 130.

**LEGL 233-3 (BC=3)***(3-0) 15 weeks***Commercial Law**

Introduction to the purchase and sale of a business including: Master Sales Agreements, sale of shares, sale of assets, the Alberta Personal Property Registry system and commercial financing.

Prerequisites LEGL 120 & LEGL 230.

**LEGL 235-3 (BC=3)***(3-0) 15 weeks***Real Estate III**

File development in the practice of real estate in Alberta focusing on both Seller and Buyer perspectives for a variety of transactions.

Prerequisite: LEGL 230.

**LEGL 240-3 (BC=3)***(3-0) 15 weeks***Family Law**

Production of documentation for an application for parenting, a Divorce and a Separation Agreement using the Family Law Act, Divorce Act, Matrimonial Property Act and the Rules of Court. Includes issues regarding support, custody, access, and also alternative dispute resolution methods.

**LEGL 245-3 (BC=3)***(3-0) 15 weeks***Technology Integration for the Legal Assistant**

Application of advanced computer applications using a case based approach to cloud computing, spreadsheets, databases and specific law office software.

Prerequisite: LEGL 220.

**LEGL 250-3 (BC=3)***(15 hrs class/175 hrs) 6 weeks***Practicum**

Directed practicum preparation followed by 175 hours (equivalent of about 5 weeks of full time work) of supervised practicum in a legal environment in the role of legal assistant.

Prerequisite: Completion of all other requirements with a GPA of 2.0.

## Management

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**MGMT 210-3 (BC=3)***(3-0) 15 weeks***Project Management**

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.

Credit will not be granted for both BADM 253 and MGMT 210.

Must be a BBA student or have consent of the Donald School of Business.

**MGMT 215-3 (BC=3)***(3-0) 15 weeks***Entrepreneurship**

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.

Credit will not be granted for both BADM 251 and MGMT 215.

Must be a BBA student or have consent of the Donald School of Business.



**MGMT 220-3 (BC=3)**  
**(3-0) 15 credits****Interpersonal Communications**

This course provides an introduction and overview to aspects of interpersonal communication. Utilizing a mix of theory and application, the course provides students with opportunities to gain an understanding of the elements of interpersonal communication and demonstrate a foundational level of knowledge and skill of the application of interpersonal communication for use in a variety of settings.

Credit will not be granted for both BADM 204 and MGMT 220.

Must be a BBA student or have consent of the Donald School of Business.

**MGMT 310-3 (BC=3)**  
**(3-0-0) 15 weeks****Introduction to the Stock Market**

This course focuses on key principles of technical and fundamental analysis necessary to make successful investment decisions. Examined are key factors which influence various financial markets. Students will participate in a group stock market simulation by applying stock selection principles to construct a portfolio.

**MGMT 315-3 (BC=3)**  
**(3-0-0) 15 weeks****Advanced Corporate Finance**

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 economic theory of the firm, advanced capital budgeting concepts, stakeholder conflicts, and mergers and acquisitions.

Prerequisite: BADM 260 or BUS 310 (Recommended BUS 310) or consent of the DSB.

**MGMT 320-3 (BC=4)**  
**(3-0-1) 15 weeks****Business Statistics II**

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

Prerequisites: BUS 306 or BADM 111.

Credit will not be granted for both BUS 307 and MGMT 320.

Must be a BBA student or have consent of the Donald School of Business.

**MGMT 410-3 (BC=3)**  
**(3-0) 15 weeks****Global Business Environment**

Introduction to the field of international business emphasizing: national economic, political and cultural differences; globalization; international institutions' roles in facilitating international trade and trade agreements; international money system; and current trends in international business. Canada's place within the global economy and the challenges Canadian business encounter conducting international business.

Must be BBA student or consent of the Donald School of Business.

**MGMT 420-3 (BC=3)**  
**(3-0) 15 weeks****Operations Management**

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: BUS 306 or BADM 111. Must be a BBA student or have consent of the Donald School of Business.

**MGMT 430-3 (BC=3)**  
**(3-0) 15 weeks****Business Plan Development**

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.

Prerequisite: BADM 110, BADM 132, ACCT 104 or 204. Must be a BBA student or have consent of the Donald School of Business.

**MGMT 450-3 (BC=3)**  
**(3-0) 15 weeks****Leadership**

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. The assigned readings and practical exercises and assignments are designed to help students foster an appreciation of the complexity of the issues and factors facing the organizational leadership process. This course will help to develop the leadership skills that are necessary in students' personal and professional roles. Prerequisite: BADM 281. Must be a BBA student or have consent of the Donald School of Business.

**MGMT 460-3 (BC=3)**  
**(3-0) 15 weeks****Change Management**

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: BADM 110. Must be a BBA student or have consent of the Donald School of Business.

**MGMT 470-3 (BC=3)****(3-0) 15 weeks****Corporate Social Responsibility**

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

Prerequisite: BUS 303 or MGMT 450. Must be a BBA student or have consent of the Donald School of Business.

**MGMT 490-3 (BC=3)****(3-0) 15 weeks****Strategic Management**

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: BUS 303 or MGMT 450, BADM 132, BADM 281, ACCT 104 or ACCT 204, BADM 260 or BUS 310.

Prerequisite or Corequisite: MGMT 420. Must be a BBA student or have consent of the Donald School of Business.

## Mathematics

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**MATH 202-3 (BC=4)****(3-2) 15 weeks****Elementary Calculus I**

Introduction to Calculus with skill development lab. Review of analytic geometry. Differentiation of elementary, trigonometric, exponential, and logarithmic functions. Applications of the derivative. Fundamental Theorem of Calculus.

Prerequisite: Math 30-1.

Note: You should take MATH 203 instead if you have at least 70% in MATH 30-1. You cannot have credit in both MATH 202 and MATH 203.

**MATH 203-3 (BC=3)****(3-0) 15 weeks****Elementary Calculus**

Introduction to Calculus. Review of analytic geometry. Differentiation of elementary, trigonometric, exponential, and logarithmic functions. Applications of the derivative. Integration. Fundamental Theorem of Calculus.

Prerequisite: Math 31 or equivalent.

Note: You should take Math 202 instead if you have less than 70% in Math 31. You cannot have credit in both MATH 202 and 203.

**MATH 204-3 (BC=3)****(3-1) 15 weeks****Elementary Calculus II**

Differentiation and integration of trigonometric, exponential, and logarithmic functions. Indeterminate forms and improper integrals. Techniques of integration. Applications.

Prerequisite: MATH 202 or 203 or equivalent.

Note: You cannot have credit in both MATH 204 and MATH 213.

**MATH 212-3 (BC=4)****(3-2) 15 weeks****Calculus I**

Review of functions and analytic geometry. Trigonometric, logarithmic, exponential and hyperbolic functions. Inverse functions. Limits and continuity. Derivatives and their interpretation. Methods of differentiation and applications. Parametric and polar coordinates and functions.

Prerequisite: Math 30-1 and 31.

Note: Designed for Engineering students.

**MATH 213-3 (BC=5)****(4-2) 15 weeks****Calculus II**

Integrals and areas: numerical methods and the Fundamental Theorem of calculus. Basic integration methods. Applications of integration to lengths, areas, volumes, and other physical quantities. Advanced integration methods. Differential equations. Infinite series and Taylor expansions.

Prerequisites: MATH 212.

Note: Designed for Engineering students.

**MATH 221-3 (BC=3)****(3-0) 15 weeks****Linear Algebra I**

Solving linear systems of equations, matrix algebra, determinants, vectors, lines and planes, subspaces of n-space, and applications. Introduction to linear transformations, eigenvalues and eigenvectors.

Prerequisite: Math 30-1.

**MATH 223-3 (BC=3)****(3-0-1) 15 weeks****Applied Linear Algebra**

Vectors and matrices. Solution of linear equations. Equations of lines and planes. Vector spaces and bases. Determinants. Matrix algebra. Orthogonality and applications (least squares, Gram-Schmidt). Eigenvalues and eigenvectors and applications.

Prerequisite: Math 212.

Note: Designed for Engineering Students

**MATH 251-3 (BC=3)****(3-0) 15 weeks****Mathematics of Finance I**

Simple and compound interest. Simple and general annuities certain. Variable annuities and perpetuities. Amortization schedules. Sinking funds. Applications.

Prerequisites: Math 30 -1.

**MATH 260-3 (BC=3)****(3-0) 15 weeks****Higher Arithmetic**

Critical thinking & problem solving. Tools for problem solving. Numeration systems, system of integers and elementary number theory, modulo mathematics. Rational numbers, ratio and proportion. Introduction to statistics.

Prerequisite: Math 30-1 or Math 30-2 or consent of the Department.

Note: This course is restricted to Elementary Education students.

**MATH 302-3 (BC=4)****(4-0) 15 weeks****Intermediate Calculus I**

Infinite series. Plane curves and polar coordinates. Vectors and three dimensional analytic geometry. Partial derivatives.

Prerequisite: MATH 204 or equivalent.

**MATH 303-3 (BC=4)****(4-0) 15 weeks****Intermediate Calculus II**

First order and second order linear differential equations with constant coefficients. Curves, tangent vectors, and arc length. Integration in two and three dimensions. Polar, cylindrical, and spherical coordinates. Line and surface integrals. Green's divergence and Stoke's theorems.

Prerequisite: MATH 302.

**MATH 313-3 (BC=3)****(3-1S-0) 15 weeks****Differential Equation**

First order linear and non-linear equations. Linear differential equations with constant coefficients. Laplace Transforms and application. Picard's method. Series solutions.

Prerequisite: MATH 204 or 213 or equivalent. Corequisite: MATH 302.

Note: Open to Engineering, Agricultural Engineering, B.Sc. in Physics, Geophysics, Computer Science, Geography (Meteorology) and Mathematics students only.

**MATH 328-3 (BC=3)****(3-0) 15 weeks****Introduction to Abstract Algebra**

Properties of integers. Permutations. Groups. Lagrange's theorem. Factor groups. Polynomials. Rings. Fields.

Prerequisite: Math 30 and a previous university-level mathematics course.

## Mechanical Engineering Technology

Note: MET courses are open to Engineering Technology students only.

**MET 102-2 (BC=2)****(2-0-2/2) 15 weeks****Fabrication**

Learn basic fabrication operations, tools, and industrial safety practices. Experience the fabrication environment and the application of layout tools, hand tools and measuring tools. Learn about welding methods and surface processes.

Prerequisites: GET 101, GET 106.

**MET 120-3 (BC=3)****(3-0-0) 15 weeks****Statics**

Engineering design: forces, loads and stresses. Establish free body diagrams, calculate moments and stresses and study vector mathematics, centroid, distributed loads, strains, safety factor, Hooke's Law.

Prerequisite: GET 111.

**MET 125-3 (BC=3)****(3-0-2/2) 15 weeks****Materials Science**

Gain an understanding of the effects of physical and chemical influences on the properties of solid materials. Study and investigate mechanical, thermal, electrical and magnetic behaviors. Destructive and nondestructive testing will be covered in detail.

**MET 130-2 (BC=2)****(2-0-2/2) 15 weeks****Fluid Mechanics**

Study fluid statics, manometry laws, similarity and dimensional analysis as well as Bernoulli's equation, laminar and turbulent flow, Reynolds number, buoyancy, energy loss and pump design, forces on gates, and flow and pressure measurement.

Prerequisite: GET 111.

**MET 135-3 (BC=3)****(2-2-0) 15 weeks****Thermodynamics**

Examine the first and second laws of thermodynamics. Analyze thermodynamic cycles, including heat pumps, heat engine, and refrigeration. Learn the fundamentals of heat transfer.

Prerequisite: GET 111.

**MET 140-3 (BC=3)****(2-0-2) 15 weeks****3D CAD**

Extend knowledge of 2D CAD to 3D parametric solid modeling of parts and assemblies. Learn geometric dimensioning and tolerancing for manufacturing applications. Reconstruct actual surfaces in software.

Prerequisite: GET 106.

**MET 201-3 (BC=4)****(3-0-3/2) 15 weeks****Fluid and Bulk Materials Systems**

Learn about the concepts, design, and applications of hydraulic and pneumatic fluid power systems and bulk materials handling systems. Simulation and practical troubleshooting of fluids circuits will be explored.

Prerequisites: MET 130, MET 135.

**MET 205-2 (BC=2)****(2-0-2/2) 15 weeks****Dynamics**

Learn the mechanical principles of motion and forces of dynamic systems. Study the kinematics and kinetics of objects in translation and rotation, the effect of acceleration on motion, in addition to conservation of energy principles and applications.

Prerequisites: MET 120; GET 112.

**MET 208-3 (BC=3)****(3-0-0) 15 weeks****Mechanical Design**

Learn and apply the concepts of machine design, including the analysis and selection of components such as shafts, threaded fasteners, bearings, gears, and springs. Specific applications to work holding (jig and fixture design) will be included.

Prerequisites: MET 140, MET 205, MET 220.

**MET 210-2 (BC=2)***(2-0-2/2) 15 weeks***Building Systems**

Design building systems such as Heating, Ventilation and Air Conditioning (HVAC), fire protection, and piping/plumbing. Learn how to calculate thermal loads. Develop skills needed to interpret building system drawings, specifications and codes.

Prerequisite: MET 135.

**MET 212-4 (BC=4)***(3-0-3) 15 weeks***Manufacturing**

Gain an understanding of the capabilities and limitations of material removal, addition, and shaping manufacturing processes. Operate manufacturing equipment such as machining and rapid prototyping tools.

Prerequisites: MET 102, MET 125, MET 140.

**MET 220-3 (BC=3)***(3-0-0) 15 weeks***Strength of Materials**

Review the basic concepts of strength of materials as well as stress and strain due to various loadings including thermal loading.

Prerequisite: GET 112, MET 120, MET 125.

**MET 224-3 (BC=4)***(3-0-3/2) 15 weeks***Reliability and Failure Analysis**

Gain the knowledge and tools needed to design for reliability and conduct an engineering investigation to assess potential sources, causes and solutions for failure prevention and analysis.

Prerequisites: GET 101, GET 202, MET 125.

**MET 230-2 (BC=2)***(2-0-2/2) 15 weeks***Robotics**

Study robotics as a convergence of electrical & mechanical engineering, computer science, control theory and automation. Learn robot applications, types, tools, programming, drive systems, object detection, safety, communications and specifications.

Prerequisites: GET 103, GET 112.

Corequisites: MET 205 - Dynamics.

**MET 235-3 (BC=3)***(3-0-3/2) 15 weeks***Computer Integrated Manufacturing**

Explore Computer Integrated Manufacturing, including materials handling systems, group technology, industrial robots, computer vision, and Coordinate Measuring Machines. Test and simulate an assembly line using a miniature production system.

Prerequisites: MET 230, MET 260.

**MET 240-4 (BC=4)***(3-0-2) 15 weeks***CNC Manufacturing**

Computer Numerical Control (CNC) machining processes and programming. Select suitable machine tools, set up correct parameters, understand machining process critical path, and carry out simulations and processes on industrial CNC machines.

Prerequisite: MET 140 and MET 212.

**MET 258-3 (BC=3)***(3-0-0) 15 weeks***Capstone Project**

Researching and compiling a technical report on a topic that will incorporate the skill set of a Mechanical Engineering Technology graduate. Progress reports occur at regular intervals. Concluding oral presentation to an industry audience.

Prerequisites: Term three course completion or consent of Associate Dean.

**MET 260-2 (BC=2)***(2-0-3/2) 15 weeks***Manufacturing Automation**

Install, configure, program and interface a variety of hardware and software in a manufacturing environment. Use Human Machine Interfaces to link with Programmable Logic Controllers and other devices to monitor and control equipment and processes.

Prerequisites: GET 101, GET 103, GET 114.

## Media Studies & Professional Communication

**MSPC 105-3 (BC=3)***(3-0-0) 15 weeks***Interpersonal and Group Communication**

Theory and practice of communicating with other people in interpersonal and group situations, with an emphasis on professional settings. Topics include perception, listening, language, nonverbal communication, and group dynamics.

**MSPC 110-2 (BC=2)***(2-0-0) 15 weeks***Visual Design Principles**

Introduction to the basic principles of visual design, including elements such as balance, proportion, colour, and positioning of images and text. Evaluate visual designs for their impact on audiences and receive basic instruction in the construction of images and designs using industry standard software.

**MSPC 115-1 (BC=2)***(1-0-1) 15 weeks***Basic Photography**

Introduction to digital photography to support an organization's communications goals. Students will learn the basic composition elements of photographs and will practice selecting, producing and editing photographs for use in organizational communication, such as social media, websites, and print materials.

**MSPC 120-3 (BC=3)***(3-0-0) 15 weeks***Online Communication and Social Media**

Theoretical and practical introduction to online communication and social media in the context of organizational communication. Examine the features of current online and social media tools, as well as the integration of social media campaigns in organizations' communications plans.

**MSPC 205-3 (BC=3)****(3-0-0) 15 weeks****Document Design and Editing**

Theory and practice of the creation of effective documents in workplace settings. Examine the principles of effective document design and the techniques of editing written communication as well as the impact of document design on audience perception of messages and organizations.

**MSPC 210-3 (BC=3)****(3-0-0) 15 weeks****Marketing and Branding**

Introduction to basic marketing communications and branding principles. Examine the integration of marketing practices in organizations and the strategies used to develop, maintain and change an organization's brand identity.

**MSPC 215-3 (BC=3)****(3-0-0) 15 weeks****Introduction to Project Management**

Overview of the process of project management. Topics will include the various factors involved in managing projects, including personnel, technology, and finances, as well as the communications strategies needed to support these projects. An introduction to event planning will also be included.

**MSPC 220-3 (BC=3)****(3-0-0) 15 weeks****Issues in Communications Studies: Politics, Economics, Culture and Organizations**

An in-depth examination of the impact of politics, economics, culture, and organizational structure on communications messages including the preparation of a communications plan for an organization that integrates all of these issues.

**MSPC 225-3 (BC=3)****(3-0-0) 15 weeks****Entrepreneurship and Professionalism**

Overview of key strategies enabling students to find meaningful work in the field and creating entrepreneurial opportunities. Examine the importance of professionalism in organizational communication and practice presenting in person and in writing, for employment or securing other professional opportunities. Focus will be identifying opportunities and resources for contract work.

**MSPC 230-3 (BC=3)****(0-0-3) 135 hours****Practicum Experience**

Experience in assisting with an organization's communications activities, developing skills and knowledge that apply and expand on the concepts learned throughout the Media Studies and Professional Communication diploma program.

Prerequisite: Successful completion of minimum of three terms of course work in MSPC program or permission of Associate Dean.

## Medical Lab Assistant

**MLA 104-1 (BC=1)****(3-0-0) 6 weeks****Medical Terminology**

Guide the student through the proper use and interpretation of medical terminology, abbreviations, and symbols commonly used in the health care system.

**MLA 105-1 (BC=1)****(3-0-0) 5 weeks****Infection Control and Safety**

Explore how microorganisms are transmitted, and apply routine practices and standard precautions to protect against transmission or exposure to disease.

**MLA 115-8 (BC=8)****(40 lab, 240 Practicum)****Clinical Practicum**

Acquire practical experience within acute care facilities and collection sites to obtain MLA competencies set by the Canadian Society of Medical Laboratory Science (CSMLS). Clinical simulation labs will be completed prior to practicum start. Prerequisites: a minimum GPA of 2.0 in each of: INTP 102, INTP 104, MLA 104, MLA 105, MLA 117, MLA 119, and MLA 121

**MLA 117-5 (BC=5)****(3-0-2) 20 weeks****Professional Practice and Medical Lab Testing**

Theoretical aspects and practical experiences of performing electrocardiograms and basic laboratory procedures. An introduction of professional practice encompassing scope of practice, accountability, regulation, and certification as it pertains to the laboratory profession.

**MLA 119-5 (BC=5)****(3-0-2) 20 weeks****Specimen Collection, Handling and Quality Lab Processes**

Examine the suitability, collection, handling and transportation of lab specimens in both theoretical and practical contexts. Principles of quality management systems and their methods are introduced.

**MLA 121-5 (BC=5)****(3-0-2) 20 weeks****General Lab Procedures and Urinalysis**

Perform basic laboratory procedures, examine urine and its constituents using both macroscopic and microscopic techniques.

## Microbiology

**MICR 365-3** (BC=4)  
(3-0-3) 15 weeks

### General Microbiology

Nutrient uptake, metabolism, extracellular proteins, chemotaxis, and differentiation. The eukaryotic microbes, their ecological roles, and eukaryotic cell culture. The interactions environment and symbiotic relationships. Basic principles of industrial microbiology. The use of biotechnology for producing economically and medically important substances. Laboratory exercises deal with topics related to the lecture material.

Prerequisite: BIOL 217 and CHEM 251 or CHEM 351.

## Motion Picture Arts

**MPA 301-3** (BC=3)  
(3-0) 15 weeks

### Motion Picture Fundamentals I

Development of knowledge of all aspects of live action motion picture production. Includes development of basic competence in production, direction and communication.

**MPA 302-3** (BC=3)  
(3-0) 15 weeks

### Motion Picture Fundamentals II

Further development of knowledge in aspects of live action motion picture production.

**MPA 303-3** (BC=3)  
(3-0) 15 weeks

### Motion Picture Business/Career Path

An examination of film financing, budgeting, scheduling and distribution. Included is entertainment law and the societal and political context of the Canadian film industry. Students will establish contacts with appropriate unions, agents and develop self-promotional strategies.

**MPA 304-3** (BC=3)  
(3-0) 15 weeks

### Screenwriting Techniques

Provides a practical introduction to appropriate formats and techniques for screenwriting, and includes narrative forms and structure, character and story throughlines. Students will apply their knowledge and skills to short screenwriting projects.

**MPA 305-3** (BC=3)  
(3-0) 15 weeks

### Motion Picture Directing

Director's responsibilities, strategies, and skills including technical aspects of production and analysis of scripts. Knowledge and skills will be used to direct performers and crew in scene work.

**MPA 311-3** (BC=3)  
(3-0) 15 weeks

### Motion Picture Technology

Knowledge and maintenance and operational skills in production and post-production technologies such as analog and digital imaging systems, film/video transfer systems, compositing, etc. Explore emerging production technologies such as motion control.

Prerequisite: MPA 315.

**MPA 312-3** (BC=3)  
(3-0) 15 weeks

### Audition Techniques

Emphasis is on the knowledge, strategies, and skills needed for professional auditions. Students will develop a professional resume, photograph, and industry standard reels/ tapes/DVD.

Prerequisite: MPA 317.

**MPA 315-4** (BC=4)  
(3-3) 15 weeks

### Motion Picture Production I

Skill development in cinematography, camera operation, lighting, editing, sound, and production management. Flexibility and learning skills needed to acquire specialized expertise is emphasized.

**MPA 316-4** (BC=4)  
(3-3) 15 weeks

### Motion Picture Production II

Further development in cinematography, camera operation, lighting, editing, sound and production management.

Prerequisite: MPA 315.

**MPA 317-4** (BC=4)  
(3-3) 15 weeks

### Motion Picture Acting I

Knowledge of terminology, set etiquette, set directions and the roles and functions of other film personnel. Opportunities to practice performance on camera using effective vocal and physical character traits. Emphasis is on developing a confident poise for on camera and audio recording.

**MPA 318-4** (BC=4)  
(3-3) 15 weeks

### Motion Picture Acting II

Emphasis is on advancing knowledge and skills developed in Film Acting I in order to believably perform scenes of emotional intensity. Performance skills for various motion picture media and specific genre requirements will be developed.

Prerequisite: MPA 317.

**MPA 320-4** (BC=4)  
(0-12) 15 weeks

### Motion Picture Projects I

Application of knowledge and skills to initiate, develop and produce media projects from concept to completion. Team skills, integrity, self-confidence, initiative, and professionalism are integral to success.

**MPA 321-4** (BC=4)  
(0-12) 15 weeks

### Motion Picture Projects II

Further application of knowledge and skills to develop media projects from concept to completion. Team skills, integrity, self-confidence, initiative and professionalism are integral to success.

Prerequisite: MPA 320.

**MPA 403-15 (BC=10)****(0-35) 15 weeks****Applied Motion Picture Practicum I**

The first term of a two-term mentored practicum. This involves: 1) The production of a substantial motion picture project (including concept, production, postproduction, marketing and promotion) with access to College equipment and facilities; and/or 2) work experience in the motion picture industry, with a combination of paid work, auditions, workshops, etc. accumulated under the guidance of MPA staff.

Prerequisite: Completion of 3rd year of the MPA program.

**MPA 404-15 (BC=10)****(0-35) 15 weeks****Applied Motion Picture Practicum II**

The second term of a two-term mentored practicum. This involves: 1) The production of a substantial motion picture project (including concept, production, postproduction, marketing and promotion) with access to College equipment and facilities; and/or 2) work experience in the motion picture industry, with a combination of paid work, auditions, workshops, etc. accumulated under the guidance of MPA staff.

Prerequisite: MPA 403.

Please refer to Degree Completion Program Section for Year 4 of the Bachelor of Applied Motion Picture Arts Degree.

## Music

Note: Not all courses listed are offered every semester or every year. Check Course Timetable for availability.

**Performance Ensembles (BC=2)****(2 cr/semester)****(0-3) 15 weeks**

The study and performance of standard and current literature appropriate to the specific vocal or instrumental ensemble. Membership is limited and is by audition. Scheduled public performances are generally a part of each ensemble experience. All ensembles are offered on a corequisite basis only, eg. students must be registered in the same ensemble sequence for both Fall and Winter semesters (eg. 201 Fall/202 Winter), unless special permission is granted by the Department. The first semester is normally prerequisite to the second.

Note: All ensembles are open (by audition) to students from all departments in the college.

Note: \*Check the Alberta Transfer Guide for specific transfer information for MUSE courses marked with an asterisk\*.

**MUSE 201, 202, 301, 302, 351, 352****Symphonic Winds\* I, II, III, IV, V, VI**

A concert band that rehearses and performs wind literature representing traditional and contemporary styles, with priority given to important European and North American stylistic periods. Emphasis is placed on learning musicianship through the stylistic diversity of selected repertoire. The choice of repertoire will also consider the literature available to future educators in the secondary school setting.

Note: Not eligible for challenge.

**MUSE 203, 204, 303, 304, 353, 354****Concert Choir\* I, II, III, IV, V, VI**

A wide range of quality traditional and contemporary choral music is performed in a mixed choir of approximately 40 members. The integration of personal musical development with the principles of group work and the development of blend are important aspects of the course.

Note: Not eligible for challenge.

**MUSE 205, 206, 305, 306, 355, 356****Jazz Ensemble\* I, II, III, IV, V, VI**

A jazz band that rehearses and performs music characteristic of the big band era as well as literature of the modern day jazz ensemble. Students will explore the various styles within this genre and develop improvisational skills required for this idiom.

Note: Not eligible for challenge.

**MUSE 207, 208, 307, 308, 357, 358****Jazz Choir\* I, II, III, IV, V, VI**

This vocal ensemble will help you learn how to perform Jazz, Swing and Popular music in the style appropriate to each.

**MUSE 209, 210, 309, 310, 359, 360****Orchestra\* I, II, III, IV, V, VI**

Selected woodwind, brass, string, and percussion students who are playing at advanced levels may arrange an audition with the conductor of the Red Deer Symphony Orchestra. This is a professional orchestra which draws players from across the province.

Note: Not eligible for challenge.

**MUSE 211, 212, 311, 312, 361, 362****Jazz Combo\* I, II, III, IV, V, VI**

Students work together in small groups to create arrangements of both old and new jazz tunes. Weekly coaching sessions introduce various ideas and exercises to enhance both improvisational ability and an understanding of jazz as a specific style.

Note: Not eligible for challenge.

**MUSE 213, 214, 313, 314, 363, 364****Contemporary Styles I, II, III, IV, V, VI**

Bands are formed within the class and are used as structured lab settings to explore the fundamental elements of important styles such as rock and roll, country, Latin, and alternative.

Note: Not eligible for challenge.

**MUSE 215, 216, 315, 316, 365, 366****Chamber Winds I, II, III, IV, V, VI**

Small group study of literature for wind ensembles. Depending upon the instrumentation, repertoire may incorporate combinations of brass and woodwinds ranging from duo to octet. Performance opportunities for various ensembles are available in the acoustic noon recitals and other performances both on and off campus.

Note: Not eligible for challenge.

**MUSE 217, 218, 317, 318, 367, 368  
Chamber Choir I, II, III, IV, V, VI**

This ensemble is geared towards the experienced singer and will explore advanced choral literature in both traditional and contemporary genres. Enrolment is limited to approximately 16.24 members. Specific goals include gaining experience performing choral music in front of a live audience, building a varied repertoire of music, and learning the principles of group work and integrating these principles with individual skills. Note: Not eligible for challenge.

**MUSE 219, 220, 319, 320, 369, 370  
Chamber Ensemble\* I, II, III, IV, V, VI**

The focus is on the rehearsal and performance of acoustic, classical music for small groups of two to four players or singers. The makeup of the ensemble or ensembles will vary depending on the interests and skills of those enrolled. Note: Not eligible for challenge.

**MUSE 221, 222, 321, 322, 371, 372  
Percussion Ensemble\* I, II, III, IV, V, VI**

Rehearsal and performance of percussion ensemble literature that will be arranged for various combinations of the following instruments: marimba, xylophone, vibraphone, drum set, congas, snare drum, timpani, etc. Prerequisite: Audition. Note: Not eligible for challenge.

**MUSI 194-3 (BC=3)  
(3-0) 15 weeks****Introductory Music Theory I**

For students with little or no formal music theory background who have interest in understanding the rudiments of music notation or who are preparing to enter the Music Diploma program. Designed to give students a basic working knowledge of music reading through the study of pitch and rhythm notation, scales, key and time signatures, intervals, and relevant terminology.

**MUSI 195-2 (BC=2)  
(2-0) 15 weeks****Introductory Aural Skills I**

For students with little or no formal aural skills training who have interest in improving their musicianship or who are preparing to enter the Music Diploma program. Emphasis will be placed on the identification by ear and sight of melodies, rhythms and harmonies. Music dictation and elementary sight-singing will be an integral aspect of the course.

**MUSI 196-3 (BC=3)  
(3-0) 15 weeks****Introductory Music Theory II**

Skills and knowledge gained in MUSI 194 will form the basis for more extensive work in music reading, chord building, and cadence construction. Prerequisite: MUSI 194 or consent of Department Chair.

**MUSI 197-2 (BC=2)  
(2-0) 15 weeks****Introductory Aural Skills II**

Skills and knowledge gained in MUSI 195 will form the basis for more extensive work in melodic and harmonic dictation, interval recognition and sight-singing. Prerequisite: MUSI 195 or consent of Department Chair.

**MUSI 203-3 (BC=3)  
(3-0) 15 weeks****Computer Music Technology**

Practical techniques, theory and applications for computer-based multitrack MIDI sequencing and multitrack digital audio, synthesizers, samplers, sound design, special effects processing, and computer music notation and printing. Survey of applications for live music and theatre performances, as well as music, video and film studios.

Note: This course is for music students as well as musicians who are not in the music diploma program. Department consent is required.

**MUSI 210-6 (BC=6)  
(3-1) 30 weeks****Fundamentals of Music and Method in Education for Non-Music Majors**

A dynamic and practical introduction to music teaching techniques and fundamentals for the student interested in teaching elementary or middle-school aged children. Taught as a survey course and includes introductory keyboard, guitar and various other instruments. Former experience in music is not required.

**MUSI 213-3 (BC=3)  
(3-1) 15 weeks****Fundamentals of Music and Method in Education I**

A dynamic and practical introduction to music teaching techniques and fundamentals for the student interested in teaching elementary or middle-school aged children. Topics include music theory, music appreciation and singing as well as an introduction to the keyboard and recorder.

Correlates with the Alberta Learning Curriculum. Former experience in music is not required. Corequisite: MUSI 213 lab.

**MUSI 214 (BC=3)  
(3-1) 15 weeks****Fundamentals of Music and Method in Education II**

A continuation of MUSI 213 with an added emphasis on lesson planning and music teaching philosophy and techniques including Orff and Kodaly methods. Includes an introduction to the guitar and other classroom instruments. Corequisite: MUSI 214 lab. Prerequisite: MUSI 213.

**MUSI 233-3 (BC=3)  
(3-0) 15 weeks****Introduction to Music History**

A survey of Western Music from Antiquity through the 20th Century. Through lecture, listening, and basic score examination, students will explore the traditions and practices that have culminated in both the art music and popular music idioms which exist today.



**MUSI 241-2 (BC=2)****(2-0) 15 weeks****Basic Piano I**

Piano technique, scales, and keyboard harmony. Emphasis is on developing a repertoire of easy to moderate piano pieces to enhance the keyboard as a useable musical tool.

Prerequisite: Ability to read music and a basic skill in voice or an instrument other than the piano.

**MUSI 242-2 (BC=2)****(2-0) 15 weeks****Basic Piano II**

Skills acquired in MUSI 241 will be refined and expanded. Particular emphasis will be placed on keyboard fluency, fingering, and music reading.

Prerequisite: MUSI 241 or consent of the Department Chair.

**MUSI 257-3 (BC=3)****(3-0) 15 weeks****Comprehensive Music Theory I**

Music rudiments review (scales, intervals, chords, rhythms), non-harmonic tones, cadences, introduction to harmonic progression and voice-leading principles, and melodic construction.

Prerequisite: Successful completion of the Theory Placement Exam or equivalent.

**MUSI 258-3 (BC=3)****(3-0) 15 weeks****Comprehensive Music Theory II**

Harmonic analysis, harmonic progression, and four-part writing techniques for diatonic chords, seventh chords, secondary dominant chords, leading-tone chords, and modulation; binary and ternary musical forms.

Prerequisite: MUSI 257.

**MUSI 259-3 (BC=3)****(3-0) 15 weeks****Comprehensive Aural and Keyboard Skills I**

The aural study of music theory concepts covered in MUSI 257 using sight-singing, dictation, and keyboard harmony.

Prerequisite: Successful completion of the Theory Placement Exam or equivalent.

**MUSI 260-3 (BC=3)****(3-0) 15 weeks****Comprehensive Aural and Keyboard Skills II**

The aural study of music theory concepts covered in MUSI 258 using sight-singing, dictation, and keyboard harmony.

Prerequisite: MUSI 257 and 259.

Prerequisite or Corequisite: MUSI 258.

**MUSI 280-3 (BC=3)****(3-1) 15 weeks****Recording Studio Technology I**

An introduction to the recording studio and to basic recording engineering on a digital audio workstation. Mixing theory, equipment theory and operation, and actual performance toward a finished recording.

Prerequisite: Enrolment in Music Diploma or consent of the Department.

**MUSI 282-3 (BC=3)****(3-0) 15 weeks****Recording Studio Technology II**

MUSI 280 continued. The study of advanced micing and recording techniques, computer audio editing and refinement of skills towards additional projects.

Prerequisite: MUSI 280.

**MUSI 301-3 (BC=3)****(3-0) 15 weeks****History of Classical and Romantic Music**

A performance-lecture survey of the styles, composers, and performers of the Classical and Romantic periods of music history.

Note: Skill in music reading is an asset.

**MUSI 302-3 (BC=3)****(3-0) 15 weeks****History of Post-Romantic and 20th Century Music**

A performance-lecture survey of the styles, composers, and performers of the post-Romantic and 20th century periods of music history.

Note: Skill in music reading is an asset.

**MUSI 303-3 (BC=3)****(3-0) 15 weeks****History of Popular Music**

A survey of the history and evolution of popular music. Topics will include the history of jazz, the roots of rock and roll, the British Invasion, Latin influences, techno, pop music, and urban trends.

**MUSI 304-3 (BC=3)****(3-0) 15 weeks****History of Medieval, Renaissance and Baroque Music**

A performance-lecture survey of the styles, composers, and performers of the Medieval, Renaissance and Baroque periods of music history.

Note: Skill in music reading is an asset.

**MUSI 321-5 (BC=5)****(4-3) 15 weeks****Music Business: Career and Products**

A study of the business of music as it pertains to music products and the retail industry, with emphasis on product areas, marketing and sales. Throughout the practicum portion, the students will participate in "hands-on" approaches to a variety of marketing and production situations. Students will be expected to complete a minimum of 45 practicum hours (20 hours must be in the area of retail music in order to attend the NAMM Show in January).

Prerequisite: 2nd year Music Diploma student or consent of the Department.

**MUSI 322-5 (BC=5)****(4-3) 15 weeks****Music Business: Performance**

A study of the business of music as it pertains to the performing musician, with emphasis on booking, touring, and the recording industry. Throughout the practicum portion, the students will participate in "hands-on" approaches to a variety of marketing and production situations. Students will be expected to complete a minimum of 45 practicum hours (20 hours must be in the area of performance, booking, and/or tours).

Prerequisite: Music Diploma student or consent of the Music Department.

**MUSI 346-3 (BC=3)****(3-0) 15 weeks****Comprehensive Music Theory III**

Review of harmonic progression and voice-leading principles employed in the 17th and 18th centuries; harmonic analysis, harmonic progression, and four-part writing techniques for 19th century music including borrowed chords, Neapolitan 6th chords, augmented 6th chords, and modulation techniques; analysis of major musical forms (sonata, rondo, and theme and variations).

Prerequisite: MUSI 258.

**MUSI 347-3 (BC=3)****(3-0) 15 weeks****Comprehensive Music Theory IV**

Analysis and part writing techniques incorporating extended and chromatic harmonies from the 19th and 20th centuries (9th, 11th, and 13th chords, altered dominants, chromatic mediant, coloristic chords, quartal chords, polychords), and serialism.

Prerequisite: MUSI 346.

**MUSI 348-3 (BC=3)****(3-0) 15 weeks****Comprehensive Aural and Keyboard Skills III**

The aural study of music theory concepts covered in MUSI 346 using sight-singing, dictation, and keyboard harmony.

Prerequisite: MUSI 258 &amp; 260.

Prerequisite or Corequisite: MUSI 346.

**MUSI 349-3 (BC=3)****(3-0) 15 weeks****Comprehensive Aural and Keyboard Skills IV**

The aural study of music theory concepts covered in MUSI 347 using sight-singing, dictation, and keyboard harmony.

Prerequisite: MUSI 346 and 348.

Prerequisite or Corequisite: MUSI 347.

**MUSI 357-3 (BC=3)****(3-0) 15 weeks****Contemporary Theory III**

MUSI 257/258 continued. Third term theory. This course is practical in content, scope, and approach. It is meant to assist the 'working' musician in applying fundamentals.

Prerequisite: MUSI 250 or 258.

**MUSI 358-3 (BC=3)****(3-0) 15 weeks****Contemporary Theory IV**

MUSI 357 continued (fourth term theory).

Prerequisite: MUSI 357.

**MUSI 359-3 (BC=3)****(0-3) 15 weeks****Contemporary Aural Skills III**

Third term aural study of materials in MUSI 357.

Prerequisite: MUSI 250 and 251; or MUSI 258 and 260.

Prerequisite or Corequisite: MUSI 357.

**MUSI 360-3 (BC=3)****(0-3) 15 weeks****Contemporary Aural Skills IV**

Fourth term aural study of materials in MUSI 358.

Prerequisite: MUSI 357 and 359.

Prerequisite or Corequisite: MUSI 358.

**MUSI 361-3 (BC=3)****(3-0) 15 weeks****Composition I**

Development of basic composition skills. Principles of orchestra, band, choral, and popular instrument writing. Concepts and practices of MIDI workstation and computer assisted composition.

Prerequisite: B or better in MUSI 258 and 260.

Note: Not eligible for challenge.

**MUSI 362-3 (BC=3)****(3-0) 15 weeks****Composition II**

Second term study of the MUSI 361 course. Emphasis is on extended compositions and workstation/computer use.

Prerequisite: MUSI 361.

**MUSI 400-3 (BC=3)****(120 hours) Includes 10 hours lecture****Merchandising Practicum II**

The student will be required to intern in a particular area of the Music Industry as it pertains to their individual career focus. Examples of placements may include such things as touring, sales, or private studio teaching. Possible options must be approved by the Merchandising instructor well in advance of the proposed placement.

Prerequisite: MUSI 322 or consent of the Department.

Note: This course will be evaluated using a credit/no-credit grading system.

**MUSI 401-2 (BC=2)****(2-0) 15 weeks****Graduation Recital**

A public recital/concert of at least thirty minutes in length. The program should consist of material studied during the student's time as a Music Diploma student. A combination of solo and ensemble material is acceptable as appropriate to the student's major instrument of study and upon approval of the student's instructor.

Corequisite: MUSP 460.

**MUSP 145-3 (BC=3)****(1-0) 15 weeks****Principal Instrument Study I**

Fifty-five minute weekly private lessons in a principal musical instrument or voice. Emphasis is on technique, style, musicianship, and interpretation, and on developing repertoire and performance experience.

Prerequisite: Open to Music Diploma students by successful performance audition.

Note: Not eligible for challenge.

**MUSP 245-3 (BC=3)****(1-0) 15 weeks****Principal Instrument Study II**

MUSP 145 continued.

Prerequisite: MUSP 145.

Note: Not eligible for challenge.

**MUSP 360-3 (BC=3)****(1-0) 15 weeks****Principal Instrument Study III**

MUSP 245 continued.

Prerequisite: MUSP 245.

Note: Not eligible for challenge.

**MUSP 460-3 (BC=3)****(1-0) 15 weeks****Principal Instrument Study IV**

MUSP 360 continued.

Prerequisite: MUSP 360.

Note: Not eligible for challenge.

**MUSS 145-2 (BC=2)****(1-0) 15 weeks****Secondary Instrument Study**

Forty-five minute weekly private lessons in instrument or voice. Emphasis is on technique and musicianship. May be repeated for credit. Note: MUSS private lessons are open (by audition) to students from all departments in the college.

Note: Not eligible for challenge.

## Nursing

(Open to Nursing students only.)

### **NURS 206-4 (BC=5)**

**(2-0.4-2) 6 clinic hrs total/ 15 weeks**

#### **Foundations for Success in Nursing**

The course develops an understanding of self as a learner in a health professions context. It explores the foundations of professional nursing, relational practice and therapeutic communication. The course promotes reflection on personal perspectives and experiences to understand one's own attitudes, beliefs, and values. It fosters resilience and explores strategies for self-management and growth. Prerequisites: None

Corequisites: NURS 236, NURS 215, NURS 230

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 207-3 (BC=3)**

**(3-0-0) 15 weeks**

#### **Foundations of Nursing I**

The course explores the meanings of health and healing. It highlights the diversity of beliefs, values, and perceptions of health. The course introduces the Canadian Health Care System, conceptual frameworks of health promotion, determinants of health, disease and injury prevention, and primary health care. The focus is on the nurse/client relationship in a relational practice context. Prerequisites: NURS 236, NURS 215, NURS 230 and NURS 206

Corequisites: NURS 208

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 208-4 (BC=5)**

**(2-1-3) 15 clinic hrs total/ 15 weeks**

#### **Health Assessment and Nursing Process**

The focus is on the health assessment of the adult, and expected health assessment findings throughout the lifespan. The course provides a beginning foundation of the nursing process as framework for developing assessment skills and use of clinical technologies necessary for determining client health status and provision of care.

Prerequisites: NURS 236, NURS 215, NURS 230 and NURS 206

Corequisites: NURS 207

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 209-3 (BC=3)**

**(3-0-0) 15 weeks**

#### **Innovation, Systems Thinking & Leadership in Healthcare**

An introduction to the concepts of innovation, health technology, systems thinking and relational leadership in a healthcare context. The course develops the knowledge, skills and values that foster personal capacity for innovation and relational leadership.

Prerequisites: NURS 206

Corequisites: None

Note: A minimum final grade of C is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 211-3 (BC=3)**

**(3-0-0) 15 weeks**

#### **Community Engagement in a Healthcare Context**

An interdisciplinary introduction to community and civic engagement for students in health disciplines. Concepts of social justice, community engagement and health equity are explored in the contexts of vulnerable populations and current healthcare trends and issues.

Prerequisites: None

Corequisites: None

Note: A minimum final grade of C is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 215-3 (BC=3)**

**(3-0) 15 weeks**

#### **Anatomy**

A survey of the structure of the human body.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 230-3 (BC=3)**

**(3-0) 15 weeks**

#### **Human Physiology and Pathophysiology I**

Underlying concepts with a focus on the body systems responsible for communication and control of body functions. Selected topics in pathophysiology related to these systems. Corequisite: NURS 215.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 231-3 (BC=3)**

**(3-0) 15 weeks**

#### **Human Physiology and Pathophysiology II**

Human Physiology with a focus on systems responsible for body maintenance and regulation. Selected topics in pathophysiology related to these systems.

Prerequisite: NURS 206, NURS 215 and NURS 230.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

### **NURS 236-3 (BC=3)**

**(3-0) 15 weeks**

#### **Medical Microbiology**

Medical microbiology concepts for nursing students. Basic information on the identification of micro-organisms and their control, as well as disease principles, epidemiology, and the immune system with consideration to the health care perspective.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

**NURS 239-3 (BC=3)***(3-0-0) 15 weeks***Introduction to Nursing Theory II**

Focuses on health promotion and support to individuals in the pursuit of health throughout their lives. A variety of concepts from nursing and other disciplines will be integrated into the overall learning. Students will be initiated into nursing roles with individuals in community, assisted living, and long-term care settings.

Prerequisites: NURS 227, NURS 231

Corequisites: NURS 240

**NURS 240-6 (BC=7)***(0-14-3) 15 weeks***Introduction to Nursing Practice**

Introduces the student to nursing practice. The emphasis is on practice with individuals in the community as well as in a continuing care (long-term care) setting /assisted living. This practicum takes place with individuals in diverse circumstances.

Prerequisites: NURS 227, NURS 231

Corequisites: NURS 239

**NURS 241-6 (BC=7)***(2-3-0) 15 weeks***Mental Health Nursing Theory**

Focus is on theory related to the promotion of mental health and the nursing care of people with acute and chronic alterations in mental health.

Prerequisites: NURS 239, NURS 240, NURS 308

Corequisites: NURS 242

**NURS 242-6 (BC=7)***(0-16-2) 15 weeks***Mental Health Nursing Practice**

Apply concepts of mental health nursing to the care of individuals experiencing acute and chronic alterations in mental health in hospital or community settings.

Prerequisites: NURS 239, NURS 240, NURS 308

Corequisites: NURS 241

**NURS 301-3 (BC=3)***(3-0) 15 weeks***Nursing Research**

Introduction to the process of research through a comparative analysis of selected studies exemplifying different theoretical, methodological, and analytical approaches. Emphasis is on the communicability of research, the needs of the research consumer, and the development of skills of critical appraisal.

Prerequisite: NURS 304.

Note: A minimum final grade of C is required to receive credit in the Bachelor of Science Nursing program.

**NURS 304-3 (BC=3)***(3-0) 15 weeks***Using and Interpreting Statistics for Nursing Research**

An introduction to reading, understanding and interpreting commonly used statistics in published health sciences research. Provides hands-on approach to understanding measurement, sampling, and common statistical analysis techniques through critical appraisal of results from published health care studies.

Note: A minimum final grade of C is required to receive credit in the Bachelor of Science Nursing program.

**NURS 308-3 (BC=3)***(3-0) 15 weeks***Pharmacotherapeutics**

Foundations of pharmacodynamic and pharmacokinetic principles are introduced. Identification of common drugs, as well as their classification into legal and therapeutic classes, intended action, side effects, and clinical uses, will be discussed. Examples from evidence-based practice will facilitate incorporation of information into nursing practice.

**NURS 351-6 (BC=7)***(2-3-0) 15 weeks***Acute Care Nursing Theory I**

The primary focus is the theoretical foundation for the client-centred care of adults and elderly clients and their families experiencing variations in health (acute and chronic illnesses). Comprehensive assessment and best practice interventions are addressed within the context of a primary health care framework and a nursing model.

Prerequisites: NURS 239, NURS 240, NURS 308

Corequisites: NURS 352

**NURS 352-6 (BC=7)***(0-16-3) 15 weeks***Acute Care Nursing Practice I**

The primary focus is the application of theory in the client-centred care of hospitalised adults and elderly clients and their families experiencing variations in health (acute and chronic illnesses). Practice occurs primarily in primary, secondary and tertiary acute care settings.

Prerequisites: NURS 239, NURS 240, NURS 308

Corequisites: NURS 351

**NURS 353-6 (BC=4)***(2-3-0) 15 weeks***Community Nursing Theory**

Focus is on the philosophical and theoretical domains of nursing individuals, families and groups in the community across the lifespan. Students will also specifically explore theory related to the nursing care of the child-bearing family. Community nursing management and intervention consistent with the principles of primary health care will be explored and fostered.

Prerequisite: NURS 241, NURS 242, NURS 351, NURS 352

Corequisite: NURS 354

**NURS 354-6 (BC=7)****(0-16-2) 15 weeks****Community Nursing Practice**

Students will have the opportunity to apply concepts of community health nursing. Nursing practice will include health assessment and interventions with child-bearing families. Students will develop competence in both family and community assessments, the use of therapeutic communication skills and the planning, implementation and evaluation of community nursing interventions. Prerequisites: NURS 241, NURS 242, NURS 301, NURS 351, NURS 352  
Corequisite: NURS 353

**NURS 355-6 (BC=4)****(2-3-0) 15 weeks****Acute Care Nursing Theory II**

A comprehensive approach to primary health care components in the care of clients in complex situations locally, nationally, and internationally. High acuity health assessments and interventions are introduced. Case management, interdisciplinary collaboration, community development, and socio-political action are emphasized. Prerequisite: NURS 241, NURS 242, NURS 351, NURS 352  
Corequisite: NURS 408

**NURS 356-6 (BC=7)****(0-16-3) 15 weeks****Acute Care Nursing Practice II**

Professional nursing practice focuses on a comprehensive application of primary health care principles to clients experiencing acute variances in health across the lifespan. Practice occurs in primary, secondary, and tertiary level acute care settings. Prerequisite: NURS 241, NURS 242, NURS 351, NURS 352, NURS 301  
Corequisite: NURS 407

**4th Year University of Alberta Degree Completion Nursing Courses (from the University of Alberta Calendar)**

Note: Students are required to complete all 3rd year courses in order to proceed to the 4th year of the program.

**NURS 409-3 (BC=3)****(3-0-0) 15 weeks****Leadership and Issues in Nursing**

Using the primary health care framework, a variety of current professional, social, political and global issues affecting the nursing profession and the Canadian healthcare system will be addressed. Key principles of leadership and management will also be addressed within the context of these issues. Prerequisites: NURS 241, NURS 242, NURS 351, NURS 352, NURS 301

**NURS 420-3 (BC=3)****(0-3-4) 7 weeks****Competency Assessment and Development**

Refine and develop knowledge, skills and abilities required for nursing practice in clinical settings. Promote and practice client and student safety through demonstration of skills, knowledge, attitudes, behaviour and sound decision-making.

**NURS 494-3 (BC=3)****(6-0-3) 4 weeks****Nursing in Context D1**

Synthesis and focus of nursing knowledge and application of nursing research in a specified area of practice. To be permitted to enroll in this course, students must have passed all courses of their nursing program, except the Corequisite NURS 495.

**NURS 495-9 (BC=9)****(1-0-34) 10 weeks****Nursing Practice VIII**

Comprehensive and consolidated approach to professional practice of nursing in an area of special interest to the student. Corequisite: NURS 494.

## Occupational & Physical Therapist Assistant

**OPTA 112-3 (BC=4)****(3-0-2) 15 weeks****Healthcare and Rehabilitation**

An overview of the Canadian Health Care system and how rehabilitation fits within it. Specific emphasis on occupational therapy, physical therapy and the role of the assistant.

**OPTA 114-3 (BC=3)****(3-0-0)****Concepts in Mental Health**

Introduction to mental health and illness from a rehabilitation perspective. Familiarization with characteristics of psychiatric disability, general management of common disorders, service provision and mental health practice through a client-centered approach.

**OPTA 118-3 (BC=3)****(2-0-2) 15 weeks****Functional Anatomy**

Fundamentals of the structure and function of the musculoskeletal system with application to rehabilitation. Prerequisite: INTP 102

**OPTA 122-3 (BC=3)****(3-0-0) 15 weeks****Common Conditions and Function**

An overview of conditions commonly encountered in rehabilitation practice. Prerequisites: INTP 102, OPTA 112

**OPTA 125-3 (BC=5)****(45 lecture, 30 lab)****Rehabilitation Concepts**

An introduction to rehabilitation concepts that are applied across the life span. Health status, wellness, and influencing factors are examined with a concurrent review of health care and the services provided. Includes the basic theories and rationale of therapeutic interventions for treating patients/clients due to musculoskeletal disorders.

**OPTA 130-4 (BC=4)****(180 hours)****Practicum I**

An introduction to the professional rehabilitation environment providing applied experiences in OTA and/or PTA settings.

Prerequisites: OTA 105 or PTA 100, OPTA 122, INTP 105, INTP 102, KNSS 307

**OPTA 202-4 (BC=5)****(45 lecture, 30 lab)****Presenting Conditions II**

Fundamentals of neurological structures focusing on the central and peripheral nervous system with application to a selection of disabling conditions based on broad diagnostic categories and encompassing neurological conditions specific to all populations. Course also includes discussion of the basic concepts of function, health, and disease processes related to these systems.

Prerequisites: OPTA 102, 120.

**OPTA 204-2 (BC=2)****(4-0-0) 7 weeks****Sensation, Perception and Cognition**

An overview of sensory, perceptual and cognitive impairments encountered in rehabilitation practice with a focus on development of therapeutic tools and strategies.

Prerequisites: OPTA 122, KNSS 307, OPTA 114

**OPTA 210-3 (BC=3)****(45 lecture)****Professional Practice**

Ethical issues in rehabilitation are explored. Clinical reasoning is addressed along with an overview of employment preparedness.

Prerequisites: OTA 205, PTA 200, OPTA 230

**OPTA 215-2 (BC=2)****(4-0-0)****Communication Impairment**

A review of communication challenges that inhibit effective communication. Focus is on enhancing communication with people who have speech and language impairment.

**OPTA 220-6 (BC=6)****(60 lecture, 45 lab)****Therapeutic Skills II**

Theory and the application of therapeutic strategies/interventions employed in the rehabilitative treatment of adult patients/ clients with motor and/or sensory impairments resulting from a neurological and/or mental health disorder. Application of a variety of intervention strategies to promote functional independence, occupation performance and active living.

Prerequisites: OPTA 102, 120.

**OPTA 222-3 (BC=3)****(6-0-0) 7 weeks****Advanced Conditions and Function**

An overview of more complex conditions encountered in rehabilitation practice.

Prerequisites: OPTA 122, PN 262

**OPTA 230-4 (BC=4)****(180 hours)****Practicum II**

Further experience in the professional rehabilitation environment providing applied experiences in OTA and/or PTA settings.

Prerequisites: OTA 205 or PTA 200, OPTA 130, PN 262

**OPTA 302-4 (BC=5)****(45 lecture, 30 lab)****Presenting Conditions III**

Fundamental of normal physiological function and disorder. This includes an overview of the endocrine and lymphatic systems, as related to the structure and function of the cardiovascular and respiratory systems and disabling conditions specific to pediatric, adult and geriatric populations.

Prerequisites: OPTA 102, 202.

**OPTA 320-6 (BC=6)****(60 lecture, 45 lab)****Therapeutic Skills III**

Theory and application on how to improve functional abilities and prevent further disability of clients with circulatory, respiratory and endocrine disorders. Includes physiological aspects of the disease processes and its impact on functional performance. Introduction and application of intervention strategies to assist clients to achieve optimal functional independence.

Prerequisites: OPTA 202, 220.

**OPTA 330-4 (BC=4)****(180 hours)****Practicum III**

Application of accumulated knowledge and skills in a variety of rehabilitation environments to further understand and promote their role as an OTA / PTA.

Prerequisites: OPTA 230, OTA 305, PTA 300, OPTA 210

**OTA 105-3 (BC=4)****(2-15-2) 15 weeks****OTA Skills I**

Application of basic occupational therapist assistant skills to enhance client function.

Prerequisites: INTP 102, INTP 104, OPTA 112

**OTA 205-3 (BC=4)****(4-25-4) 7 weeks****OTA Skills II**

Application of intermediate occupational therapist assistant skills to enhance client function.

Prerequisite: OTA 105, INTP 105, OPTA 122

**OTA 305-3 (BC=4)****(4-25-4) 7 weeks****OTA Skills III**

Application of advanced occupational therapist assistant skills to enhance client function.

Prerequisites: OTA xx2, OPA 114, KNSS 307, OPTA 222

**PTA 100-3 (BC=4)****(2-15-2) 15 weeks****PTA Skills I**

Application of basic physical therapist assistant skills to enhance client function and mobility.

Prerequisites: INTP 102, INTP 104, OPTA 112

**PTA 200-3 (BC=4)****(4-25-4) 7 weeks****PTA Skills II**

Application of intermediate physical therapist assistant skills to enhance client function and mobility.

Prerequisites: PTA 100, INTP 105, OPTA 122

**PTA 300-3 (BC=4)****(4-25-4) 7 weeks****PTA Skills III**

Application of advanced physical therapist assistant skills to enhance client function and mobility.

Prerequisite: PTA 200, KNSS 307, OPTA 222

## Pharmacy Technician

(Open to Pharmacy Technician students only.)

### **PHTD 100-3 (BC=3)**

*(3-0-0) 15 weeks*

#### **Professional Role and Ethics**

Examine components and determinants of health, the Canadian health care system, the role of the pharmacy technician and other pharmacy staff members and to explore ethics, decision making, scope of practice, professionalism, and learning practices.

### **PHTD 105-2 (BC=2)**

*(2-0-0) 15 weeks*

#### **Pharmacology Fundamentals**

Explore drug classifications, drug naming, drug mechanism of actions, pharmacological terminology, drug approval process in Canada, routes of administration and dosage forms, toxicology, drug stability and the storage and disposal of pharmaceuticals.

### **PHTD 110-3 (BC=3)**

*(3-0-0) 15 weeks*

#### **Foundations of Pharmacy**

Explore concepts central to pharmacy practice such as interpreting prescription information, pricing, third party billing, pharmacy records, labelling prescriptions, preventing medication errors, using references, inventory management and merchandising.

### **PHTD 115-4 (BC=4)**

*(4-0-0) 15 weeks*

#### **Pharmacy Calculations**

Accurately perform calculations applicable to pharmacy practice.

### **PHTD 120-3 (BC=3)**

*(3-0-0) 15 weeks*

#### **Jurisprudence**

Introduce and apply legislation and standards of practices relevant to pharmacy practice in Alberta.

Prerequisites: PHTD 100, PHTD 105 and PHTD 110.

### **PHTD 125-3 (BC=3)**

*(3-0-0) 15 weeks*

#### **Pharmacotherapeutics I**

Examine conditions and medications used in the treatment of conditions affecting the immune system, nervous system, respiratory system and infections.

Prerequisites: INTP 102, INTP 104, PHTD 100, PHTD 105, PHTD 110.

### **PHTD 130-3 (BC=3)**

*(3-0-0) 15 weeks*

#### **Pharmacy Computer Systems**

Use a pharmacy computer system to input data, process prescriptions and perform other pharmacy related tasks.

Prerequisites: PHTD 100, PHTD 105, PHTD 110, PHTD 115 and must successfully complete keyboard testing prior to Winter term.

Corequisites: PHTD 120.

### **PHTD 135-3 (BC=3)**

*(1-0-4) 15 weeks*

#### **Dispensing I**

Dispense medications in a laboratory setting for a variety of medications, dosage forms and legal classifications.

Prerequisites:- PHTD 100, PHTD 105, PHTD 110, PHTD 115 and INTP 104.

Corequisites: PHTD 120 and PHTD 130.

### **PHTD 140-1 (BC=1)**

*(1-0-0) 15 weeks*

#### **Preparation for Practice**

Assess, reflect and receive formative feedback upon the student's first year performance in the program.

Prerequisites: PHTD 100, PHTD 105, PHTD 110, PHTD 115, PHTD 120, PHTD 125, PHTD 130, PHTD 135, INTP 102, INTP 104 and INTP 105.

Note: This course occurs in the week following winter term final exams and student completes self reflection portion on-line.

### **PHTD 200-3 (BC=4)**

*(3-1-0) 15 weeks*

#### **Non-prescription and Complementary Therapies**

Examine conditions and medications that can be treated/provided over the counter.

Prerequisites: PHTD 140.

### **PHTD 205-2 (BC=2)**

*(1-0-3) 15 weeks*

#### **Non-sterile compounding**

Compound and dispense a variety of non-sterile pharmaceuticals.

Prerequisites: PHTD 140.

### **PHTD 210-4 (BC=4)**

*(2-0-4) 15 weeks*

#### **Aseptic Technique**

Prepare a variety of sterile compounds in a safe and efficient manner using principles of aseptic technique.

Prerequisites: PHTD 200, PHTD 205, PHTD 225, PHTD 235 and INTP 201.

### **PHTD 215-3 (BC=3)**

*(2-0-2) 15 weeks*

#### **Hospital / Institutional Practice**

Discuss the practice of pharmacy in institutional settings and perform tasks required of a pharmacy technician employed in this practice setting.

Prerequisites: PHTD 200, PHTD 205, PHTD 225, PHTD 235 and INTP 201.

### **PHTD 220-1 (BC=1)**

*(1-0-0) 15 weeks*

#### **Community Health Project**

Propose and complete a health promotion project in the community within the pharmacy technician role and evaluate the effectiveness upon completion.

Prerequisites: PHTD 200, PHTD 205, PHTD 225, PHTD 235 and INTP 201.

### **PHTD 225-3 (BC=3)**

*(3-0-0) 15 weeks*

#### **Pharmacotherapeutics II**

Examine conditions and medications used in the treatment of conditions affecting the gastrointestinal, renal, cardiovascular and musculoskeletal system.

Prerequisites: PHTD 140.

### **PHTD 226-3 (BC=3)**

*(3-0-0) 15 weeks*

#### **Pharmacotherapeutics III**

Examine conditions and medications used in the treatment of conditions affecting the endocrine, dermatological, ophthalmic and otic systems as well as cancer treatments and other miscellaneous medications.

Prerequisites: PHTD 225.

**PHTD 231-4 (BC=4)****(160 hours) 4 week block****Community Pharmacy Practicum**

Obtain practical experience within a community (retail) pharmacy as a developing pharmacy technician.

Prerequisites: PHTD 210, PHTD 215, PHTD 220, PHTD 226 and PHTD 240.

**PHTD 232-4 (BC=4)****(160 hours) 4 week block****Hospital Pharmacy Practicum**

Obtain practical experience within a hospital/institutional pharmacy as a developing pharmacy technician.

Prerequisites: PHTD 210, PHTD 215, PHTD 220, PHTD 226 and PHTD 240.

**PHTD 235-4 (BC=4)****(1-0-5) 15 weeks****Dispensing II**

Dispense medications, perform pharmacy related tasks and practice workplace communication skills in a laboratory setting. This course continues to build upon the skills gained in Dispensing I.

Prerequisites: PHTD 140.

Corequisite: PHTD 225.

**PHTD 240-2 (BC=2)****(2-0-0) 15 weeks****Preparation for Practice II**

Prepare and assess student to transition into role of pharmacy technician prior to practicum placements.

Prerequisites: PHTD 200, PHTD 205, PHTD 225, PHTD 235 and INTP 201.

Corequisites: PHTD 210, PHTD 215, PHTD 220, and PHTD 226.

## Philosophy

Note: Not all courses listed may be offered. Check Course Timetable for availability.

Note: 200-level Philosophy courses do not require previous Philosophy. PHIL 201, 202 and 222 are recommended if you intend to major in Philosophy.

Note: There are no prerequisites for 300-level courses (except for PHIL 389). You will find it helpful, however, to take PHIL 202 before taking any 300-level courses. PHIL 201 will provide valuable background for PHIL 339, 340, 348, 355 and 386.

**PHIL 201-3 (BC=3)****(3-0) 15 weeks****Values and Society**

The classical problems of Western philosophy. Studying and discussing selected philosophical classics and contemporary works. Emphasis is on questions of moral and other values, and on the nature of society and justice.

Note: Do not take if you have credit in PHIL 239 or 240.

**PHIL 202-3 (BC=3)****(3-0) 15 weeks****Knowledge and Reality**

The classical problems of Western philosophy. Studying and discussing selected philosophical classics and contemporary works. Emphasis is on questions of the nature and extent of human knowledge, and classic problems about the nature of reality and our place in it.

Note: Do not take if you have credit in PHIL 230 or 240.

**PHIL 221-3 (BC=3)****(3-0) 15 weeks****Practical Logic**

Informal and elementary formal methods and principles used to distinguish correct and incorrect reasoning. Informal fallacies, definitions, and elementary principles of scientific method.

**PHIL 222-3 (BC=3)****(3-0) 15 weeks****Symbolic Logic I**

Basic concepts of logic: consistency, logical truth, entailment, equivalence. Symbolization of natural language inferences using sentential and predicate logic. Formal syntax of sentential and predicate logic. Natural deduction for sentential logic. Introduction to the semantics and metatheory of sentential logic: truth-tables, truth-functional completeness, soundness and completeness of the natural deductive system, compactness.

**PHIL 300-3 (BC=3)****(3-0) 15 weeks****Professional Ethics**

This course is designed to acquaint students with the range of ethical questions and issues that arise for practitioners of various professions. Students will develop their critical and analytical skills in their own arguments designed to appraise and develop good ethical positions on a variety of issues and problems common to many professions, problems like: professional responsibility, the use of codes of ethics in making good ethical decisions, privacy and client confidentiality, professional client-practitioner relationships, issues of public and private ethical responsibility.

**PHIL 301-3 (BC=3)****(3-0) 15 weeks****The Theory of Knowledge**

Epistemology is the study of the origin, nature, methods, and limits of knowledge. Topics: Truth, skepticism, representationalism, and phenomenism. Rational belief and the criteria of knowledge. Theories of justification, including foundationalism and coherentism. Externalist theories, including reliabilism and naturalism. The possibility of a priori knowledge and the justification of induction.



**PHIL 319-3** (BC=3)  
**(3-0-0) 15 weeks**  
**Philosophy of Law**  
 Explore the historical and theoretical foundations of the concepts that ground the Canadian legal system including the foundations of legal authority, the nature of the law, the relationship between law and morality, theories of jurisprudence, theories of statutory interpretation, and theories of punishment, rights, and justice.

**PHIL 321-3** (BC=3)  
**(3-0) 15 weeks**  
**Metaphysics**  
 Topics may include freedom of the will, the mind-body problem, and the nature of time. The character of metaphysical reasoning.

**PHIL 323-3 (BC=3)**  
**(3-0) 15 weeks**  
**Philosophy of Mind**  
 What it means to be a person and have a mind. The relationship of philosophical ideas to scientific studies of mental phenomena. Topics may include: The mind-body relationship, personal identity, memory, imagination, intention, desire, emotion, and sensation.

**PHIL 339-3** (BC=3)  
**(3-0) 15 weeks**  
**Ethics**  
 Questions of right and wrong, good and evil, and reasons for action. The ethical theories of authors such as: Plato, Aristotle, Hobbes, Kant, J.S. Mill, and John Locke.

**PHIL 340-3** (BC=3)  
**(3-0) 15 weeks**  
**Advanced Ethics**  
 Consequentialist versus non-consequentialist views. Meaning and objectivity in morals. Free will and moral responsibility. The ethics of virtue. Contractarian ethics.

**PHIL 341-3** (BC=3)  
**(3-0) 15 weeks**  
**Ancient Philosophy**  
 Ancient Greek philosophy. Examining the one/many problem. Considering pre-Socratic philosophy by studying Pythagoreanism, Heraclitus, Parmenides and Democritus. Examining Socrates through readings of Plato's early dialogues, considering Plato in detail. Emphasis is on the development of Plato's Theory of Forms.

**PHIL 342-3** (BC=3)  
**(3-0) 15 weeks**  
**Aristotle and Hellenistic Philosophy**  
 Studying the works of Aristotle dealing with ontology, epistemology, logic and ethics. Examining some of the leading figures in the schools of Epicureanism and Stoicism. Considering Scepticism as exhibited by Pyrronism and the Academics.

**PHIL 345-3** (BC=3)  
**(3-0) 15 weeks**  
**Descartes to Kant**  
 Early modern philosophy. Examining rationalist and empiricist traditions of the seventeenth and eighteenth centuries. Descartes' so-called "epistemic turn". Identifying and isolating the epistemological problems generated by this epistemic turn. Examining possible solutions (if any) to these problems using works by authors such as Leibniz, Locke, Berkeley, Hume and Kant.

**PHIL 347-3** (BC=3)  
**(3-0) 15 weeks**  
**Kant to Russell**  
 Eighteenth, nineteenth and twentieth century philosophy. Studying and discussing a variety of issues including epistemological, metaphysical, ethical and logical. Considering the theories of authors such as Kant, Fichte, Hegel, J.S. Mill, Sartre, and Russell.

**PHIL 348-3** (BC=3)  
**(3-0) 15 weeks**  
**Philosophy and Women**  
 An introduction to philosophical examination of the concepts, discussions, ethical issues and controversies arising from a consideration of the role and status of women based on the social and political influences from the past and present and the influences of various schools of philosophy and feminist thought.

**PHIL 350-3** (BC=3)  
**(3-0) 15 weeks**  
**Philosophy of Art**  
 This course is designed to acquaint students with various aspects of art criticism, evaluating and critically appraising the claims and arguments found in critical discourse and in philosophical texts elaborating aspects of art criticism. Students should develop sound analytical skills necessary to construct good arguments of their own in which they move beyond the uncritical acceptance of beliefs about the nature of art, the knowledge of art and the judgements of value about art.

**PHIL 355-3** (BC=3)  
**(3-0) 15 weeks**  
**Philosophy of the Environment**  
 Designed to bring traditional and contemporary philosophical theories and methods to bear on issues raised by our relationship to the environment. The ethical, aesthetic, or metaphysical ramifications of certain major environmental problems, such as pollution, overpopulation, or resource exhaustion will be considered.

**PHIL 357-3** (BC=3)  
**(3-0) 15 weeks**  
**Philosophy of Religion**  
 The concept of religion. Arguments for and against the existence of God. Meaning and intelligibility in religious language.

**PHIL 364-3** (BC=3)  
**(3-0) 15 weeks**  
**Philosophy of Science I**  
 The philosophy of natural science. Hypothesis testing. The nature of causation, law, and explanation.

**PHIL 365-3** (BC=3)  
**(3-0) 15 weeks**  
**Philosophy of Science II**  
 The debate over the possibility of objectivity in the social sciences, which began with the work of Max Weber. Positivism. Hermeneutics. Critical theory. Ethnomethodology.

**PHIL 369-3 (BC=3)****(3-0) 15 weeks****Phenomenology and Existentialism**

This course involves the critical examination of some of the major writings of European philosophers to, in part, provide an introduction to the background and main themes of existentialist philosophy and existentialist phenomenology. Authors such as Kierkegaard, Nietzsche, Heidegger and Sartre may be considered.

**PHIL 375-3 (BC=3)****(3-0) 15 weeks****Science and Society**

The intellectual, cultural and social dimensions of science and their implications. Topics may include the impact of the Newtonian revolution, mechanism, materialism and Darwinism, and the nature of objectivity and rationality.

**PHIL 383-3 (BC=3)****3-0-0 (15 weeks)****Philosophy in Film and Literature, and Other Media**

Examine selected philosophical issues, theories, and problems as they find expression in various media such as: literature, film, television programs, video-games, graphic novels, and music.

**PHIL 386-3 (BC=3)****(3-0) 15 weeks****Philosophy and Health Care Issues**

Concepts and issues central to health care knowledge and practice. Rights and responsibilities of patients and health care personnel. Passive and active euthanasia. Abortion. Medical research and experimentation. Disclosure of diagnosis and risks. Death and suffering.

**PHIL 388-3 (BC=3)****(6-0) 7 weeks****Philosophy and Nursing**

This course involves elementary methods and principles for analyzing reasoning in everyday contexts as well as a philosophical examination of concepts and issues central to knowledge and practice in nursing. Note: This course is available only to students registered in the BScN-Collaborative Program.

**PHIL 389-3 (BC=3)****(3-0) 15 weeks****Symbolic Logic II**

Syntactical and semantic aspects of predicate logic and predicate logic with identity: truth-trees and the decision problem; natural deduction; elementary modal theory; soundness and completeness of the natural deduction systems; compactness; the Lowenheim-Skolem theorem; introduction to second-order logic.

Prerequisite: PHIL 222 or consent of the Department.

**PHIL 399-3 (BC=3)****(3-0) 15 weeks****Philosophy and Computing**

Philosophical themes and problems using fifth generation computer technology.

Mainstream topics in philosophy as they apply to modern technological society. Topics are chosen that can be illustrated in a programming language. The focus will be on the philosophical topic, not the computing language. As most of these issues are currently researched using artificial intelligence, we will use PROLOG and/or an expert system shell.

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## Physical Education & Sport Studies

(See Kinesiology & Sport Studies)

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## Physics

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**PHYS 205-3 (BC=4)****(3-3) 15 weeks****Introductory General Physics I**

A non-calculus course in physics. Kinematics, vectors, and forces in equilibrium. Linear and rotational motion. Dynamics of particles (oscillations).

Prerequisites: Math 30-1; Physics 30 strongly recommended.

**PHYS 224-3 (BC=4)****(3-0-3) 15 weeks****Particles and Waves**

Algebra-based course for students in life, environmental, and medical sciences. It guides the student through two distinct types of motion: motion of matter (particles) and wave motion. Vectors, forces, bodies in equilibrium, elasticity and fracture; review of kinematics and basic dynamics; conservation of momentum and energy; circular motion; vibrations; waves in matter; wave optics; sound; black body radiation, photons, de Broglie waves; models of the atom. Examples relevant in environmental, life, and medical sciences will be emphasized.

Prerequisites: Physics 20 or equivalent, Math 30 (Pure). Physics 30 is strongly recommended.

Note: Credit may be obtained for only one of PHYS 205, 224, 241, 244 or ENPH 231. Note: PHYS 224 should be followed by PHYS 226.

**PHYS 226-3 (BC=4)****(3-0-3) 15 weeks****Fluids, Fields, and Radiation**

Fluid statics and dynamics, gases, kinetic interpretation; electrostatics; currents and circuits; magnetic fields; electromagnetic induction; nuclear radiation, its interaction with matter and applications.

Prerequisite: PHYS 205.

Note: Credit may be obtained for only one of PHYS 207, 226, 246, 247 or 269.

**PHYS 241-3 (BC=4)****(3-15-3) 15 weeks****Mechanics**

A calculus-based course in physics in which the kinematic and dynamic properties of particles and bodies in motion are described and quantified through the study of forces, work and energy, momentum, rotation and special relativity.

Prerequisite: Physics 30 and Math 30-1.

Corequisite: MATH 202 (203) or 212.

Note: You can have credit in only one of PHYS 203, 205, 231, or 241.

**PHYS 247-3 (BC=4)****(3-1S-3) 15 weeks****Waves, Optics and Thermal Physics**

Oscillations, simple harmonic motion, waves. Gravitation. Sound. Light, geometrical optics, optical instruments, interference and diffraction. Fluids. Kinetic theory. Heat and thermodynamics.

Prerequisite: PHYS 241 or ENPH 231.

Corequisite: MATH 204 or 213.

Note: You can have credit in only one of PHYS 206, 207, 237, 243, 247, or 269.

**PHYS 269-3 (BC=4)****(3-1S-3/2) 15 weeks****Wave Motion, Optics and Sound**

Geometrical optics, optical instruments. Oscillations, waves, sound, light, interference and diffraction. Simple harmonic motion.

Prerequisites: Physics 30, Math 30-1 and 31.

Corequisites: MATH 202 or 203 or 212.

ENGG 230.

Note: You can have credit in one of PHYS 207, 247, or 269.

Note: For engineering students only.

**PHYS 359-3 (BC=4)****(3-1S-3/2) 15 weeks****Electricity and Magnetism**

Electric charge. Electric potential. Gauss's Law. Capacitance. Electric currents. Electromotive force. DC circuits. Magnetic Field. Ampere's Law. Faraday's Law. AC circuits. Electric and magnetic properties of materials.

Prerequisite: PHYS 241 or ENGG 230, or

PHYS 207 and permission of Department.

Corequisites: MATH 204 or 213. PHYS 247 or 269 or 237.

Note: You can have credit in only one of PHYS 355 and 359.

Note: For engineering students only or the consent of the department.

## Physiology

**PSIO 258-3 (BC=3)****(3-0-0) 15 weeks****Elementary Physiology I**

Essentials of human physiology focusing on systemic functions in the human body with emphasis on systems that respond and adapt to exercise stress. Topics will include the cardiovascular, respiratory, musculoskeletal, nervous and endocrine systems.

Prerequisite/Corequisite: KNSS 200.

Note: For Kinesiology students only.

Note: Successful completion of this course with a minimum C+ AND PSIO 259 with a minimum C+ will satisfy requirements for NURS 230.

**PSIO 259-3 (BC=4)****(3-0-1) 15 weeks****Elementary Physiology II**

Integrative human physiology focusing on functions of the human body with special emphasis on control and integration of these functions. The responses and adaptations to exercise will be used as a foundation upon which the concepts of control and integration will be discussed. Some topics from PSIO 258 will be revisited to discuss control and integration of cellular and systemic function.

Prerequisite: PSIO 258.

Note: For Kinesiology students only.

Note: Successful completion of this course with a minimum C+ AND PSIO 258 with a minimum C+ will satisfy requirements for NURS 230.

**PSIO 262-6 (BC=6)****(3-0), (3-0) 30 weeks****Elementary Physiology**

Physiology of mammals and humans.

Prerequisite: Biology 30; Chem 30.

**PSIO 263-6****(3-0), (3-0) 30 weeks****Human Physiology**

Introductory course in human physiology.

Prerequisites: BIOL 217 or 218; plus 6 credits of university level chemistry.

Note: Credits may be obtained in only one of PSIO 262

## Political Science

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**POLI 200-6 (BC=6)****(3-0) 30 weeks****Introduction to Political Science**

The political institutions, processes, and problems in Canada and other democratic and non-democratic governments. Basic terminology. Classification of political systems. Ideologies. Democratic representation. Constitutions and civil liberties. Federalism. Legislatures, executives, and bureaucracy. Legal adjudication. Public opinion and voting behaviour. Political parties and interest groups. Basic issues in international relations.

Note: This course is required for all majors in Political Science.

**POLI 201-3 (BC=3)****(3-0) 15 weeks****Introduction to Politics**

An introduction to the basic concepts, ideologies, institutions and processes of politics. Not open to students who are taking or have taken POLI 200.

Note: This course is required for all Political Science majors.

**POLI 223-3 (BC=3)****(3-0-0) 15 weeks****Canadian Political Issues**

Selected themes in Canadian politics, such as federalism, and regionalism, the Charter of Rights, issues of diversity and citizenship, and how we are governed. Not open to students who are taking or have taken POLI 200 or POLI 321.

**POLI 283-3 (BC=3)****(3-0) 15 weeks****Issues and Trends in World Politics**

This course deals with major trends in world politics, such as international tensions, migration, ethnic and religious conflict, human rights and sustainable development.

Note: This course is required for all majors in Political Science.

**POLI 308-3 (BC=3)****(3-0) 15 weeks****History of Political Thought I (Plato to Machiavelli)**

Equal to the first half of POLI 310.

Prerequisite: Not open to students in the first year without consent of the Department.

**POLI 309-3 (BC=3)****(3-0) 15 weeks****History of Political Thought II (Hobbes to the Present)**

Equal to the second half of POLI 310.

Prerequisite: Not open to students in the first year without consent of the Department.

**POLI 310-6 (BC=6)****(3-0) 30 weeks****History of Political Thought**

Survey course in Western political philosophy, including notable developments and major political philosophers. Plato, Aristotle, Machiavelli, Hobbes, Rousseau, Marx, and John Stuart Mill.

Prerequisite: Not open to students in the first year without consent of the Department.

Note: This is the core course in political theory and is a prerequisite for most 400 level courses in the field.

**POLI 320-6 (BC=6)****(3-0) 30 weeks****Canadian National Government and Politics**Survey course. Basic concepts and terminology. Political culture. Ideologies and political parties. The social and economic context. Western alienation. Québécois nationalism. The Constitution. Charter of Rights. Federalism. Elections. Parliament, cabinet, bureaucracy. The judiciary. Political participation. Interest groups.  
Prerequisite: Not open to students in the first year without consent of the Department.

Note: This is the core course in Canadian politics and is a prerequisite for most 400 level courses in this field.

Note: You cannot take POLI 320 if you have taken, or are taking, POLI 321.

**POLI 321-3 (BC=3)****(3-0) 15 weeks****Canadian Government**

Designed for students who want one senior course in political science. Survey course in the structure and functions of the federal, provincial, and local governments.

Note: You cannot take POLI 321 if you have taken, or are taking, POLI 320.

**POLI 324-3 (BC=3)****(3-0) 15 weeks****Politics of Health Care**

A comprehensive overview of health care in Canada. The development of the health care system. Legislative and philosophical groundings. Financing and delivery from a comparative perspective. Current stresses in the health care system.

**POLI 328-3 (BC=3)****(3-0) 15 weeks****Elements of Public Administration**

The major institutions, processes, and issues of public administration at the federal level in Canada. Government organization. Budgets. Policy making. Selected personnel issues. Democratic control. Accountability.

**POLI 388-3 (BC=3)****(3-0) 15 weeks****Politics and Global Trade - I**

Democracy; the technological imperative; trade and ethics; international trade regimes and their politics.

Note: admission restricted to senior level students in University Transfer and Business Administration Programs, or by consent of the Department.

**POLI 389-3 (BC=3)****(3-0) 15 weeks****Politics and Global Trade - II**

The state in the global economy; trade facilitation federally and provincially; introduction to area studies.

Note: Admission restricted to senior level students in University Transfer and Business Administration Programs, or by consent of the Department.

## Practical Nurse

**PN 251-1 (BC=1)****(2-0-0) 7 weeks****Professional Leadership**

Frame the Practical Nursing profession in the context of legislation, professional standards, code of ethics, and practice expectations.

Explore the history of nursing and the evolution of Practical Nursing within the Canadian health care system. Introduce the philosophy and the elements of the Red Deer College PN Conceptual Framework.

**PN 252-3 (BC=4)****(2-0-2.5) 15 weeks****Nursing Foundations I**

Introduce the nursing principles fundamental to safe, competent practice. Explore holistic care concepts. Use evidence based theory to demonstrate nursing knowledge and skills. Reflect on own attitudes, behaviours and judgments to guide learning interactions.

**PN 253-2 (BC=2)****(2-0-0) 15 weeks****Health Promotion I**

Introduce concepts of health including prevention, promotion, determinants and inequalities. Begin exploration of common growth and development theories. Identify principles of teaching and learning.

**PN 254-1 (BC=1)****(2-0-0) 7 weeks****Pharmacology I**

Introduce common pharmacological terminology and resources. Explore guiding legislation, drug standards and safety principles. Identify the PN role in medication administration. Develop skills in drug calculations.

**PN 257-1 (BC=1)****(0-0-7.5/2) 10 weeks****Practical Experience I: Healthy Adults**

Integrate and apply the knowledge, skills, and professional attributes achieved through the learning from previous courses to an experiential setting. The experience will focus on interacting with a healthy adult.

Corequisites: PN 251, 252, 253, 254, INTP 102, 201.

**PN 258-2 (BC=2)****(4-0-0) 7 weeks****Professional Leadership II**

Examine and explain influences on professional practice within interprofessional teams and diverse health care settings. Through knowledge, self-reflection and effective communication, the health care professional will develop professional roles and responsibilities in the provision of safe, ethical client care. Leadership knowledge, skills, attitudes and behaviors will be introduced.

Prerequisites: PN 251, INTN 104.

**PN 259-5 (BC=5)****(4-0-2) 14 weeks****Nursing Foundations II**

Integrate and build on foundational knowledge, skills, attitudes, behaviors and judgments. Develop competent and safe nursing care for clients who live in residential care. Common health and wellness challenges, as well as chronic health challenges related to aging will be introduced.

Prerequisites: PN 252.

Corequisites: PN 261, NURS 231

**PN 260-2 (BC=2)****(4-0-0) 7 weeks****Health Promotion II**

Explore how persons living in residential care adapt to alterations in health. Explore health promotion principles and apply principles of teaching and learning. Growth and development theories of gerontology, mental health and palliative care will be introduced.

Prerequisite: PN 253.

**PN 261-2 (BC-2)****(2-0-1) 14 weeks****Pharmacology II**

Integrate and demonstrate the safe preparation and administration of medication, by various routes using the nursing process. Accurate medication calculations will be demonstrated. Gerontology considerations will be explored.

Prerequisites: PN 254.

Corequisite: PN 259.

**PN 262-3 (BC=3)****(6-0-0) 7 weeks****Pathophysiology**

Explore common body responses to disease. Introduce microbiology concepts. Pathophysiology as related to chronic disorders commonly associated with adults and aging will be examined.

Prerequisites: INTN 201.

**PN 263-4 (BC=4)****(0-0-35) 5 weeks (175 clinical hours)****Practical Experience II: Residential Care**

Introduce nursing practice and care in residential care settings.

Prerequisites: PN 258, 259, 260, 261, PN 262.

**PN 265-5 (BC=6)****(8.5-0-5.5) 7 weeks****Nursing Foundations III**

Develop the skills, knowledge, attitudes, behaviors and judgments necessary for a Practical Nurse to competently and professionally practice in the acute care setting.

Prerequisites: PN 263.

Corequisites: PN 267.

**PN 266-3 (BC=3)****(6-0-0) 7 weeks****Health Promotion III**

Evaluate growth, development, and tasks of young and middle adulthood. Apply teaching and learning principles to health promotion collaborating with clients and families in the acute care health setting.

Prerequisite: PN 260.

**PN 267-1 (BC=2)****(2.5-0-2.5)****Pharmacology III**

Analyze knowledge, theory, legal and ethical responsibilities informing Practical Nurse practice in the safe administration, maintenance, and evaluation of Intravenous medications and solutions promoting optimal client outcomes.

Prerequisites: PN 263.

Corequisite PN 265.

**PN 268-6 (BC=6)****(0-0-35) 7 weeks (245 clinical hours)****Practical Experience III: Acute Care**

Examine professional knowledge, accountability, safety, collaboration, and competence in own nursing practice to provide ethical nursing care of diverse clients and families in acute care, health settings.

Prerequisites: PN 264, 265, 266, 267.

**PN 269-1 (BC=1)****(2-0-0) 7 weeks****Professional Leadership IV**

Develop and apply leadership skills using an inter-professional approach. Prepare for the transition from student to Licensed Practical Nurse.

Prerequisites: PN 268.

**PN 270-5 (BC=6)****(10-0-2) 7 weeks****Nursing Foundations IV**

Explore the knowledge, skills, attitudes, behaviors, and judgments necessary to competently provide safe nursing care for pediatric and maternity clients and families in acute and community care settings.

Explore health and wellness challenges for pediatric and maternity clients.

Prerequisites: PN 268.

**PN 271-3 (BC=3)****(6-0-0) 7 weeks****Health Promotion IV**

Explore the Practical Nurse role related to the interrelationship between individuals, family, and the community. Health considerations for maternal/child, pediatrics, and families will be explored. Normal growth and development from conception to adolescence will be addressed, as will family and community roles and functions.

Prerequisites: PN 266.

**PN 272-1 (BC=1)****(0-0-5) 7 weeks (35 clinical hours)****Practical Experience IV: Family Centered Care**

Application of the principles of health promotion and family centered care across the lifespan in family and community contexts.

Prerequisites: PN 268.

Corequisites: PN 269, 270, 271.

**PN 275-6 (BC=6)**  
*(0-0-31) 246 hours in 8 weeks*  
**Practical Experience V: Comprehensive Practicum**  
 Demonstrate integration and consolidation of knowledge, skills, attitudes, behaviors, and judgments consistent with the LPN scope of practice within the context of a comprehensive practice setting.  
 Prerequisites: PN 269, 270, 271, 272

## Production

**PROD 100-2 (BC=2)**  
*(1-0-2) 15 Weeks*  
**Production Fundamentals I**  
 A broad overview for a basic understanding of production elements in entertainment. Exploration and practice of safety and functionality of production fundamentals. Introduction to film and theatre equipment, lights, sound and production design.

**PROD 101-2 (BC=2)**  
*(1-0-2) 15 Weeks*  
**Production Fundamentals II**  
 A broad overview for a basic understanding of production elements in entertainment. Exploration and practice of safety and functionality of production fundamentals. Assembling and operation of lighting, sound, electric and production design equipment.  
 Prerequisite: PROD 100.

**PROD 103-3 (BC=3)**  
*(2-0-3) 15 Weeks*  
**Film Production I**  
 Identification of film fundamentals in live action motion picture production. Includes development of basic competence towards all areas of production. Practice of industry etiquette and communication.

**PROD 105-3 (BC=3)**  
*(2-0-3) 15 Weeks*  
**Production Safety**  
 Gain an understanding of live production safety elements and attain selected industry approved certifications.

**PROD 203-3 (BC=3)**  
*(2-0-3) 15 Weeks*  
**Film Production II**  
 Introduces current practice in professional film production including knowledge and skill development in cinematography, sound, editing and production management.  
 Prerequisite: PROD 103.

**PROD 204-3 (BC=3)**  
*(2-0-3) 15 Weeks*  
**Film Production III**  
 Expands on concepts acquired in Film Production II – with further knowledge and skill development in cinematography, sound, editing, and production management.  
 Prerequisite: PROD 203.

**PROD 205-3 (BC=3)**  
*(2-0-3) 15 Weeks*  
**Advanced Cinematography I**  
 Examines the art, craft, techniques and changing technologies of cinematography including lighting, camera movement, and professional crew responsibilities.  
 Corequisite: PROD 204.

**PROD 207-2 (BC=2)**  
*(1-0-2) 15 Weeks*  
**Wardrobe Aesthetics**  
 Examination of various textiles, products, and techniques used for characterization in film, stage and live events. Use of cultural and historical motifs to develop a personal aesthetic.  
 Prerequisite: ART 231 OR ART 241.

**PROD 209-3 (BC=3)**  
*(2-0-2) 15 Weeks*  
**Drafting for the Entertainment Industry**  
 Introduction to technical communication techniques within the entertainment industry. Hand drafting and basic CAD will be addressed.  
 Prerequisite: PROD 101.

**PROD 211-3 (BC=3)**  
*(3-0-0) 15 Weeks*  
**Entertainment Management I**  
 Broad overview and basic understanding of Live Events. Examination of events for cruise ships, concerts, festivals, stage, and corporate events. Insight into primary structures and how they move from conception to completion.  
 Prerequisite: PROD 101.

**PROD 213-4 (BC=4)**  
*(2-0-4)*  
**Stagecraft I: Building and Scenic Painting**  
 Construction of sets and stages for performance and events. Includes elements of scenic painting.  
 Prerequisite: PROD 103.

**PROD 215-2 (BC=3)**  
*(2-0-1) 15 Weeks*  
**Sound for Live Entertainment**  
 From “talking head” presentations to building sound cues. Exploration of various skills and techniques that go into preparing sound for different aspects of live events.  
 Prerequisite: PROD 100 and PROD 101.

**PROD 217-2 (BC=3)**  
*(2-0-1) 15 Weeks*  
**Projection Media I**  
 Examine digital projection and how it is used in the entertainment industry. Explore basic technical and constructive concepts relating to media acquisitions, editing and use.  
 Prerequisite: PROD 100 and PROD 101.

**PROD 219-3 (BC=3)**  
*(2-0-2) 15 Weeks*  
**Lighting and Projections I**  
 Theory and practice in basic electricity, lighting, and projections. Function and operation of professional lighting and projections equipment.  
 Prerequisite: PROD 100 and PROD 101.

**PROD 221-3 (BC=3)**  
*(2-0-2) 15 Weeks*  
**Documentary Fundamentals**  
 Examine the fundamentals of documentary and non-conventional narrative filmmaking. Experiment with basic documentary production concepts and applying knowledge to projects in the field.  
 Prerequisite: CREA 110.

**PROD 300-3 (BC=3)****(1-0-5) 15 Weeks****Film Projects I**

Project based collaboration and community of practice. Application of creative, practical and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.

**PROD 301-3 (BC=3)****(1-0-5) 15 Weeks****Film Projects II**

Project based collaboration and community of practice. Application of creative, practical and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.

**PROD 303-3 (BC=3)****(2-0-3) 15 Weeks****Film Production IV**

Examines more advanced practice in professional film production with a focus on industry operations and postproduction skills. Skill development in cinematography, camera operation, lighting, editing, sound, and production management. Flexibility and learning skills needed to acquire specialized expertise are emphasized. Prerequisite: PROD 204.

**PROD 304-3 (BC=3)****(2-0-3) 15 Weeks****Film Production V**

Examines more advanced practice in professional film production with a focus on industry operations and postproduction skills. Skill development in cinematography, camera operation, lighting, editing, sound, and production management. Flexibility and learning skills needed to acquire specialized expertise are emphasized. Builds on skills previously learned in film production. Prerequisite: PROD 303.

**PROD 305-3 (BC=3)****(2-0-3) 15 Weeks****Advanced Cinematography II**

Expands on current and emerging cinematography practice including visual effects, 3D stereography, and aerial photography. Prerequisite: PROD 205.

**PROD 307-3 (BC=3)****(3-0-0) 15 Weeks****Business for Film Production**

Examines film financing, budgeting, scheduling, and distribution. Includes entertainment law and the societal and political context of the Canadian screen industry. Prerequisite: FTLE 215.

**PROD 309-3 (BC=3)****(1-0-5) 15 Weeks****Stage Projects I**

Project based collaboration and community of practice. Application of creative, practical, and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.

**PROD 310-3 (BC=3)****(1-0-5) 15 Weeks****Stage Projects II**

Project based collaboration and community of practice. Application of creative, practical, and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.

**PROD 311-2 (BC=3)****(2-0-1) 15 Weeks****Entertainment Management II**

Focuses on the integration of the elements of an event from process to a finished product. Practice application of techniques, information, and protocols from previous knowledge in an event and classroom setting. Prerequisite: PROD 211.

**PROD 313-3 (BC=3)****(2-0-4) 15 Weeks****Stagecraft II: Building and Scenic Painting**

Construction of sets and stages for performance and events. Includes 2D and 3D staging materials. Includes transfer techniques from small to large scale. Prerequisite: PROD 213.

**PROD 315-3 (BC=3)****(3-0-0) 15 Weeks****Screenwriting**

Provides a practical application with appropriate formats and techniques for screenwriting. Includes narrative forms and structure, character and story throughlines, as it relates to film, television, and related areas. Students will apply their knowledge and skills to short screenwriting projects. Prerequisite: FTLE 210.

**PROD 317-3 (BC=3)****(2-0-2) 15 Weeks****Projection Media II**

Continued exploration in creating and editing content of digital media for projection. Practice implementing projection media in the context of the entertainment industry. Prerequisite: PROD 217.

**PROD 319-2 (BC=3)****(1-0-2) 15 Weeks****Lighting and Projections II**

Experiment, practice, and explore intermediate concepts and applications in lighting and projections. Complex image manipulation methods, colors, textures, lighting and projection equipment. Prerequisite: PROD 219.

**PROD 321-3 (BC=3)****(1-0-4) 15 Weeks****Event Production I**

Application of skills in event production including stage, studio, music, film, and other. Student will be assigned to specific roles/responsibilities in accordance with skillset, ability, and leadership. Prerequisite: FTLE 220.

**PROD 322-3 (BC=3)****(1-0-4) 15 Weeks****Event Production II**

Application of skills in event production including stage, studio, music, film, and other. Student will be assigned to specific roles/responsibilities in accordance with skillset, ability, and leadership.

Prerequisite: FTLE 220.

**PROD 325-3 (BC=3)****(2-0-3) 15 Weeks****Post Production II**

Expands on current and emerging post production practice including visual effects, 3D Stereography, and colour correction.

Prerequisite: AVFX 209.

**PROD 327-3 (BC=3)****(2-0-3) 15 Weeks****CAD and 3D Modeling**

Explore a variety of techniques and materials used in the building of 3D models of setting and stages for the entertainment industry. Includes hand-built and CAD generated model work.

Prerequisite: PROD 209.

**PROD 329-3 (BC=3)****(2-0-2) 15 Weeks****Design for the Entertainment Industry**

The examination of how visual design techniques are used for the Entertainment Industry. Emphasis will be on the processes of research, concept development, and communication.

Prerequisite: ART 231 or ART 241.

**PROD 331-3 (BC=3)****(2-0-3) 15 Weeks****Stagecraft Automation and Rigging**

Examination of simple and complex automation and rigging in staging for entertainment events.

Prerequisite: PROD 313.

**PROD 333-3 (BC=3)****(2-0-2) 15 Weeks****Sound for Live Bands**

Explore different facets that go into setting up a sound system for live music and how to mix live bands, from a bare stage to a full sound set-up. Analyze simple to intermediate live mixing concepts and techniques. Discuss, explore, and play with the behaviour of sound.

**PROD 335-3 (BC=3)****(2-0-3) 15 Weeks****Props Stage and Screen**

The analysis, acquisition, adaptation and construction of scenic props for both stage and screen. Budgeting, script analysis, research, design development. Experimentation with new materials and animatronic effects.

Prerequisite: FTLE 220.

**PROD 337-3 (BC=3)****(0-0-6) 15 Weeks****Productions**

The research, rehearsal, and performance of plays or created work for performance before an audience.

Prerequisite: ACT 203.

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## Psychology

Note: Not all courses listed may be offered. Check Course Timetable for availability.

**PSYC 205-3 (BC=3)****(45 lecture)****Lifespan Development**

Physical, cognitive, social, and personality development from conception to death are explored from a developmental psychological perspective. Theories, research, and applications about lifespan development will be covered.

Note: For OPTA students only. This course does not fulfill the developmental psychology requirement for the BA Psychology Major.

**PSYC 260-3 (BC=3)****(3-0) 15 weeks****Basic Psychological Processes**

Fundamental terminology, procedures, findings, and theories related to basic psychological processes. Topics may include the nature and history of psychology, research methods, biological foundations of behaviour, sensation and perception, states of consciousness, learning, memory, language, and thought.

Note: This course is a prerequisite for most psychology courses and is normally followed by PSYC 261.

**PSYC 261-3 (BC=3)****(3-0) 15 weeks****Social and Individual Behaviour**

Fundamental terminology, procedures, findings, and theories related to individual, social, and abnormal behaviour. Topics may include intelligence, problem solving, creativity, motivation and emotion, lifespan development, personality, psychological disorders and treatments, health, stress and coping, and social behaviour.

Prerequisite: PSYC 260.

Note: PSYC 260/261 is a prerequisite for many courses in the Department.

**PSYC 305-3 (BC=3)****(3-0) 15 weeks****History of Psychological Thought**

The roots of psychological thought in Western culture, and the relationship between theories of human nature and changing social institution.

Prerequisites: PSYC 260/PSYC 261.

**PSYC 313-3 (BC=3)****(3-0-2) 15 weeks****Research Methods**

Examine the research methods commonly used in psychological research.

Note: Credit will not be given for both PSYC 312 and PSYC 313.

Prerequisite: PSYC 260.

Corequisite: PSYC 261.

**PSYC 314-3 (BC=4)****(3-0-2) 15 weeks****Data Analysis**

Explore and practice statistics used in psychological research, with an emphasis on conducting and interpreting inferential statistical techniques.

Note: Credit will not be given for both PSYC 312 and PSYC 314.

Prerequisites: Mathematics 30-1 or 30-2 (or equivalent), and PSYC 260.

Corequisite: PSYC 261)



**PSYC 321-3 (BC=3)****(3-0) 15 weeks****Industrial & Organizational Psychology**

The world of work. Topics include career development, performance, motivation, conditions of work, employee selection and training, and organization.

Prerequisite: PSYC 260/261 or consent of the Department.

**PSYC 341-3 (BC=3)****(3-0-0) 15 weeks****Social Psychology**

Individual and group behaviours as they are affected by social contexts. Topics may include the self and social perception, social cognition; prejudice, discrimination, and stereotyping; attitude formation and change; conformity and obedience; affiliation and attraction; pro- and anti-social behaviours; and applied social psychology topics (law, health).

Prerequisite: PSYC 260/261 or SOCI 260/ 261.

**PSYC 347-3 (BC=3)****(3-0) 15 weeks****Psychology of Gender**

An overview of psychological perspectives on gender including the nature of gender, alternative expressions of gender (e.g. transgenderism), the reproduction of gender through social institutions, the question of gender similarities and differences, gender stereotypes and discrimination, and the implications of gender for various facets of daily living.

Prerequisite: PSYC 260/261.

Note: U of C bound students cannot also take PSYC 439 for credit.

**PSYC 353-3 (BC=3)****(3-0) 15 weeks****Child Development**

An examination of theory and research related to physical, cognitive, emotional and social development across infancy and childhood.

Prerequisite: PSYC 260/261.

**PSYC 355-3 (BC=3)****(3-0) 15 weeks****Adolescence**

An examination of theory and research related to physical, cognitive, emotional, and social development occurring during adolescence.

Prerequisite: PSYC 260/261.

Note: U of C bound students cannot also take PSYC 429 for credit.

**PSYC 357-3 (BC=3)****(3-0-0) 15 weeks****Psychology of Adult Development and Aging**

An examination of theory and research related to physical, cognitive, emotional, and social development across adulthood.

Prerequisite: PSYC 260/261.

**PSYC 358-3 (BC=3)****(3-0-0) 15 weeks****Cognitive Psychology**

A survey course in cognition. Major theoretical approaches and research in areas such as perception, attention, memory, the representation of knowledge, language, reasoning and problem solving.

Prerequisite: PSYC 260/261.

Note: For U of A bound students only, the additional prerequisite or Corequisite of either STATS 251 or PSYC 312 is required.

**PSYC 367-3 (BC=3)****(3-0) 15 weeks****Human Sexual Behaviour**

This course explores and integrates knowledge from many disciplines including medicine, biology, anatomy, psychology, history, law, anthropology, social science, the arts, and religion in describing human sexual behaviour.

Prerequisite: PSYC 260/261.

**PSYC 368-3 (BC=3)****(3-0-0) 15 weeks****Principles of Learning**

Traditional and modern research on classical conditioning, operant conditioning, and memory. Emphasis is on research dealing with non-human animals, but human applications are included where relevant.

Prerequisite: PSYC 260/261.

**PSYC 369-3 (BC=3)****(3-0-0) 15 weeks****Sensation and Perception**

The psychological and physiological bases of sensory and perceptual processes, including vision, audition, taste, smell, touch, proprioception, and basic psychophysics.

Prerequisite: PSYC 260/261.

Note: For U of A bound students only, the additional prerequisite or Corequisite of either STATS 251 or PSYC 312 is required.

**PSYC 375-3 (BC=3)****(3-0) 15 weeks****Brain and Behaviour**

Examine brain function related to sensation, movement, learning, motivation, thinking, and behavioral systems.

Prerequisite: Biology 30 or equivalent and PSYC 260 (Biology 30 required by U of A bound students).

Note: PSYC majors need both PSYC 260 and PSYC 261 and it is strongly recommended that they take them in the first year.

**PSYC 377-3 (BC=3)****(3-0-0) 15 weeks****Human Neuropsychology**

Changes in mood, motivation, perception, attention, memory, and language as revealed by studies of structural alterations in the human brain.

Prerequisite: PSYC 375.

**PSYC 380-3 (BC=3)****(3-0) 15 weeks****Positive Psychology**

Positive psychology is the scientific and applied approach to uncovering strengths and promoting positive functioning in individuals, relationships, institutions, and communities. Topics include positive thinking, positive emotions, flourishing relationships, positive institutions, gainful employment, and building better communities.

Prerequisites: PSYC 260/261.

**PSYC 383-3 (BC=3)****(3-0) 15 weeks****Personality**

Survey course including theory and research related to the major problems in the study of personality.

Prerequisite: PSYC 260/261.

**PSYC 389-3 (BC=3)****(3-0) 15 weeks****Abnormal Psychology**

General introduction, with emphasis on contemporary views of the nature, development, and treatment of psychological disorders.

Prerequisite: PSYC 260/261.

Note: Students cannot get credit for PSYC 389 and 489.

**PSYC 391-3 (BC=3)****(3-0-0) 15 weeks****Health Psychology**

Examining the relationship of psychology to illness and related dysfunction, promotion and maintenance of health, and the health system. Prerequisite: PSYC 260/261.

## Social Work

(Open to Social Work students only.)

**SOWK 201-3 (BC=3)****(3-0-0) 15 weeks****Social Work Practice I**

Introduction to helping relationships including the use of communication and counselling skills for ethical and anti-oppressive social work practice. Corequisite: SOWK 204, SOWK 214.

**SOWK 202-3 (BC=3)****(3-0-0) 15 weeks****Social Work Practice II**

Develop assessment and intervention strategies for working with individuals in social work practice. Examine change through the lens of developing a working alliance, and reflect on use of self, and effective use of skills.

**SOWK 204-3 (BC=3)****(3-0-0) 15 weeks****Ethics in Social Work Practice**

Explore ethical principles, codes, and frameworks for decision-making in social work practice. Reflect on the interaction of personal and professional values.

**SOWK 207-3 (BC=3)****(3-0-0) 15 weeks****Introduction to Social Welfare**

Introduction to the history of social welfare and social services with a focus on Canada. Explores role of social work in colonization; explores populations involved with service delivery systems; reflects on personal views; explores marginalization, oppression, social justice, and human rights.

**SOWK 209-4 (BC=5)****(240 hours)****Field Work I**

Application of in-class learning to a fieldwork setting, including building professional relationships and ethical conduct in a social work setting. Prerequisite: SOWK 212. Prerequisite or corequisite: SOWK 202.

**SOWK 212-1 (BC=1)****(0-3-0) 15 weeks****Preparation for Practice**

Focus on professional practice in service delivery settings. Prerequisite or corequisite: SOWK 201, SOWK 204, SOWK 214.

**SOWK 214-3 (BC=3)****(3-0-0) 15 weeks****Reconciliation through Social Work**

Introduces the impact of colonization on Indigenous and non-Indigenous Canadians from a Social Work perspective. Focus is on reconciliation in preparation for practice.

**SOWK 301-3 (BC=3)****(3-0-0) 15 weeks****Social Work Practice with Families**

Examine social work practice with diverse family forms across their lifespan. Expand upon strategies for interviewing, assessment, and intervention. Prerequisite: SOWK 202.

**SOWK 304-3 (BC=3)****(3-0-0) 15 weeks****Social Work Practice with Groups and Communities**

Examine theories and models of group work and community organization with contextual applications. Evaluate self as a group member, leader, and community organizer. Prerequisite: SOWK 202.

**SOWK 306-3 (BC=3)****(3-0-0) 15 weeks****Leadership in Social Work**

Examine effective leadership and management through a social work lens. Apply leadership and management theories to social services delivery and to programs and program evaluation. Prerequisites: SOWK 202, SOWK 207.

**SOWK 307-3 (BC=3)****(3-0-0) 15 weeks****Social Policy**

Examine the function of social policy in social work practice and service delivery, including development, influences, analysis of needs and gaps, and strategies for promoting change. Prerequisites: SOWK 207, SOWK 214.

**SOWK 308-4 (BC=5)****(240 hours)****Field Work II**

Demonstrate social work skills in supervised field setting while employing self-care and reflective practice. Prerequisite or Corequisite: Successful completion of all first year SOWK courses and SOWK 301 or permission of the Department.

**SOWK 309-4 (BC=5)****(240 hours)****Field Work III**

Practice social work in supervised field work setting. Demonstrate professional knowledge, skills, and ethics, and the contribution to one's practice framework. Prerequisite: SOWK 308.

**SOWK 312-3 (BC=3)****(3-0-0) 15 weeks****Current Trends and Issues in Social Work**

Explore current trends and issues in social work practice and how they relate to social issues. Examine selected trauma issues relevant in Canadian society using a structural anti-oppressive framework. Develop critical consciousness to support practice with clients in a variety of settings and contexts. Prerequisites: SOWK 307, SOWK 304, SOWK 315. Note: Not eligible for challenge and Advanced Standing.

**SOWK 315-3 (BC=3)****(3-0-0) 15 weeks****Social Work Research**

Examine Social Work research methodologies and their application in practice. Prerequisites: SOWK 307, SOWK 304 or permission of the department.

## Sociology

Note: Not all courses listed may be offered. Check Course Timetable for availability.

### **SOCI 260-3 (BC=3)** **(3-0) 15 weeks**

#### **Sociological Concepts & Perspectives**

Sociological perspectives and concepts used to analyse social behaviour. The nature of group behaviour and social interaction. Culture, social organization, the social personality, and deviance.

Note: SOCI 260 is the prerequisite for most advanced courses.

### **SOCI 261-3 (BC=3)** **(3-0) 15 weeks**

#### **Canadian Society**

Examines the structure and functioning of Canadian society, including political, economic, cultural and value structures and processes.

Prerequisite: SOCI 260.

### **SOCI 301-3 (BC=3)** **(3-0) 15 weeks**

#### **Sociology of Gender and Sexuality**

Comparing gender and sex roles in different societies. Emphasis is on contemporary Canada. Gender and sex role behaviour and theories of their origin. Recent research on the social effects of gender and sex roles.

Prerequisite: SOCI 260 or consent of department.

### **SOCI 305-3 (BC=3)** **(3-0) 15 weeks**

#### **Selected Topics in Sociology**

Examination of selected topics in contemporary sociology. Topics may focus on specific sociological issues, institutions or problems (such as culture and society, development, sport, rural studies).

Prerequisite: SOCI 260 or consent of the department.

Note: This course may be repeated for credit.

### **SOCI 307-3 (BC=3)** **(3-0) 15 weeks**

#### **Aboriginals in Canada**

Dynamics of Aboriginal groups' relations with each other and with the larger Canadian society. Topics may include: decolonization and relations with the state, demography, organizations, nationalism, and nation-building, power, community and economic development, social class and public policy.

Prerequisite: SOCI 260 or consent of the department.

### **SOCI 310-3 (BC=4)** **(3-3) 15 weeks**

#### **Introduction to Social Statistics**

Statistical reasoning and techniques used by sociologists to summarize data and test hypotheses. Topics include describing distributions, cross-tabulations, probability, correlation/regression and non-parametric tests.

Prerequisite: SOCI 260 or consent of the department.

Note: This course may not be taken for credit by students with credit in SOCI 311-6.

### **SOCI 312-3 (BC=4)** **(3-3) 15 weeks**

#### **Introduction to Social Methodology**

Research design, data collection, and data processing strategies used by sociologists. Topics include research values and ethics, scaling, reliability and validity, experimentation, survey research techniques, historical methods, field research, and content analysis.

Prerequisite: SOCI 260 or consent of the department.

Note: This course may not be taken for credit by students with credit in SOCI 311-6.

### **SOCI 315-3 (BC=4)** **(3-3) 15 weeks**

#### **Introductory Social Statistics II**

Expand training in quantitative methods employed extensively in the social sciences in general and sociology in particular.

Examines bivariate ordinary least squares (OLS) regression, multivariate regression techniques, non-linear relationships, interaction analysis, and logistic regression. Prerequisite: SOCI 310.

### **SOCI 322-3 (BC=3)** **(3-0) 15 weeks**

#### **Social Issues in Canada**

A survey course on social issues in Canada. Regional and national scope will be covered in such areas as health, safety, the economy, the environment, community belonging, integration of newcomers and education.

Prerequisite: SOCI 310 or SOCI 312 or consent of the department.

Note: You cannot receive credit for SOCI 322 if you have previously taken ANTH 357.

### **SOCI 323-3 (BC=3)** **(3-0) 15 weeks**

#### **Sociology of Poverty**

Meaning, origins, extent, and effects of poverty. Focus is on Canadian society. Reviewing theoretical explanations of poverty. The relationships between poverty and social institutions such as education, health care, housing, criminal justice, and the political order. Reviewing and evaluating various poverty programs.

Prerequisite: SOCI 260 or consent of the Department.

### **SOCI 325-3 (BC=3)** **(3-0) 15 weeks**

#### **Criminology**

Discuss criminal behavior from a sociological perspective. Apply theoretical explanations to various types of criminal behavior and assess strategies for prevention. Describe various measures of criminality and victimization.

Prerequisite: SOCI 260.

### **SOCI 327-3 (BC=3)** **(3-0) 15 weeks**

#### **Criminal Justice and Crime Control**

Examine social responses to crime in relation to specific crime issues. Consider how crime control strategies are developed and executed. Consider how various stages of justice system function together. Examine changing directions of crime control.

Evaluation of formal and informal crime control responses.

Prerequisite: SOCI 325.

**SOCI 332-3 (BC=3)***(3-0) 15 weeks***The Development of Sociology I**

The origin and development of classical sociological theory. Emphasis is on the Enlightenment, Romantic-Conservative Reaction, Saint-Simon, Comte, Marx, Durkheim, Weber, and Freud.

Prerequisite: SOCI 260 or consent of the Department.

**SOCI 333-3 (BC=3)***(3-0) 15 weeks***The Development of Sociology II**

The contributions of modern and contemporary sociological theorists. Emphasis is on Structural Functionalism, Symbolic Interactionism, Ethnomethodology, Contemporary Feminist Theory, Neo-Marxism and Critical Theory, and Post-Structuralism and Post-Modernism.

Prerequisite: SOCI 332.

**SOCI 341-3 (BC=3)***(3-0) 15 weeks***Social Psychology**

Note: This course is not currently offered. If you wish to take Social Psychology, register for PSYC 341 (3-0), which carries an identical program credit at the University of Alberta. Prerequisite: SOCI 260/261 or PSYC 260/261.

**SOCI 344-3 (BC=3)***(3-0) 15 weeks***Mass Communication and Popular Culture**

An analysis of the varieties of mass media such as radio, television, film and books and their effects on popular culture.

Prerequisite: SOCI 260 or consent of the Department.

**SOCI 363-3 (BC=3)***(3-0) 15 weeks***Sociology of Work**

The social relations of production and the organization of work in advanced industrialized countries. Focus is on Canadian society. Topics include: values and meanings attached to work; work and leisure; the union phenomenon; alienation from work; professionalism; the hierarchical nature of the workplace; the impact of technological development on the labour process; and the role of the government in labour relations.

Prerequisite: SOCI 260 or consent of the Department.

**SOCI 365-3 (BC=3)***(3-0) 15 weeks***Social Stratification**

An introduction to the sociological study of social stratification and structured inequality with a focus on Canadian society. Topics include different systems of stratification, various theoretical approaches to stratification, class and social inequality, contemporary perspectives and research, socio-economic, gender, ethnic and racial bases of social inequality.

Prerequisite: SOCI 260 or consent of the department.

**SOCI 368-3 (BC=3)***(3-0) 15 weeks***Canadian Ethnic and Minority Group Relations**

Canada is a tremendously diverse country encompassing many ethnic and minority groups. Social processes involved in developing and understanding minority group relations in Canada will be the central focus for this course. The three main concentrations will be on French/English relationships, Aboriginal issues, and challenges relating to all the other groups that have come to Canada.

Prerequisite: SOCI 260 or consent of the Department.

**SOCI 371-3 (BC=3)***(3-0) 15 weeks***Sociology of the Family**

The nature of the family in contemporary North American society. Family interaction patterns and how these are related to the many changes in the modern family.

Prerequisite: SOCI 260 or consent of the Department.

**SOCI 373-3 (BC=3)***(3-0) 15 weeks***Sociology of Aging**

Aging as a socio-cultural phenomenon with a focus on social and institutional factors associated with aging in modern society. Topics include aging and the self-concept; family; politics; economics and work; demographics; health and health care; housing and transportation; retirement and leisure; death and dying; various comparative, theoretical and historical perspectives, with a focus on Canadian society.

Prerequisite: SOCI 260 or consent of the department.

**SOCI 374-3 (BC=3)***(3-0) 15 weeks***Social Organization of Health Care**

An introduction to the sociological study of the structure and dynamics of health care in Canadian society. Topics include: trends in health care, social epidemiology, health and illness behaviour, professional-client relationships, health care occupations, and the sociology of hospitals.

Prerequisite: SOCI 260 or consent of the Department.

**SOCI 376-3 (BC=3)***(3-0) 15 weeks***Sociology of Religion**

General theory plus selected topics. The nature and origins of religion. Religion as an expression of historical, social, and personal conditions. Religion and social change. Religion and individual and social variations. Social functions of religion. Emphasis is on religion in western society, and Canada in particular.

Prerequisite: SOCI 260 or consent of the Department.

**SOCI 395-3 (BC=3)***(3-0) 15 weeks***Sociology of Leisure**

A sociological analysis of the nature and forms of leisure. Topics include historical and contemporary perspectives, trends and issues in leisure participation in postindustrial society, leisure provision, programs and research, the future of leisure. Emphasis will be on leisure in Canadian society.

Prerequisite: SOCI 260 or consent of the department.

## Spanish

Note: 100-level language courses are intended for students with little or no background in the language. Students who have high school matriculation in the language, or who are taking a 100-level course to meet a university's matriculation requirements, may be denied transfer credit. Check the Transfer Guide and with the university.

### **SPAN 101-3 (BC=4)**

**(4-1) 15 weeks**

#### **Beginners' Spanish I**

Beginning to learn Spanish. Understanding, speaking, reading and writing. The oral aspect of the language is stressed in class.

### **SPAN 102-3 (BC=4)**

**(4-1) 15 weeks**

#### **Beginners' Spanish II**

For students who have taken SPAN 101. The oral aspect of the language is stressed in class.

Prerequisite: SPAN 101 or equivalent.

### **SPAN 201-3 (BC=4)**

**(4-1) 15 weeks**

#### **Intermediate Spanish I**

Spoken and written Spanish, including grammar, composition, literature and conversation. The literature includes works of modern authors.

Prerequisite: Spanish 30 or SPAN 102 or equivalent.

### **SPAN 202-3 (BC=4)**

**(4-1) 15 weeks**

#### **Intermediate Spanish II**

The continuation of SPAN 201. Spoken and written Spanish, including grammar, composition, literature and conversation. The literature includes works of modern authors.

Prerequisite: SPAN 201 or equivalent.

## Statistics

Note: Not all courses listed may be offered. Check Course Timetable for availability.

### **STAT 241-3 (BC=3)**

**(3-1) 15 weeks**

#### **Introduction to Statistics**

Elementary statistics. Probability. Descriptive statistics. Sampling distributions. Testing hypotheses. Correlation and regression.

Prerequisite: Math 30-1.

### **STAT 251-3 (BC=4)**

**(3-0-2) 15 weeks**

#### **Introduction to Applied Statistics I**

Data collection and presentation, descriptive statistics. Probability distributions, sampling distributions and the central limit theorem. Point estimation and hypothesis testing. Correlation and regression analysis. Goodness-of-fit and contingency table.

Prerequisite: Math 30-1 or Math 30-2

Note: This course may not be taken for credit if credit has already been obtained in any of STAT 241, PSYC 314, SOCI 310, or BUS 306.

Note: Successful completion of this course with a minimum C+ will satisfy requirements for NURS 304.

### **STAT 365-3 (BC=3)**

**(3-0) 15 weeks**

#### **Elements of Probability Theory**

Finite probability spaces. Discrete and continuous random variables. Random vectors. Probability density functions and their corresponding distributions, including uniform, binomial, geometric, Poisson, exponential, normal, etc.

Prerequisite: MATH 204 or equivalent.

Corequisite: MATH 302.

## Theatre & Entertainment Production

Note: Courses open to Theatre & Entertainment Production students only

### **THTR 105-2 (BC=2)**

**(120 hrs minimum)**

#### **Production Crew I**

This course will be the first introduction of the student to a working knowledge of the technical aspects of entertainment production. Students will apply course instructed learning, including those of stagecraft, drafting, prop building, lighting, sound, and stage management, as well as continued hands-on learning. Students will be assigned to a designated technical area, as well as expected hours of participating in other areas within various productions and events. Students will be assisted by 2nd year students, and instructed by a department technical instructor.

Corequisite: THTR 125 and consent of the Department.

### **THTR 106-2 (BC=2)**

**(120 hrs minimum)**

#### **Production Crew II**

Continued theoretical and practical instruction towards a working knowledge of the technical aspects of entertainment production.

Prerequisite: THTR 105 and consent of the Department.

### **THTR 107-2 (BC=2)**

**(120 hrs minimum)**

#### **Production Crew III**

Continued theoretical and practical instruction towards a working knowledge of the technical aspects of entertainment production. The work may be a new application of practical skills, or be an opportunity to redevelop and strengthen current skills.

Prerequisite: THTR 106 and consent of the Department.

### **THTR 118-3 (BC=3)**

**(48 hrs)**

#### **Scenic Props**

Introduction to the theory and techniques of developing scenic props. Presented in workshop format.

**THTR 125-4** (BC=4)  
*(74 hrs)*  
**Introduction to Stagecraft I**  
Entertainment production techniques including stage and shop safety, scenic carpentry. Strong hands-on component.

**THTR 126-3** (BC=3)  
*(48 hrs)*  
**Stagecraft II**  
Continued study of entertainment production techniques, including continued stage and shop safety, scenic carpentry, and theatrical rigging.  
Prerequisite: THTR 125.

**THTR 135-2** (BC=2)  
*(44 hrs)*  
**Sound for the Entertainment Industry**  
Theory and practice in basic sound for the entertainment industry. Examining the function and operation of professional sound equipment and the fundamentals of sound design.

**THTR 136-2** (BC=2)  
*(41 hrs)*  
**Sound for Live Events**  
Continued theory and practice in basic sound for the entertainment industry. Examine the function and operation of professional sound equipment, and the fundamentals of sound design.  
Prerequisite: THTR 135.

**THTR 145-2** (BC=2)  
*(42 hrs)*  
**Lighting for the Entertainment Industry I**  
Theory and practice in basic electricity for the theatre. Function and operation of professional lighting equipment.

**THTR 146-2** (BC=2)  
*(41 hrs)*  
**Lighting for the Entertainment Industry**  
Continued theory and practice in basic electricity for the entertainment and theatre. Function and operation of professional lighting equipment.  
Prerequisite: THTR 145.

**THTR 158-3** (BC=3)  
*(40 hrs)*  
**Drafting for the Entertainment Arts**  
Introduction to technical communication techniques within the entertainment industry. Emphasis on theatrical drafting, drafting conventions and types of working drawings as important elements in the communication of technical and design requirements.

**THTR 168-2** (BC=2)  
*(36 hrs)*  
**Stage and Event Management**  
Introduction to fundamentals of the production process in management and communication skills for the entertainment industry.

**THTR 176-3** (BC=3)  
*(40 hrs)*  
**History and Analysis of Entertainment Production**  
The study of design processes for the entertainment industry. Emphasis will be placed on technical connections to historical theatre and will examine a variety of processes used in project analysis for live performances. Learning and using research skills and problem-solving pathways are the primary course objectives  
Corequisite: THTR 158.

**THTR 205-3** (BC=3)  
*(180 hrs minimum)*  
**Applied Practice and Theory I**  
Theoretical and practical instruction in the production of entertainment events through involvement in theatre and entertainment productions. This will allow students to implement and refine skills previously acquired, in both class and practical work. Students will be assigned a designated area of responsibility within various productions and events.  
Prerequisite: THTR 107 and consent of the Department.

**THTR 206-3** (BC=3)  
*(180 hrs minimum)*  
**Applied Practice and Theory II**  
Theoretical and practical instruction in the production of entertainment events through involvement in theatre and entertainment productions. Students will have the opportunity to redevelop and strengthen previously acquired skills, or they may be assigned to a position meant to introduce new skills. Students will be assigned a designated area of responsibility within various productions and events.  
Prerequisite: THTR 205 and consent of the Department.

**THTR 207-3** (BC=3)  
*(180 hrs minimum)*  
**Applied Practice and Theory III**  
Theoretical and practical instruction in the production of entertainment events. Students will be able to continue refining skills and working on communication and team building skills required in the entertainment industry. Students will be assigned a designated area of responsibility within various productions and events where they will work with first year students in a supervisory role.  
Prerequisite: THTR 206 and consent of the Department.

**THTR 215-2** (BC=2)  
*(36 hrs)*  
**Scenic Painting**  
This course will teach the student a systematic approach to painting theatrical scenery. The class will examine traditional scene painting techniques and the tools and materials that have been developed to support those techniques. Instructed by department staff.  
Prerequisite: THTR 176.

**THTR 258-3** (BC=3)  
*(40 hrs)*  
**Drawing as Communication**  
Introduction to perspective rendering and figure drawing as a communication tool within the production processes of entertainment events.  
Prerequisite: THTR 158.

**THTR 265-2** (BC=2)  
*(30 hrs)*  
**Stage and Event Management II**  
Continued management and communication skills for the entertainment industry.  
Prerequisite: THTR 168.

**THTR 278-5** (BC=5)  
*(80 hrs)*  
**Design and Visual Communication within the Entertainment Industry**  
Examining the creative techniques and visual communication of theatrical design from concept to final presentation. Emphasis will be made on the various forms of communication used by designers. This course will implement skills previously acquired, including those of drawing, drafting, prop building, lighting and stagecraft.  
Prerequisite: THTR 176.

**THTR 285-2** (BC=2)  
*(30 hrs)*  
**Professional Development I**  
Researching and developing life-skills and career paths within the Entertainment industry. Accessing information from contacts with educators, practicing professionals, and employers in the entertainment industry.

**THTR 286-2** (BC=2)  
*(42 hrs)*  
**Professional Development II**  
Researching and developing life-skills and career paths within the Entertainment industry. Accessing information from contacts with educators, practicing professionals, and employers in the entertainment industry.  
Prerequisite: THTR 285.

**THTR 295-2** (BC=2)  
*(24 hrs)*  
**Intensive Series I**  
Students will be able to choose areas of interest in the entertainment industry to study at a more advanced level. Material may be presented in workshop, classroom, or through hands-on work.  
Prerequisite: THTR 126 and consent of the Department.

**THTR 296-3** (BC=3)  
*(56 hrs)*  
**Intensive Series II**  
Theatre and entertainment production advanced study intensives. Students will be able to choose areas of interest in the entertainment industry to study at a more advanced level.  
Prerequisite: THTR 295.

**THTR 297-3** (BC=3)  
*(64 hrs)*  
**Intensive Series III**  
Theatre and entertainment production advanced studies intensives. Students will be able to choose areas of interest at a more advanced level in order to reinforce career choices.  
Prerequisite: THTR 296.

## Theatre Performance & Creation

Note: Courses open to Theatre Performance & Creation students only

**THTR 100-2** (BC=2)  
*(33 hrs)*  
**Theatre Research & Development I**  
An introduction for the theatre artist into the practical and theoretical approaches to play analysis, theatrical forms and styles.

**THTR 101-2** (BC=2)  
*(30 hrs)*  
**Theatre Research & Development II**  
Continued practical and theoretical investigation of plays, theatrical forms and styles.  
Prerequisite: THTR 100.

**THTR 110-1** (BC=1)  
*(11 hrs)*  
**The Business of Theatre I**  
Introduction to the business of theatre as it pertains to the individual theatre artist.

**THTR 111-1** (BC=1)  
*(10 hrs)*  
**The Business of Theatre II**  
Continued investigation of the business of theatre as it pertains to the individual theatre artist and theatre collaborators.  
Prerequisite: THTR 110.

**THTR 120-3** (BC=3)  
*(44 hrs)*  
**The Expressive Body I**  
An introduction to physical techniques and practices as it relates to theatre acting and creation work.

**THTR 121-3** (BC=3)  
*(40 hrs)*  
**The Expressive Body II**  
Continued development of physical techniques and practices as it relates to theatre acting and creation work.  
Prerequisite: THTR 120.

**THTR 130-3** (BC=3)  
*(44 hrs)*  
**The Expressive Voice I**  
Introduction to the techniques and practices of voice training as it relates to theatre acting, singing and creation work.

**THTR 131-3** (BC=3)  
*(40 hrs)*  
**The Expressive Voice II**  
Continued development of voice techniques and practices as it relates to theatre acting, singing and creation work.  
Prerequisite THTR 130.

**THTR 140-3** (BC=3)  
*(30 hrs class/36 hrs lab)*  
**Acting I**  
An introduction to improvisation as it relates to the process of acting and creating for the theatre.

**THTR 141-3** (BC=3)  
*(30 hrs class/30 hrs lab)*  
**Acting II**  
Continued exploration of the acting and creation process as it relates to theatre text.  
Prerequisite: THTR 140.

**THTR 150-2** (BC=2)  
*(90 hrs)*  
**Theatre Artist Studio I**  
An introductory level of competencies for further training practices, rehearsal processes and presentations of published plays, new plays and/or self-created works as it relates to ensemble theatre creation and performance.

**THTR 151-3** (BC=3)  
*(135 hrs)*  
**Theatre Artist Studio II**  
An intermediate level of competencies for rehearsal and performance of published plays, new plays and/or self-created works as it relates to ensemble theatre creation and performance.  
Prerequisite: THTR 150.

**THTR 160-3** (BC=3)  
*(40 hrs)*  
**Introduction to Devising Theatre**  
An introduction to concepts and alternative approaches for devising original theatre pieces.  
Prerequisite: ENGL 219 and THTR 140.

**THTR 200-1** (BC=1)  
*(18 hrs)*  
**Theatre Research and Development III**  
Advanced practical and theoretical investigation of theatre text, form and styles.  
Prerequisite: THTR 101.

**THTR 210-1** (BC=1)  
*(9 hrs)*  
**The Business of Theatre III**  
Further investigation of the business of theatre as it pertains to the individual theatre artist and the global theatre industry.  
Prerequisite: THTR 111.

**THTR 220-3** (BC=3)  
*(36 hrs)*  
**The Expressive Body III**  
Advanced application of physical expression techniques and practices as it relates to theatre acting and creation work.  
Prerequisite: THTR 121.

**THTR 230-3** (BC=3)  
*(36 hrs)*  
**The Expressive Voice III**  
Advanced application of voice techniques and practices as it relates to theatre acting, singing and creation work.

**THTR 240-3** (BC=3)  
*(30 hrs class/24 lab)*  
**Acting III**  
Advanced application of the acting and creation process as it relates to theatre styles.  
Prerequisite: THTR 141.

**THTR 250-3** (BC=3)  
*(135 hrs)*  
**Theatre Artist Studio III**  
An advanced level of rehearsal process and performance as it relates to a piece of theatre (published, new work or self creation) and/or placement in a theatre related field study environment.  
Prerequisite: THTR 151.

**THTR 251-5** (BC=5)  
*(225 hrs)*  
**Theatre Artist Studio IV**  
An advanced level of rehearsal process and performance as it relates to a piece of theatre (published, new work or self creation) and/or placement in a theatre related field study environment. This course will also focus on self created solo performance along with preparation for entering the professional realm of theatre or going on to further advanced levels of training.  
Prerequisite: THTR 250.

**THTR 260-8** (BC=8)  
*(120 hrs class/30 hrs lab)*  
**Creative Fusion**  
An intense advanced level laboratory integrating disciplines of the theatre as they relate to solo and group theatre creation and performance. This course, taught by a team of specialists, will have students applying advanced levels of movement, acting and voice skills for development and presentation of both published works and self created works.  
Prerequisites: THTR 220, THTR 230, THTR 240 & THTR 160.

## Transitional Vocational

**TVOC 010-4** (BC=4)  
*(4-0) 15 weeks*  
**Self-Awareness**  
Developing and increasing your understanding of self and how you present that to others.

**TVOC 011-4** (BC=4)  
*(4-0) 15 weeks*  
**Vocational Preparation**  
Introduction to the world of work. Examining reasons for working, areas that influence success on the job, getting a job, and keeping it.

**TVOC 012-2** (BC=2)  
*(2-0) 15 weeks*  
**Recreation and Community Living**  
Studying basic concepts of fitness, nutrition and lifestyle planning. Identifying services provided by local community agencies and facilities.

**TVOC 013-5** (BC=5)  
*(300 hours) 15 weeks*  
**Jobsite Skills Training I**  
"Hands-on" skill training in the employment area best suited to your interests and abilities. Three days per week.

**TVOC 014-3** (BC=3)  
*(3-0) 16 weeks*  
**Interpersonal Skills**  
Communicating with others in the most effective way. Conflict resolution skills, assertiveness, problem-solving and stress management.

**TVOC 015-3** (BC=3)  
*(3-0) 16 weeks*  
**Skills for Employment**  
Exploring occupational choices and looking at individual abilities and interests. Learning and practicing job search techniques.

**TVOC 016-3** (BC=3)  
*(3-0) 16 weeks*  
**Skills for Independence**  
Combines skills necessary for banking and budgeting with skills needed for wise shopping and having an apartment.

**TVOC 017-5** (BC=5)  
*(320 hours) 16 weeks*  
**Jobsite Skills Training II**  
"Hands-on" skill training in the employment area best suited to your interests and abilities. Three days per week.



**TVOC 018-5** (BC=5)

*(240 hours) 8 weeks*

### **Block Practicum**

Full-time work experience in the field you want to find a job in. Hours of work during this placement will vary depending on the business requirements.

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## **Unit Clerk**

**UNIT 100-3** (BC=3)

*(0-2-0 - 68 lab hours)*

### **Computer Skills**

Develop computer skills critical for success in the Unit Clerk field.

Prerequisites: None.

Prior Learning recognition, based on a skills appraisal, is available for students with computer skills but application for PLAR must be completed by the Add/Drop date.

**UNIT 101-1** (BC=1)

*(42 lab hours)*

### **Keyboarding**

Develop keyboarding speed and accuracy.

**UNIT 102-4** (BC=4)

*(60 hours)*

### **Medical Terminology**

Using and interpreting medical terminology, abbreviations and symbols commonly used in the health care system.

**UNIT 103-7** (BC=7)

*(105 hours)*

### **Processing Medical Orders**

Develop processing, critical thinking and problem solving skills by completing thorough and accurate medical orders.

Prerequisite or Corequisite: UNIT 102.

**UNIT 105-2** (BC=2)

*(145 hours)*

### **Preceptored Practice**

Demonstrate integration and consolidation of knowledge, skills, attitudes, behaviours and judgment within the context of a comprehensive Unit Clerk practice setting. Prerequisites: Unit Clerk 100, 101, 102, 103, 106, 107.

**UNIT 106-2** (BC=2)

*(2-0-0 - 32 hours)*

### **Exploring the Role of the Unit Clerk**

Develop the skills, attitudes and behavior necessary to perform the role of the Unit Clerk.

**UNIT 107-3** (BC=3)

*(45 hours)*

### **Essential Communication Skills for Unit Clerks**

Develop interpersonal communication skills, practice oral presentation skills, apply professional skills, and create an effective resume.

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## **Zoology**

Note: Not all courses listed may be offered.

Check Course Timetable for availability.

**ZOOL 325-3** (BC=4)

*(3-3) 15 weeks*

### **Comparative Anatomy of the Vertebrates**

Vertebrate structure and functional significance. Chordates, origin of vertebrates, survey of vertebrate classes, early development and major systems.

Emphasis is on the mammals.

Prerequisite: BIOL 218.

**ZOOL 342-3** (BC=3)

*(3-0) 15 weeks*

### **Animal Physiology: Intercellular Communication**

Communication between cells. Functioning of the nervous and muscular system. Sensing of the environment. Hormones, regulation and action. Immunity. Examples from invertebrate and vertebrates. Prerequisite: BIOL 217.

**ZOOL 350-3** (BC=4)

*(3-3) 15 weeks*

### **Survey of the Invertebrates**

A scientific overview of the major invertebrate animal phyla with emphasis on their systematics, functional anatomy, life cycles, and evolution. Selected topics in invertebrate biology using primary literature will also be explored.

Prerequisite: BIOL 218.

# ADULT BASIC EDUCATION COURSES

Note: Not all courses listed may be offered.  
Check Course Timetable for availability.

## Mathematics

**MATH 038-5** (BC=5)

*(5-0) 15 weeks*

### Basic Math

Basic skills in adding, subtracting, multiplying and dividing whole numbers, plus an introduction to fractions.

Note: May not be offered every year.

**MATH 039-5** (BC=5)

*(5-0) 15 weeks*

### Basic Math

Understanding fractions, decimals, geometry, measurement.

**MATH 040-5** (BC=5)

*(5-0) 15 weeks*

### Basic Math

A review of fractions and whole numbers, plus concentration on decimals, percent, ratio and proportion, measurement, and graphing.

## Reading

**READ 038-5** (BC=5)

*(5-0) 15 weeks*

### Basic Reading

A structured reading course which provides basic reading skills and improves vocabulary. Students entering this level may have limited reading skills.

Note: May not be offered every year.

**READ 039-5** (BC=5)

*(5-0) 15 weeks*

### Basic Reading

Students will read a variety of materials more fluently. Vocabulary development and reading comprehension are stressed.

Note: May not be offered every year.

**READ 040-5** (BC=5)

*(5-0) 15 weeks*

### Basic Reading

Increased focus on improving reading skills, enriching vocabulary and developing critical thinking skills. Students entering this level are reasonably fluent readers.

## Writing

**WRIT 038-5** (BC=5)

*(5-0) 15 weeks*

### Basic Writing

Sentences, simple paragraphs, spelling, and phonics. Students entering this level may have limited writing skills.

Note: May not be offered every year.

**WRIT 039-5** (BC=5)

*(5-0) 15 weeks*

### Basic Writing

Sentence construction and paragraphs, spelling rules and strategies, journal writing. Introduction to grammar.

Note: May not be offered every year.

**WRIT 040-5** (BC=5)

*(5-0) 15 weeks*

### Basic Writing

Concentration is now focused on writing clearly and confidently to prepare for further studies or employment. Includes a study of grammar.

# ACADEMIC UPGRADING COURSES

Note: You must have strong prerequisite skills to be successful in higher course levels.

Note: Some courses in our program may be taken through independent study subject to Associate Dean approval.

## Adult Development

**ADEV 068-1** (BC=1)  
**(0-1-0) 15 weeks**  
**Supported Study**

A systematic approach to study activities to take advantage of various activities and resources such as student study groups, instructor consultation, Learning Resource Center, Computer Lab, Counselling and Learning Support. Learners will be responsible for planning and recording their plans and activities.

**ADEV 069-2** (BC=2)  
**(0-2-0) 15 weeks**  
**Supported Study**

Learners will participate in a systematic approach to study activities, taking advantage of various resources. Study and learning strategies will include formal and informal activities and resources such as student study groups, instructor consultation, Learning Resource Center, Computer Lab, Counselling & Learning Support. Learners will be responsible for planning and recording their plans and activities.

## Biology

**BIOL 075-4** (BC=4)  
**(4-1) 15 weeks**  
**Introductory Biology**

For students with no biology background. Includes basic cell chemistry and cell function; genetics and evolution; classification of living things. Lab work is related to class discussion and gives you practical experience in a lab setting. BIOL 075 is equivalent to Biology 20 for admission to RDC programs. Prerequisite/Corequisite: ENGL 075 or equivalent.

**BIOL 095-6** (BC=6)  
**(5-2) 15 weeks**  
**Preparatory Biology**

Principles of human anatomy and physiology. Basic environmental biology. This course will prepare you for more advanced studies in biology. Lab work is related to class discussions, and allows you to improve certain biology lab skills. A strong background in basic chemistry recommended. BIOL 095 is equivalent to Biology 30 for admission to RDC programs. Prerequisite: BIOL 075 or equivalent.

## Chemistry

Note: You need a lab coat and safety glasses to take part in chemistry labs. You can buy these items at the Bookstore. Please note that contact lenses are not allowed in the laboratory.

**CHEM 075-4** (BC=4)  
**(4-1) 15 Weeks**  
**Introductory Chemistry**

For students with no chemistry background. Topics include elements and the periodic table, chemical bonding, nomenclature, chemical reactions, stoichiometry. Lab work is related to class discussions. CHEM 075 is equivalent to Chemistry 20 for admission to RDC programs. Prerequisite / Corequisite: MATH 075 or equivalent

**CHEM 095-6** (BC=6)  
**(5-0-2) 15 weeks**  
**Preparatory Chemistry**

For student with previous study in bonding, nomenclature, and stoichiometry. Topics include gases, solutions, energy, electrochemistry, equilibrium, acids and bases. Lab work is related to class discussions. CHEM 095 is equivalent to Chem 30 for admission to RDC programs. Prerequisite: CHEM 075 or equivalent and MATH 075 or equivalent.

## English

**ENGL 045-5** (BC=5)  
**(5-0-0) 15 weeks**  
**Fundamental English Skills**

Basic reading and writing skills including spelling, reading comprehension, vocabulary skills, and writing at the sentence and paragraph level.

Note: This is a credit/ no credit course.

Note: This course cannot be repeated for credit.

**ENGL 050-5** (BC=5)  
**(5-0) 15 weeks**  
**Basic English**

This course is designed to develop reading, comprehension and vocabulary skills and to develop writing skills. It provides a basic introduction to literature.

**ENGL 075-5** (BC=5)  
**(5-0) 15 weeks**  
**Reading and Composition**

Introduction of major literary genres. Development of critical and analytical reading and viewing skills. Presentation of responses to text in written and oral form. Development and improvement of writing skills, including grammar study. Introduction to research and documentation. This course is accepted for admission in lieu of ELA 10-1 and ELA 20-2. Prerequisite: ENGL 050 or consent of the department.

**ENGL 090-5** (BC=5)  
**(5-0) 15 weeks**  
**Critical and Analytical Study of Texts**

Read and respond to non-fiction, and short and long fiction. Employ grammatical structures to demonstrate increasingly sophisticated writing style. Expand and polish research skills. Enl 090 is equivalent to ELA 30-2 for admission to RDC programs. Prerequisite: ENGL 075 or equivalent or consent of the department.

**ENGL 095-5** (BC=5)  
*(5-0) 15 weeks*

### Literature and Composition

The major literary forms of prose, drama, and poetry. Critical and analytical reading. Essay writing to develop clear, concise effective arguments.

ENGL 095 is equivalent to ELA 30-1 for admission to RDC programs. Prerequisite: ENGL 090 or equivalent or consent of the Department.

## Mathematics

Note: Students who have been out of high school for one year or more will be required to be tested prior to placement in a mathematics course in the Academic Upgrading Program. Please book for your test by calling 342.3400 or 343.4026.

**MATH 050-5** (BC=5)  
*(5-0) 15 weeks*

### Preparatory Mathematics

A basic mathematics course for students requiring algebra or applied mathematics. Operations on rational numbers; introduction to statistics; Metric and English measurement; geometry in 1, 2 & 3 dimensions; introduction to algebra; and solving equations.

**MATH 075-5** (BC=5)  
*(5-0) 15 weeks*

### Introductory Algebra

An introductory course for students requiring algebra. Topics include polynomials and factoring; linear equations and their graphs; solving equations and inequalities; problem solving; geometry; and trigonometry. MATH 075 is equivalent to Math 10C for admission to RDC programs. Prerequisite: MATH 050 or equivalent.

**MATH 085-5** (BC=5)  
*(5-0) 15 weeks*

### Intermediate Algebra

An intermediate course for students requiring algebra. Topics include functions, relations and graphing; systems of equations; radicals and their properties; rational expressions; quadratic equations and functions; and selected topics from trigonometry. MATH 085 is equivalent to Math 20-1 for admission to RDC programs. Prerequisite: MATH 075 or equivalent.

**Math 092-5** (BC=5)  
*(5-0) 15 weeks*

### Senior Algebra and Trigonometry

A senior math course with topics including probability, trigonometry, and relations and functions. Students will develop reasoning skills related to probability and trigonometry, and critical thinking skills related to uncertainty.

High School Equivalent: Math 30-2.

Prerequisite: Math 20 or Math 20P or Math 20-1 or Math 20-2 or Math 085.

**MATH 096-6** (BC=6)

*(6-0) 15 weeks*

### Precalculus: Algebra & Trigonometry

A senior math course. Topics include quadratic functions; polynomial and rational functions; logarithmic and exponential functions; trigonometric functions; sequences and series; permutations and combinations. Problem solving methods will be emphasized. MATH 096 is equivalent to Math 30-1 for admission to RDC programs. Prerequisite: MATH 085 or equivalent.

**MATH 097-5** (BC=5)

*(5-0) 15 weeks*

### Elementary Calculus and Modern

A senior course recommended for students who will be taking university calculus courses. Topics include limits and continuity; derivatives; graphing; applications of derivatives; integration; applications of integration. Topics in modern mathematics will be chosen from the mathematics of social choice, management science, growth and symmetry. MATH 097 is equivalent to Math 31 for admission to RDC programs. Prerequisite/co-requisite: MATH 096 or equivalent.

Note: Students with an applied mathematics background from high school will be required to upgrade according to the results of their math placement test.

## Physics

**PHYS 075-4** (BC=4)  
*(4-1) 15 weeks*

### Introductory Physics

Course topics include kinematics, dynamics, circular motion, work and energy, oscillatory motion and mechanical waves. Labs and project work will investigate these topics. High School Equivalent: Physics 20. Prerequisite: MATH 075, Math 10 or 23 or consent of the Department.

**PHYS 095-6** (BC=6)

*(5-0-2) 15 weeks*

### Preparatory Physics

Course topics include momentum and impulse, forces and fields, electromagnetic radiation, and atomic physics. Labs and project work will investigate these topics. High School Equivalent: Physics 30. Prerequisite: Physics 20 or PHYS 075, and MATH 085 or Math 20-1 or Math 30-2 or consent of the Department.

## Social Studies

**SOST 095-5** (BC=5)  
*(5-0) 15 weeks*

### Twentieth Century World

Learners will acquire a conceptual framework with which to respond to developing global issues by studying how ideologies originate and their effect on identity and citizenship. The course will focus on classical and modern liberalism, the viability of liberalism, and challenges of communism, totalitarianism, fascism and Nazism including economic systems. High School Equivalent: Social Studies 30-1 Prerequisite: Social Studies 20-1 or consent of Department.

Prerequisite or Co-requisite: ENGL 090 or ELA 30-1, or consent of the Department.

# INTERNATIONAL LEARNING OPPORTUNITIES

Part of RDC's Internationalization Strategy is to foster international awareness and understanding. Courses appearing contain a significant international component or are offered in an international setting.

**ART 201-3 Art History I**

See page 130 for course description.

**ART 203-3 Art History II**

See page 130 for course description.

**ART 301-3 Art History**

See page 131 for course description.

**ART 303-3 Art History**

See page 131 for course description.

**ART 305-3 Art History**

See page 131 for course description.

**ART 306-3 Art History**

See page 131 for course description.

**ECON 201-3 Introduction to Microeconomics**

See page 143 for course description.

**ECON 202-3 Introduction to Macroeconomics**

See page 144 for course description.

**ECON 323-3 International Economics**

See page 144 for course description.

**ECON 337-3 Development Economics**

See page 144 for course description.

**ECON 382-3 Intermediate Macroeconomic Theory**

See page 144 for course description.

**ENGL 391-3 Topic In International Literature**

See page 152 for course description.

**HIST 314-3 Europe in the Era of the World Wars, 1900-1945**

See page 157 for course description.

**HIST 315-3 Europe in the Era of the Cold War, 1942-1991**

See page 157 for course description.

**INTD 370-3 Intersections of Global Health**

See page 162 for course description.

The following courses offer the opportunity for study in an international setting:

**KENYA**

**BIOL 318-3 Principles of Ecology**

See page 133 for course description.

**KENYA**

**ANTH 323-3 Ethnographic Survey of Africa**

See page 129 for course description.

**BELIZE**

**ZOOL 350-3 Survey of the Invertebrates**

See page 197 for course description.

In addition, the following courses have a significant international perspective: ANTH 200, 201, 307; GEOG 251, 381; HIST 207, 208, 209, 301, 314, 315, 333, 334, 349; POLI 388, 389.

For further information please contact the respective department Chairs.

**International Partners**

Ecole Supérieure de Commerce International Du Pas-De Calais (ESCI) Saint Omer, France  
- Exchange Agreement

Hokkaido Asai Gakuen University Hokkaido, Japan  
- Exchange Agreement

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# CONTACT US

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Toll-free Number  
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Millennium Centre  
4909 - 49 Street  
Red Deer, Alberta  
Canada  
T4N 1V1

8:30 a.m. – 4:30 p.m.  
403.342.3400  
403.357.3660  
1.888.732.4630  
[inquire@rdc.ab.ca](mailto:inquire@rdc.ab.ca)

## DEPARTMENTS

Academic Advising	403.342.3585
Apprenticeship Registration	403.342.3100
	1.888.475.1101
Athletics	403.342.3201
Bookstore	403.342.3245
Cashiers/Parking	403.342.3132
Child Care Centre	403.357.3600
Continuing Education	403.356.4900
	1.888.886.2787
Counselling & Career Centre	403.343.4064
Disability Services	403.357.3629
Flexible Learning Services	403.357.3664
Funding & Awards	403.342.3254
International Student Services	403.342.3400
Learning Support Services	403.357.3629
Office of the Registrar	403.342.3400
Prior Learning Assessment	403.342.3219
Residence	403.342.3257
Students' Association	403.342.3200

The web version is the official academic calendar. Go to: [rdc.ab.ca/academic\\_calendar](http://rdc.ab.ca/academic_calendar)









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